

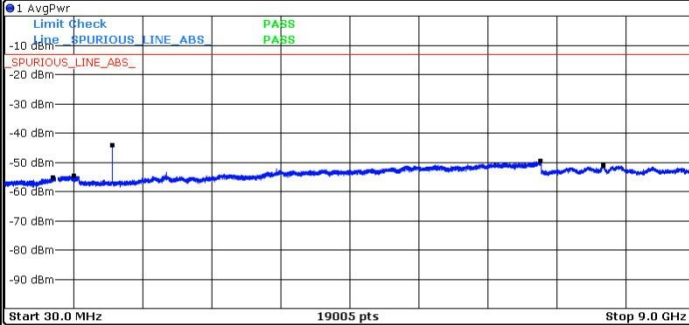


LTE Band 12 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM

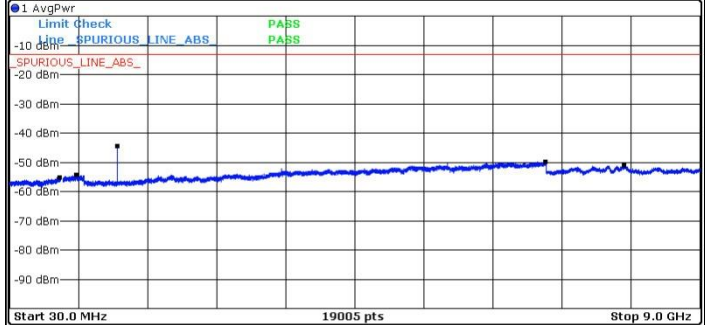
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 690.000 MHz | 1.000 MHz | 659.49025 MHz | -55.27 dBm | -42.27 dB |
| 725.000 MHz | 1.000 GHz | 1.000 MHz | 926.78571 MHz | -54.64 dBm | -41.64 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.42314 GHz | -44.29 dBm | -31.29 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99425 GHz | -49.64 dBm | -36.64 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.80605 GHz | -51.12 dBm | -38.12 dB |

Date: 18.MAR.2015 19:02:36

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 690.000 MHz | 1.000 MHz | 678.62069 MHz | -55.28 dBm | -42.28 dB |
| 725.000 MHz | 1.000 GHz | 1.000 MHz | 891.89560 MHz | -54.47 dBm | -41.47 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.42314 GHz | -44.62 dBm | -31.62 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98575 GHz | -49.88 dBm | -36.88 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.00750 GHz | -51.00 dBm | -38.00 dB |

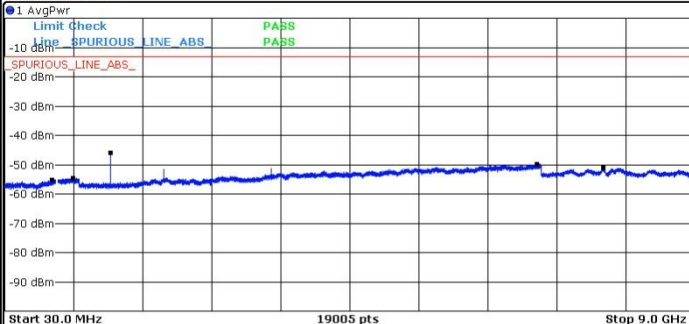
Date: 18.MAR.2015 19:03:01

LTE Band 12 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

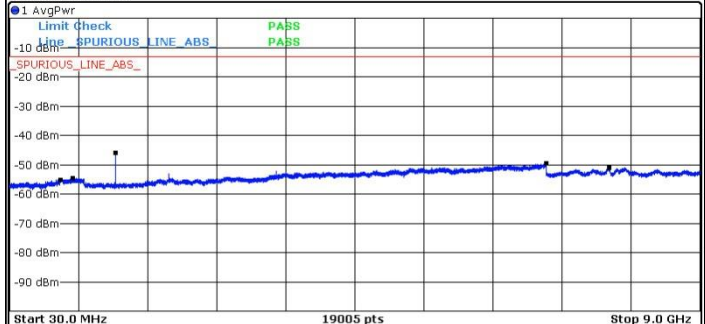
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 690.000 MHz | 1.000 MHz | 647.94603 MHz | -55.14 dBm | -42.14 dB |
| 725.000 MHz | 1.000 GHz | 1.000 MHz | 917.44505 MHz | -54.61 dBm | -41.61 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39965 GHz | -45.87 dBm | -32.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94826 GHz | -49.81 dBm | -36.81 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.80505 GHz | -51.17 dBm | -38.17 dB |

Date: 18.MAR.2015 19:13:14

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 690.000 MHz | 1.000 MHz | 683.56822 MHz | -55.12 dBm | -42.12 dB |
| 725.000 MHz | 1.000 GHz | 1.000 MHz | 847.39011 MHz | -54.66 dBm | -41.66 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39965 GHz | -46.06 dBm | -33.06 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99725 GHz | -49.66 dBm | -36.66 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.81405 GHz | -50.96 dBm | -37.96 dB |

