

### 1.1.1 BandII\_EIRP

| Band: II                                 |           |              |                    |                          |               |            |         |         |      |
|------------------------------------------|-----------|--------------|--------------------|--------------------------|---------------|------------|---------|---------|------|
| ENV                                      | Mode      |              | Frequency<br>(MHz) | Conducted Power<br>(dBm) | Gain<br>(dBi) | EIRP (dBm) |         | Verdict |      |
|                                          | Network   | Subset       |                    |                          |               | Result     | Limit   |         |      |
| NTNV                                     | RMC       | 12.2kbps RMC | 1852.4             | 22.00                    | -0.83         | 21.17      | <=33.01 | Pass    |      |
|                                          |           |              | 1880               | 22.23                    | -0.83         | 21.40      | <=33.01 | Pass    |      |
|                                          |           |              | 1907.6             | 22.59                    | -0.83         | 21.76      | <=33.01 | Pass    |      |
|                                          | HSDPA     | Subtest 1    | 1852.4             | 21.51                    | -0.83         | 20.68      | <=33.01 | Pass    |      |
|                                          |           | Subtest 2    | 1852.4             | 21.54                    | -0.83         | 20.71      | <=33.01 | Pass    |      |
|                                          |           | Subtest 3    | 1852.4             | 21.55                    | -0.83         | 20.72      | <=33.01 | Pass    |      |
|                                          |           | Subtest 4    | 1852.4             | 21.54                    | -0.83         | 20.71      | <=33.01 | Pass    |      |
|                                          |           | Subtest 1    | 1880               | 21.93                    | -0.83         | 21.10      | <=33.01 | Pass    |      |
|                                          |           | Subtest 2    | 1880               | 21.87                    | -0.83         | 21.04      | <=33.01 | Pass    |      |
|                                          |           | Subtest 3    | 1880               | 21.88                    | -0.83         | 21.05      | <=33.01 | Pass    |      |
|                                          |           | Subtest 4    | 1880               | 21.87                    | -0.83         | 21.04      | <=33.01 | Pass    |      |
|                                          |           | Subtest 1    | 1907.6             | 22.15                    | -0.83         | 21.32      | <=33.01 | Pass    |      |
|                                          |           | Subtest 2    | 1907.6             | 22.16                    | -0.83         | 21.33      | <=33.01 | Pass    |      |
|                                          |           | Subtest 3    | 1907.6             | 22.17                    | -0.83         | 21.34      | <=33.01 | Pass    |      |
|                                          |           | Subtest 4    | 1907.6             | 22.21                    | -0.83         | 21.38      | <=33.01 | Pass    |      |
|                                          |           | Subtest 1    | 1852.4             | 20.55                    | -0.83         | 19.72      | <=33.01 | Pass    |      |
|                                          |           | Subtest 2    | 1852.4             | 20.60                    | -0.83         | 19.77      | <=33.01 | Pass    |      |
|                                          |           | Subtest 3    | 1852.4             | 20.53                    | -0.83         | 19.70      | <=33.01 | Pass    |      |
|                                          |           | Subtest 4    | 1852.4             | 20.86                    | -0.83         | 20.03      | <=33.01 | Pass    |      |
|                                          |           | Subtest 5    | 1852.4             | 20.56                    | -0.83         | 19.73      | <=33.01 | Pass    |      |
|                                          |           | Subtest 1    | 1880               | 20.72                    | -0.83         | 19.89      | <=33.01 | Pass    |      |
|                                          |           | Subtest 2    | 1880               | 20.69                    | -0.83         | 19.86      | <=33.01 | Pass    |      |
|                                          |           | Subtest 3    | 1880               | 19.87                    | -0.83         | 19.04      | <=33.01 | Pass    |      |
|                                          |           | Subtest 4    | 1880               | 19.47                    | -0.83         | 18.64      | <=33.01 | Pass    |      |
|                                          |           | Subtest 5    | 1880               | 19.78                    | -0.83         | 18.95      | <=33.01 | Pass    |      |
|                                          |           | HSUPA        | Subtest 1          | 1907.6                   | 19.91         | -0.83      | 19.08   | <=33.01 | Pass |
|                                          |           |              | Subtest 2          | 1907.6                   | 19.97         | -0.83      | 19.14   | <=33.01 | Pass |
|                                          | Subtest 3 |              | 1907.6             | 19.88                    | -0.83         | 19.05      | <=33.01 | Pass    |      |
|                                          | Subtest 4 |              | 1907.6             | 20.05                    | -0.83         | 19.22      | <=33.01 | Pass    |      |
|                                          | Subtest 5 |              | 1907.6             | 19.70                    | -0.83         | 18.87      | <=33.01 | Pass    |      |
| Note1: EIRP=Conducted Power+Antenna Gain |           |              |                    |                          |               |            |         |         |      |

## 2. Field Strength of Spurious Radiation

Test on the worst case

| WCDMA Band II-Low channel |            |             |                 |                  |                 |                    |                    |        |
|---------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)           | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3704.8                    | -64.12     | -13         | -51.12          | -68.98           | 3.58            | 8.44               | Horizontal         | Pass   |
| 5557.2                    | -41.63     | -13         | -28.63          | -47.34           | 4.74            | 10.45              | Horizontal         | Pass   |
| 7409.6                    | -58.17     | -13         | -45.17          | -64.86           | 4.94            | 11.63              | Horizontal         | Pass   |
| 3704.8                    | -65.34     | -13         | -52.34          | -70.2            | 3.58            | 8.44               | Vertical           | Pass   |
| 5557.2                    | -44.99     | -13         | -31.99          | -50.7            | 4.74            | 10.45              | Vertical           | Pass   |
| 7409.6                    | -60.11     | -13         | -47.11          | -66.8            | 4.94            | 11.63              | Vertical           | Pass   |

| WCDMA Band II-Middle channel |            |             |                 |                  |                 |                    |                    |        |
|------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)              | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3760.0                       | -63.12     | -13         | -50.12          | -68.01           | 3.63            | 8.52               | Horizontal         | Pass   |
| 5640.0                       | -41.65     | -13         | -28.65          | -47.35           | 4.75            | 10.45              | Horizontal         | Pass   |
| 7520.0                       | -56.34     | -13         | -43.34          | -63.16           | 4.94            | 11.76              | Horizontal         | Pass   |
| 3760.0                       | -58.85     | -13         | -45.85          | -63.74           | 3.63            | 8.52               | Vertical           | Pass   |
| 5640.0                       | -36.79     | -13         | -23.79          | -42.49           | 4.75            | 10.45              | Vertical           | Pass   |
| 7520.0                       | -58.81     | -13         | -45.81          | -65.63           | 4.94            | 11.76              | Vertical           | Pass   |

| WCDMA Band II-High channel |            |             |                 |                  |                 |                    |                    |        |
|----------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)            | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3815.2                     | -59.66     | -13         | -46.66          | -64.57           | 3.68            | 8.59               | Horizontal         | Pass   |
| 5722.8                     | -38.88     | -13         | -25.88          | -44.57           | 4.76            | 10.45              | Horizontal         | Pass   |
| 7630.4                     | -53.67     | -13         | -40.67          | -60.61           | 4.95            | 11.89              | Horizontal         | Pass   |
| 3815.2                     | -64.07     | -13         | -51.07          | -68.98           | 3.68            | 8.59               | Vertical           | Pass   |
| 5722.8                     | -51.39     | -13         | -38.39          | -57.08           | 4.76            | 10.45              | Vertical           | Pass   |
| 7630.4                     | -56.34     | -13         | -43.34          | -63.28           | 4.95            | 11.89              | Vertical           | Pass   |