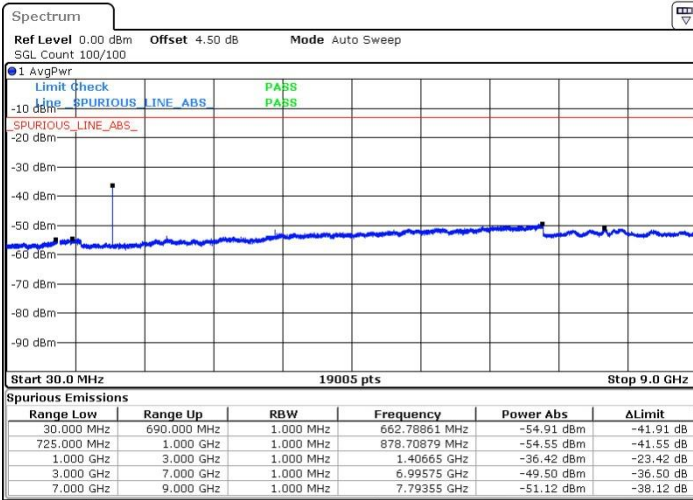
Date: 18.MAR.2015 19:13:42



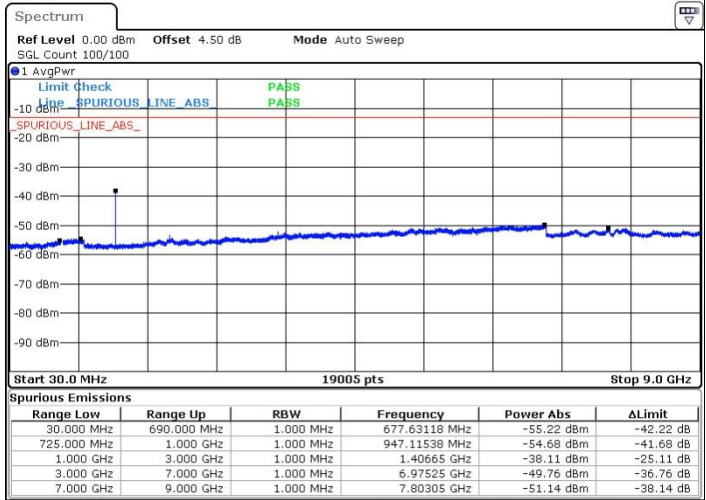
LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



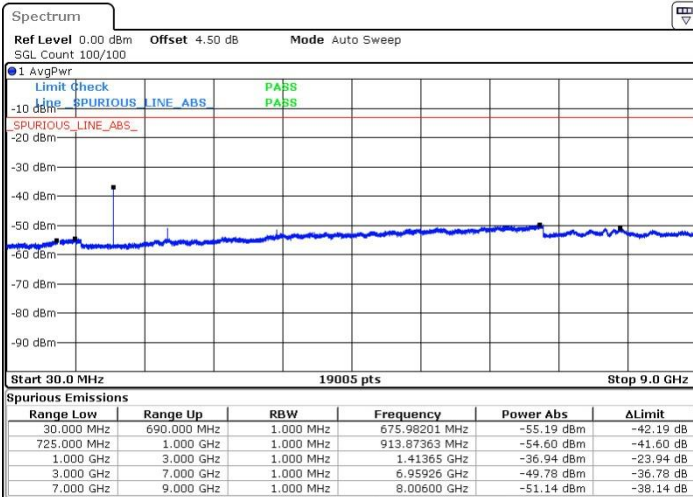
Date: 18.MAR.2015 19:23:25



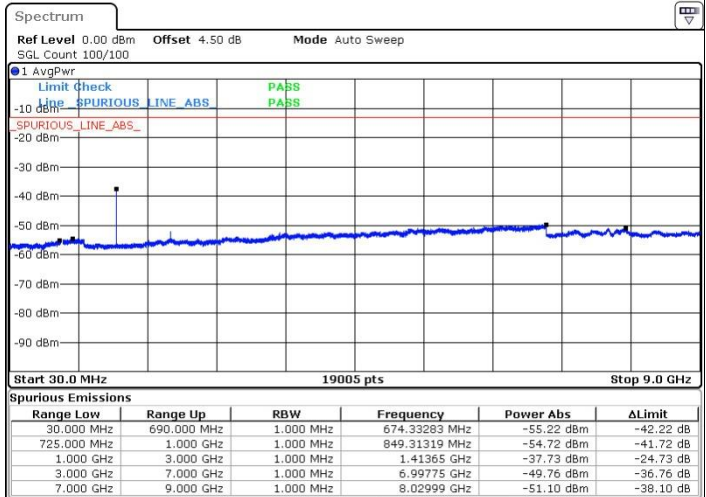
Date: 18.MAR.2015 19:14:38

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 18.MAR.2015 19:15:04



Date: 18.MAR.2015 19:15:32

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 | 0.0012 | PASS |
| 40 | Normal Voltage | 0.0010 | |
| 30 | Normal Voltage | 0.0002 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0008 | |
| 0 | Normal Voltage | 0.0005 | |
| -10 | Normal Voltage | 0.0007 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0006 | |
| 20 | Maximum Voltage | 0.0011 | |
| 20 | Normal Voltage | 0.0008 | |
| 20 | Battery End Point | 0.0004 | |

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.50 V. ; Maximum Voltage = 4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions | | LTE Band 4 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0010 | PASS |
| 40 | Normal Voltage | 0.0001 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0014 | |
| 0 | Normal Voltage | 0.0035 | |
| -10 | Normal Voltage | 0.0002 | |
| -20 | Normal Voltage | 0.0058 | |
| -30 | Normal Voltage | 0.0005 | |
| 20 | Maximum Voltage | 0.0000 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0048 | |

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.50 V. ; Maximum Voltage = 4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions | | LTE Band 5 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0185 | PASS |
| 40 | Normal Voltage | 0.0175 | |
| 30 | Normal Voltage | 0.0024 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0161 | |
| 0 | Normal Voltage | 0.0167 | |
| -10 | Normal Voltage | 0.0048 | |
| -20 | Normal Voltage | 0.0030 | |
| -30 | Normal Voltage | 0.0176 | |
| 20 | Maximum Voltage | 0.0012 | |
| 20 | Normal Voltage | 0.0126 | |
| 20 | Battery End Point | 0.0054 | |

Note: Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.50 V. ; Maximum Voltage =4.35 V



| Test Conditions | | LTE Band 12 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0069 | PASS |
| 40 | Normal Voltage | 0.0045 | |
| 30 | Normal Voltage | 0.0035 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0013 | |
| 0 | Normal Voltage | 0.0040 | |
| -10 | Normal Voltage | 0.0102 | |
| -20 | Normal Voltage | 0.0122 | |
| -30 | Normal Voltage | 0.0151 | |
| 20 | Maximum Voltage | 0.0170 | |
| 20 | Normal Voltage | 0.0189 | |
| 20 | Battery End Point | 0.0209 | |

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.50 V. ; Maximum Voltage = 4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Appendix B. Test Results of Radiated Test

ERP/EIRP

| LTE Band 2 / 1.4MHz | | | | | | | |
|---------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 1 | 22.91 | 0.1954 | 23.06 | 0.2023 |
| Middle | | 3 | 1 | 22.92 | 0.1959 | 22.70 | 0.1862 |
| Highest | | 3 | 1 | 22.72 | 0.1871 | 22.28 | 0.1690 |
| Lowest | 16QAM | 1 | 0 | 23.28 | 0.2128 | 23.01 | 0.2000 |
| Middle | | 1 | 2 | 23.45 | 0.2213 | 23.14 | 0.2061 |
| Highest | | 1 | 0 | 23.02 | 0.2004 | 22.50 | 0.1778 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 3MHz | | | | | | | |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 7 | 23.87 | 0.2438 | 23.93 | 0.2472 |
| Middle | | 1 | 7 | 24.13 | 0.2588 | 23.89 | 0.2449 |
| Highest | | 1 | 14 | 23.78 | 0.2388 | 23.40 | 0.2188 |
| Lowest | 16QAM | 1 | 7 | 23.44 | 0.2208 | 23.19 | 0.2084 |
| Middle | | 1 | 7 | 23.54 | 0.2259 | 22.88 | 0.1941 |
| Highest | | 1 | 0 | 23.10 | 0.2042 | 22.89 | 0.1945 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 5MHz | | | | | | | |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 23.82 | 0.2410 | 23.83 | 0.2415 |
| Middle | | 1 | 24 | 23.51 | 0.2244 | 23.18 | 0.2080 |
| Highest | | 1 | 12 | 23.64 | 0.2312 | 22.82 | 0.1914 |
| Lowest | 16QAM | 1 | 0 | 22.64 | 0.1837 | 22.42 | 0.1746 |
| Middle | | 1 | 12 | 22.97 | 0.1982 | 22.89 | 0.1945 |
| Highest | | 1 | 24 | 23.03 | 0.2009 | 22.79 | 0.1901 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 10MHz | | | | | | | |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.66 | 0.2323 | 23.81 | 0.2404 |
| Middle | | 1 | 24 | 23.71 | 0.2350 | 23.60 | 0.2291 |
| Highest | | 1 | 0 | 23.72 | 0.2355 | 23.35 | 0.2163 |
| Lowest | 16QAM | 1 | 24 | 22.90 | 0.1950 | 22.93 | 0.1963 |
| Middle | | 1 | 49 | 23.03 | 0.2009 | 23.19 | 0.2084 |
| Highest | | 1 | 0 | 23.30 | 0.2138 | 22.76 | 0.1888 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 15MHz | | | | | | | |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 23.98 | 0.2500 | 24.23 | 0.2649 |
| Middle | | 1 | 0 | 23.93 | 0.2472 | 23.87 | 0.2438 |
| Highest | | 1 | 0 | 23.81 | 0.2404 | 23.59 | 0.2286 |
| Lowest | 16QAM | 1 | 0 | 22.73 | 0.1875 | 23.27 | 0.2123 |
| Middle | | 1 | 74 | 23.24 | 0.2109 | 22.87 | 0.1936 |
| Highest | | 1 | 0 | 23.44 | 0.2208 | 22.09 | 0.1618 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 20MHz | | | | | | | |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 24.02 | 0.2523 | 24.03 | 0.2529 |
| Middle | | 1 | 0 | 23.66 | 0.2323 | 23.79 | 0.2393 |
| Highest | | 1 | 0 | 23.58 | 0.2280 | 23.54 | 0.2259 |
| Lowest | 16QAM | 1 | 0 | 23.37 | 0.2173 | 23.02 | 0.2004 |
| Middle | | 1 | 0 | 23.11 | 0.2046 | 23.33 | 0.2153 |
| Highest | | 1 | 0 | 22.96 | 0.1977 | 22.75 | 0.1884 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 4 / 1.4MHz | | | | | | | |
|---------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 2 | 25.69 | 0.3707 | 25.97 | 0.3954 |
| Middle | | 1 | 2 | 25.94 | 0.3926 | 25.88 | 0.3873 |
| Highest | | 3 | 1 | 23.42 | 0.2198 | 24.54 | 0.2844 |
| Lowest | 16QAM | 3 | 1 | 24.07 | 0.2553 | 24.60 | 0.2884 |
| Middle | | 1 | 0 | 24.06 | 0.2547 | 24.22 | 0.2642 |
| Highest | | 1 | 0 | 23.45 | 0.2213 | 24.54 | 0.2844 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 3MHz | | | | | | | |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 7 | 26.33 | 0.4295 | 25.87 | 0.3864 |
| Middle | | 1 | 7 | 25.43 | 0.3491 | 25.99 | 0.3972 |
| Highest | | 1 | 7 | 24.68 | 0.2938 | 25.76 | 0.3767 |
| Lowest | 16QAM | 1 | 14 | 24.77 | 0.2999 | 25.28 | 0.3373 |
| Middle | | 1 | 0 | 24.86 | 0.3062 | 25.20 | 0.3311 |
| Highest | | 1 | 7 | 23.87 | 0.2438 | 24.86 | 0.3062 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 5MHz | | | | | | | |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 26.08 | 0.4055 | 26.47 | 0.4436 |
| Middle | | 1 | 0 | 25.56 | 0.3597 | 25.63 | 0.3656 |
| Highest | | 1 | 12 | 25.22 | 0.3327 | 26.44 | 0.4406 |
| Lowest | 16QAM | 1 | 0 | 24.83 | 0.3041 | 24.31 | 0.2698 |
| Middle | | 1 | 0 | 24.42 | 0.2767 | 24.98 | 0.3148 |
| Highest | | 1 | 12 | 23.71 | 0.2350 | 24.25 | 0.2661 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4/ 10MHz | | | | | | | |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 26.19 | 0.4159 | 25.68 | 0.3698 |
| Middle | | 1 | 24 | 25.74 | 0.3750 | 25.86 | 0.3855 |
| Highest | | 1 | 0 | 24.91 | 0.3097 | 26.05 | 0.4027 |
| Lowest | 16QAM | 1 | 0 | 24.67 | 0.2931 | 25.03 | 0.3184 |
| Middle | | 1 | 0 | 24.34 | 0.2716 | 25.76 | 0.3767 |
| Highest | | 1 | 0 | 24.03 | 0.2529 | 24.58 | 0.2871 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 15MHz | | | | | | | |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 25.93 | 0.3917 | 25.63 | 0.3656 |
| Middle | | 1 | 0 | 25.44 | 0.3499 | 25.73 | 0.3741 |
| Highest | | 1 | 0 | 25.11 | 0.3243 | 26.05 | 0.4027 |
| Lowest | 16QAM | 1 | 37 | 25.03 | 0.3184 | 24.75 | 0.2985 |
| Middle | | 1 | 0 | 24.46 | 0.2793 | 24.86 | 0.3062 |
| Highest | | 1 | 0 | 23.84 | 0.2421 | 24.89 | 0.3083 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 20MHz | | | | | | | |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 25.56 | 0.3597 | 25.66 | 0.3681 |
| Middle | | 1 | 0 | 25.12 | 0.3251 | 25.44 | 0.3499 |
| Highest | | 1 | 0 | 25.58 | 0.3614 | 25.92 | 0.3908 |
| Lowest | 16QAM | 1 | 0 | 25.09 | 0.3228 | 25.25 | 0.3350 |
| Middle | | 1 | 0 | 24.21 | 0.2636 | 24.58 | 0.2871 |
| Highest | | 1 | 0 | 25.23 | 0.3334 | 25.15 | 0.3273 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 5 / 1.4MHz | | | | | | | |
|---------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 3 | 1 | 18.02 | 0.0634 | 7.63 | 0.0058 |
| Middle | | 3 | 0 | 18.27 | 0.0671 | 7.43 | 0.0055 |
| Highest | | 3 | 0 | 18.34 | 0.0682 | 7.73 | 0.0059 |
| Lowest | 16QAM | 3 | 1 | 17.29 | 0.0536 | 6.41 | 0.0044 |
| Middle | | 3 | 2 | 17.75 | 0.0596 | 6.33 | 0.0043 |
| Highest | | 3 | 2 | 17.96 | 0.0625 | 7.18 | 0.0052 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 3MHz | | | | | | | |
|-------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 7 | 19.13 | 0.0818 | 9.21 | 0.0083 |
| Middle | | 1 | 7 | 19.50 | 0.0891 | 8.45 | 0.0070 |
| Highest | | 1 | 7 | 19.68 | 0.0929 | 8.31 | 0.0068 |
| Lowest | 16QAM | 1 | 7 | 18.24 | 0.0667 | 7.73 | 0.0059 |
| Middle | | 1 | 0 | 18.90 | 0.0776 | 7.67 | 0.0058 |
| Highest | | 1 | 14 | 18.59 | 0.0723 | 8.03 | 0.0064 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 5MHz | | | | | | | |
|-------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 19.74 | 0.0942 | 8.53 | 0.0071 |
| Middle | | 1 | 12 | 19.42 | 0.0875 | 8.25 | 0.0067 |
| Highest | | 1 | 12 | 19.69 | 0.0931 | 8.77 | 0.0075 |
| Lowest | 16QAM | 1 | 12 | 19.04 | 0.0802 | 8.00 | 0.0063 |
| Middle | | 1 | 12 | 19.01 | 0.0796 | 8.24 | 0.0067 |
| Highest | | 1 | 12 | 18.93 | 0.0782 | 8.17 | 0.0066 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 10MHz | | | | | | | |
|--------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 24 | 19.39 | 0.0869 | 8.42 | 0.0070 |
| Middle | | 1 | 24 | 19.61 | 0.0914 | 8.61 | 0.0073 |
| Highest | | 1 | 24 | 19.64 | 0.0920 | 8.89 | 0.0077 |
| Lowest | 16QAM | 1 | 0 | 18.45 | 0.0700 | 8.21 | 0.0066 |
| Middle | | 1 | 0 | 18.65 | 0.0733 | 7.98 | 0.0063 |
| Highest | | 1 | 0 | 18.52 | 0.0711 | 7.48 | 0.0056 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 12 / 1.4MHz | | | | | | | |
|----------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 2 | 17.25 | 0.0531 | 6.94 | 0.0049 |
| Middle | | 3 | 1 | 15.78 | 0.0378 | 5.43 | 0.0035 |
| Highest | | 3 | 1 | 15.72 | 0.0373 | 4.91 | 0.0031 |
| Lowest | 16QAM | 1 | 0 | 16.21 | 0.0418 | 5.55 | 0.0036 |
| Middle | | 1 | 2 | 16.21 | 0.0418 | 5.83 | 0.0038 |
| Highest | | 1 | 2 | 16.30 | 0.0427 | 4.45 | 0.0028 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 3MHz | | | | | | | |
|--------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 7 | 17.20 | 0.0525 | 6.77 | 0.0048 |
| Middle | | 1 | 7 | 17.16 | 0.0520 | 6.90 | 0.0049 |
| Highest | | 1 | 7 | 17.60 | 0.0575 | 6.23 | 0.0042 |
| Lowest | 16QAM | 1 | 0 | 16.39 | 0.0436 | 5.90 | 0.0039 |
| Middle | | 1 | 0 | 16.28 | 0.0425 | 5.73 | 0.0037 |
| Highest | | 1 | 7 | 15.88 | 0.0387 | 4.91 | 0.0031 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 5MHz | | | | | | | |
|--------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 17.51 | 0.0564 | 6.53 | 0.0045 |
| Middle | | 1 | 12 | 16.90 | 0.0490 | 6.81 | 0.0048 |
| Highest | | 1 | 24 | 16.57 | 0.0454 | 5.88 | 0.0039 |
| Lowest | 16QAM | 1 | 12 | 16.83 | 0.0482 | 5.73 | 0.0037 |
| Middle | | 1 | 24 | 16.62 | 0.0459 | 5.84 | 0.0038 |
| Highest | | 1 | 24 | 16.03 | 0.0401 | 5.13 | 0.0033 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 10MHz | | | | | | | |
|---------------------|------------|------|--------|------------|--------|----------|--------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 16.99 | 0.0500 | 6.11 | 0.0041 |
| Middle | | 1 | 0 | 17.18 | 0.0522 | 5.71 | 0.0037 |
| Highest | | 1 | 0 | 16.81 | 0.0480 | 6.52 | 0.0045 |
| Lowest | 16QAM | 1 | 49 | 16.20 | 0.0417 | 5.25 | 0.0033 |
| Middle | | 1 | 0 | 16.60 | 0.0457 | 5.36 | 0.0034 |
| Highest | | 1 | 0 | 16.25 | 0.0422 | 5.62 | 0.0036 |
| Limit | ERP < 3W | | | Result | | PASS | |

Spot Check for EIRP

| LTE Band 4 / 5MHz | | | | | | | |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 25.51 | 0.3553 | 24.60 | 0.2883 |
| Middle | | 1 | 0 | 24.21 | 0.2635 | 24.02 | 0.2524 |
| Highest | | 1 | 12 | 24.93 | 0.3114 | 24.80 | 0.3019 |
| Lowest | 16QAM | 1 | 0 | 23.64 | 0.2314 | 23.70 | 0.2343 |
| Middle | | 1 | 0 | 23.30 | 0.2138 | 23.47 | 0.2225 |
| Highest | | 1 | 12 | 24.00 | 0.2512 | 23.52 | 0.2252 |
| Limit | EIRP < 1W | | | Result | | PASS | |

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 | -53.25 | -13 | -40.25 | -67.45 | -57.85 | 3 | 7.60 | H |
| | 5638 | -50.20 | -13 | -37.20 | -63.99 | -56.46 | 3.84 | 10.10 | H |
| | 7518 | -42.57 | -13 | -29.57 | -62.35 | -50.07 | 4.43 | 11.93 | H |
| | 3759 | -53.74 | -13 | -40.74 | -66.23 | -58.34 | 3 | 7.60 | V |
| | 5639 | -51.13 | -13 | -38.13 | -63.54 | -57.39 | 3.84 | 10.10 | V |
| | 7518 | -46.11 | -13 | -33.11 | -63.9 | -53.61 | 4.43 | 11.93 | 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 | -52.40 | -13 | -39.40 | -66.60 | -57.00 | 3 | 7.60 | H |
| | 5636 | -49.94 | -13 | -36.94 | -63.73 | -56.20 | 3.84 | 10.10 | H |
| | 7515 | -41.93 | -13 | -28.93 | -61.71 | -49.43 | 4.43 | 11.93 | H |
| | 3756 | -53.70 | -13 | -40.70 | -66.19 | -58.30 | 3 | 7.60 | V |
| | 5636 | -50.70 | -13 | -37.70 | -63.11 | -56.96 | 3.84 | 10.10 | V |
| | 7515 | -44.66 | -13 | -31.66 | -62.45 | -52.16 | 4.43 | 11.93 | 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 | -52.26 | -13 | -39.26 | -66.46 | -56.86 | 3 | 7.60 | H |
| | 5634 | -48.33 | -13 | -35.33 | -62.12 | -54.59 | 3.84 | 10.10 | H |
| | 7512 | -42.67 | -13 | -29.67 | -62.45 | -50.17 | 4.43 | 11.93 | H |
| | 3756 | -54.26 | -13 | -41.26 | -66.75 | -58.86 | 3 | 7.60 | V |
| | 5634 | -50.69 | -13 | -37.69 | -63.1 | -56.95 | 3.84 | 10.10 | V |
| | 7512 | -44.75 | -13 | -31.75 | -62.54 | -52.25 | 4.43 | 11.93 | 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 | 3751 | -51.21 | -13 | -38.21 | -65.41 | -55.81 | 3 | 7.60 | H |
| | 5628 | -47.86 | -13 | -34.86 | -61.65 | -54.12 | 3.84 | 10.10 | H |
| | 7503 | -43.15 | -13 | -30.15 | -62.93 | -50.65 | 4.43 | 11.93 | H |
| | 3750 | -53.14 | -13 | -40.14 | -65.63 | -57.74 | 3 | 7.60 | V |
| | 5627 | -48.65 | -13 | -35.65 | -61.06 | -54.91 | 3.84 | 10.10 | V |
| | 7503 | -45.01 | -13 | -32.01 | -62.8 | -52.51 | 4.43 | 11.93 | 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 | -51.61 | -13 | -38.61 | -65.81 | -56.21 | 3 | 7.60 | H |
| | 5621 | -47.29 | -13 | -34.29 | -61.08 | -53.55 | 3.84 | 10.10 | H |
| | 7494 | -39.84 | -13 | -26.84 | -59.62 | -47.34 | 4.43 | 11.93 | H |
| | 3747 | -51.49 | -13 | -38.49 | -63.98 | -56.09 | 3 | 7.60 | V |
| | 5621 | -49.37 | -13 | -36.37 | -61.78 | -55.63 | 3.84 | 10.10 | V |
| | 7494 | -44.65 | -13 | -31.65 | -62.44 | -52.15 | 4.43 | 11.93 | 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 | -50.55 | -13 | -37.55 | -64.75 | -55.15 | 3 | 7.60 | H |
| | 5614 | -48.42 | -13 | -35.42 | -62.21 | -54.68 | 3.84 | 10.10 | H |
| | 7485 | -42.58 | -13 | -29.58 | -62.36 | -50.08 | 4.43 | 11.93 | H |
| | 3741 | -51.99 | -13 | -38.99 | -64.48 | -56.59 | 3 | 7.60 | V |
| | 5614 | -49.30 | -13 | -36.30 | -61.71 | -55.56 | 3.84 | 10.10 | V |
| | 7485 | -43.31 | -13 | -30.31 | -61.1 | -50.81 | 4.43 | 11.93 | 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 | -51.97 | -13 | -38.97 | -66.10 | -56.34 | 3.12 | 7.49 | H |
| | 5196 | -49.54 | -13 | -36.54 | -62.69 | -55.34 | 3.65 | 9.45 | H |
| | 6927 | -45.01 | -13 | -32.01 | -61.87 | -52.21 | 4.15 | 11.35 | H |
| | 3465 | -53.34 | -13 | -40.34 | -66.16 | -57.71 | 3.12 | 7.49 | V |
| | 5196 | -50.14 | -13 | -37.14 | -64.15 | -55.94 | 3.65 | 9.45 | V |
| | 6927 | -47.20 | -13 | -34.20 | -62.45 | -54.40 | 4.15 | 11.35 | 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 | -50.86 | -13 | -37.86 | -64.99 | -55.23 | 3.12 | 7.49 | H |
| | 5194 | -50.10 | -13 | -37.10 | -63.25 | -55.90 | 3.65 | 9.45 | H |
| | 6924 | -44.64 | -13 | -31.64 | -61.50 | -51.84 | 4.15 | 11.35 | H |
| | 3462 | -51.98 | -13 | -38.98 | -64.8 | -56.35 | 3.12 | 7.49 | V |
| | 5194 | -50.35 | -13 | -37.35 | -64.36 | -56.15 | 3.65 | 9.45 | V |
| | 6924 | -46.87 | -13 | -33.87 | -62.12 | -54.07 | 4.15 | 11.35 | 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 | 3462 | -52.28 | -13 | -39.28 | -66.41 | -56.65 | 3.12 | 7.49 | H |
| | 5192 | -49.84 | -13 | -36.84 | -62.99 | -55.64 | 3.65 | 9.45 | H |
| | 6921 | -45.47 | -13 | -32.47 | -62.33 | -52.67 | 4.15 | 11.35 | H |
| | 3462 | -54.02 | -13 | -41.02 | -66.84 | -58.39 | 3.12 | 7.49 | V |
| | 5192 | -50.02 | -13 | -37.02 | -64.03 | -55.82 | 3.65 | 9.45 | V |
| | 6921 | -46.12 | -13 | -33.12 | -61.37 | -53.32 | 4.15 | 11.35 | 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 | -50.10 | -13 | -37.10 | -64.23 | -54.47 | 3.12 | 7.49 | H |
| | 5184 | -47.13 | -13 | -34.13 | -60.28 | -52.93 | 3.65 | 9.45 | H |
| | 6912 | -44.84 | -13 | -31.84 | -61.70 | -52.04 | 4.15 | 11.35 | H |
| | 3456 | -52.36 | -13 | -39.36 | -65.18 | -56.73 | 3.12 | 7.49 | V |
| | 5184 | -48.10 | -13 | -35.10 | -62.11 | -53.90 | 3.65 | 9.45 | V |
| | 6912 | -46.90 | -13 | -33.90 | -62.15 | -54.10 | 4.15 | 11.35 | 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 | 3453 | -51.56 | -13 | -38.56 | -65.69 | -55.93 | 3.12 | 7.49 | H |
| | 5179 | -49.79 | -13 | -36.79 | -62.94 | -55.59 | 3.65 | 9.45 | H |
| | 6906 | -45.33 | -13 | -32.33 | -62.19 | -52.53 | 4.15 | 11.35 | H |
| | 3453 | -52.36 | -13 | -39.36 | -65.18 | -56.73 | 3.12 | 7.49 | V |
| | 5179 | -48.35 | -13 | -35.35 | -62.36 | -54.15 | 3.65 | 9.45 | V |
| | 6906 | -47.49 | -13 | -34.49 | -62.74 | -54.69 | 4.15 | 11.35 | 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 | -51.89 | -13 | -38.89 | -66.02 | -56.26 | 3.12 | 7.49 | H |
| | 5171 | -49.73 | -13 | -36.73 | -62.88 | -55.53 | 3.65 | 9.45 | H |
| | 6894 | -45.74 | -13 | -32.74 | -62.60 | -52.94 | 4.15 | 11.35 | H |
| | 3447 | -52.88 | -13 | -39.88 | -65.7 | -57.25 | 3.12 | 7.49 | V |
| | 5171 | -49.69 | -13 | -36.69 | -63.7 | -55.49 | 3.65 | 9.45 | V |
| | 6894 | -47.33 | -13 | -34.33 | -62.58 | -54.53 | 4.15 | 11.35 | 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) | 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 | 1672 | -40.62 | -13 | -27.62 | -46.72 | -42.51 | 1.86 | 5.90 | H |
| | 2508 | -56.02 | -13 | -43.02 | -65.05 | -58.36 | 2.31 | 6.80 | H |
| | 3345 | -54.17 | -13 | -41.17 | -66.80 | -56.57 | 2.85 | 7.40 | H |
| | 1672 | -40.33 | -13 | -27.33 | -46.28 | -42.22 | 1.86 | 5.90 | V |
| | 2508 | -54.18 | -13 | -41.18 | -65.15 | -56.52 | 2.31 | 6.80 | V |
| | 3345 | -52.84 | -13 | -39.84 | -66.82 | -55.24 | 2.85 | 7.40 | 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 | -40.88 | -13 | -27.88 | -46.95 | -42.77 | 1.86 | 5.90 | H |
| | 2506 | -55.63 | -13 | -42.63 | -64.66 | -57.97 | 2.31 | 6.80 | H |
| | 3342 | -53.99 | -13 | -40.99 | -66.62 | -56.39 | 2.85 | 7.40 | H |
| | 1670 | -39.74 | -13 | -26.74 | -45.85 | -41.63 | 1.86 | 5.90 | V |
| | 2506 | -53.94 | -13 | -40.94 | -64.91 | -56.28 | 2.31 | 6.80 | V |
| | 3342 | -52.28 | -13 | -39.28 | -66.26 | -54.68 | 2.85 | 7.40 | 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 | -40.74 | -13 | -27.74 | -46.82 | -42.63 | 1.86 | 5.90 | H |
| | 2504 | -55.63 | -13 | -42.63 | -64.66 | -57.97 | 2.31 | 6.80 | H |
| | 3339 | -53.42 | -13 | -40.42 | -66.05 | -55.82 | 2.85 | 7.40 | H |
| | 1670 | -40.80 | -13 | -27.80 | -46.54 | -42.69 | 1.86 | 5.90 | V |
| | 2503 | -49.88 | -13 | -36.88 | -60.85 | -52.22 | 2.31 | 6.80 | V |
| | 3339 | -52.99 | -13 | -39.99 | -66.97 | -55.39 | 2.85 | 7.40 | 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 | -42.51 | -13 | -29.51 | -48.00 | -44.40 | 1.86 | 5.90 | H |
| | 2496.5 | -55.93 | -13 | -42.93 | -64.96 | -58.27 | 2.31 | 6.80 | H |
| | 3327 | -53.40 | -13 | -40.40 | -66.03 | -55.80 | 2.85 | 7.40 | H |
| | 1664 | -41.50 | -13 | -28.50 | -47.14 | -43.39 | 1.86 | 5.90 | V |
| | 2496 | -51.30 | -13 | -38.30 | -62.27 | -53.64 | 2.31 | 6.80 | V |
| | 3327 | -52.63 | -13 | -39.63 | -66.61 | -55.03 | 2.85 | 7.40 | 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 | -58.08 | -13 | -45.08 | -54.50 | -59.06 | 1.75 | 4.88 | H |
| | 2122 | -38.08 | -13 | -25.08 | -49.10 | -39.70 | 2.16 | 5.93 | H |
| | 2829 | -55.35 | -13 | -42.35 | -65.77 | -57.38 | 2.48 | 6.66 | H |
| | 1414 | -56.45 | -13 | -43.45 | -54.92 | -57.43 | 1.75 | 4.88 | V |
| | 2122 | -42.04 | -13 | -29.04 | -53.96 | -43.66 | 2.16 | 5.93 | V |
| | 2828 | -54.09 | -13 | -41.09 | -65.6 | -56.12 | 2.48 | 6.66 | 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 | -58.74 | -13 | -45.74 | -55.16 | -59.72 | 1.75 | 4.88 | H |
| | 2120 | -37.41 | -13 | -24.41 | -48.58 | -39.03 | 2.16 | 5.93 | H |
| | 2825 | -55.35 | -13 | -42.35 | -65.77 | -57.38 | 2.48 | 6.66 | H |
| | 1412 | -57.25 | -13 | -44.25 | -55.72 | -58.23 | 1.75 | 4.88 | V |
| | 2119 | -39.68 | -13 | -26.68 | -52.23 | -41.30 | 2.16 | 5.93 | V |
| | 2825 | -54.08 | -13 | -41.08 | -65.59 | -56.11 | 2.48 | 6.66 | 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 (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 | -60.09 | -13 | -47.09 | -56.51 | -61.07 | 1.75 | 4.88 | H |
| | 2116 | -37.05 | -13 | -24.05 | -48.30 | -38.67 | 2.16 | 5.93 | H |
| | 2822 | -56.08 | -13 | -43.08 | -66.50 | -58.11 | 2.48 | 6.66 | H |
| | 1411 | -59.21 | -13 | -46.21 | -57.68 | -60.19 | 1.75 | 4.88 | V |
| | 2116 | -38.91 | -13 | -25.91 | -51.58 | -40.53 | 2.16 | 5.93 | V |
| | 2822 | -54.51 | -13 | -41.51 | -66.02 | -56.54 | 2.48 | 6.66 | 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 (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 | 1406 | -58.81 | -13 | -45.81 | -55.23 | -59.79 | 1.75 | 4.88 | H |
| | 2110 | -38.64 | -13 | -25.64 | -49.52 | -40.26 | 2.16 | 5.93 | H |
| | 2812 | -55.17 | -13 | -42.17 | -65.59 | -57.20 | 2.48 | 6.66 | H |
| | 1406 | -55.98 | -13 | -42.98 | -54.45 | -56.96 | 1.75 | 4.88 | V |
| | 2110 | -43.00 | -13 | -30.00 | -54.43 | -44.62 | 2.16 | 5.93 | V |
| | 2812 | -54.37 | -13 | -41.37 | -65.88 | -56.40 | 2.48 | 6.66 | V |

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

**Spot Check for Radiated Spurious Emission**

| 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 | -53.82 | -13 | -40.82 | -52.30 | -54.80 | 1.75 | 4.88 | H |
| | 2120 | -52.56 | -13 | -39.56 | -58.57 | -54.18 | 2.16 | 5.93 | H |
| | 2820 | -53.50 | -13 | -40.50 | -63.92 | -55.53 | 2.48 | 6.66 | H |
| | 1412 | -51.52 | -13 | -38.52 | -52.53 | -52.50 | 1.75 | 4.88 | V |
| | 2116 | -52.57 | -13 | -39.57 | -60.55 | -54.19 | 2.16 | 5.93 | V |
| | 2820 | -52.70 | -13 | -39.70 | -64.21 | -54.73 | 2.48 | 6.66 | V |

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



APPENDIX D. product equality declaration

Declaration of changes from Initial (Idol 3 5.5 NA 6045I) to Variant (Idol 3 5.5 cricket 6045O)

General: 6045O is a variant product of 6045I.

● SOFTWARE MODIFICATIONS:

- Protocol Stack changes: NO
- MMS/STK/USAT/USIM changes: NO
- DM/SUPL/VT/FUMO/SWP/HCI: NO
- Reversible Call: NO
- Other changes detailed: 6045O have no DTM, have TTY.

● HARDWARE MODIFICATIONS:

- Baseband changes: NO
- Band changes: YES, 6045O have no B17/ B7
- Antenna changes: Main antenna changed, Diversity/GPS antenna changed, BT/WIFI antenna same as 6045I
- PCB Layout changes: NO
- Main components changes: NO

| | Base Band | Transceiver | ASM | Power Amplifier | Tx SAW Filter | Rx SAW Filter (SAW Duplexer) |
|----------|-----------|-------------|-----|-----------------|---------------|------------------------------|
| GSM 850 | NO | NO | NO | NO | N/A | NO |
| GSM 900 | NO | NO | NO | NO | N/A | NO |
| GSM 1800 | NO | NO | NO | NO | N/A | NO |
| GSM 1900 | NO | NO | NO | NO | N/A | NO |

| | Base Band | Transceiver | ASM | Power Amplifier | Tx SAW Filter | Rx SAW Filter (SAW Duplexer) |
|-------------|-----------|-------------|-----|-----------------|---------------|------------------------------|
| UMTS FDD I | NO | NO | NO | NO | N/A | NO |
| UMTS FDD II | NO | NO | NO | NO | NA | NO |
| UMTS FDD IV | NO | NO | NO | NO | N/A | NO |
| UMTS FDD V | NO | NO | NO | NO | N/A | NO |

| | Base Band | Transceiver | ASM | Power Amplifier | Tx SAW Filter | Rx SAW Filter (SAW Duplexer) |
|---------|-----------|-------------|-----|-----------------|---------------|------------------------------|
| LTE B2 | NO | NO | NO | NO | N/A | NO |
| LTE B4 | NO | NO | NO | NO | N/A | NO |
| LTE B5 | NO | NO | NO | NO | N/A | NO |
| LTE B12 | NO | NO | NO | NO | N/A | NO |

- Bluetooth changes: NO
- WiFi changes: NO
- FM changes: NO
- Other components changes: NO
- TP/LCD/ Camera changes: NO
- Other changes detailed: 6045O support HSDPA Category 14 and GPRS/EDGE class 10. 6045I support HSDPA Category 24 and GPRS/EDGE class 12.

➤ MECHANICAL MODIFICATIONS:

- Use new metal front/back cover or keypad: NO
- Mechanical shell changes: NO
- Whole size of EUT: NO
- Distance of Ear reference point to bottom of handset: NO
- Other trinkets to change the surface of handset: NO

- Other changes detailed

➤ APPROVED BY:

Project Manager:

Signature:

Date:

李海光 8.27