

# 1. Frequency Stability

## 1.1 Band2

### 1.1.1 Test Result

| Band: 2 |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 1852.4          | 20         | 3.27          | 5.522            | 0.0030                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | -3.977           | -0.0021               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 9.584            | 0.0052                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 0.758            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | -10.521          | -0.0057               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 4.435            | 0.0024                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | -5.386           | -0.0029               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | 4.420            | 0.0024                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | -2.396           | -0.0013               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | 0.808            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | 1.173            | 0.0006                | -2.5 to 2.5 | Pass    |
|         | 1880            | 20         | 3.27          | 4.656            | 0.0025                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | -7.374           | -0.0039               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 6.316            | 0.0034                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 6.766            | 0.0036                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | -1.688           | -0.0009               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | -4.914           | -0.0026               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | -2.038           | -0.0011               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | 9.370            | 0.0050                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 4.992            | 0.0027                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | -1.523           | -0.0008               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | -1.051           | -0.0006               | -2.5 to 2.5 | Pass    |
|         | 1907.6          | 20         | 3.27          | 3.591            | 0.0019                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 1.438            | 0.0008                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 3.133            | 0.0016                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | -8.326           | -0.0044               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 1.881            | 0.0010                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 5.929            | 0.0031                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | -5.128           | -0.0027               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | -7.303           | -0.0038               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 7.553            | 0.0040                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | 10.479           | 0.0055                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | -2.217           | -0.0012               | -2.5 to 2.5 | Pass    |
| HSDPA   | 1852.4          | 20         | 3.27          | 12.338           | 0.0067                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 12.538           | 0.0068                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 10.858           | 0.0059                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 8.276            | 0.0045                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 4.199            | 0.0023                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | -1.295           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | 0.286            | 0.0002                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | 1.287            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 1.302            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | 0.315            | 0.0002                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | 2.661            | 0.0014                | -2.5 to 2.5 | Pass    |
|         | 1880            | 20         | 3.27          | 5.078            | 0.0027                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 6.073            | 0.0032                | -2.5 to 2.5 | Pass    |

|       |        |     |      |         |         |             |      |
|-------|--------|-----|------|---------|---------|-------------|------|
|       |        |     | 4.43 | 4.592   | 0.0024  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 3.855   | 0.0021  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 4.964   | 0.0026  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 5.250   | 0.0028  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 4.342   | 0.0023  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 4.520   | 0.0024  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 4.714   | 0.0025  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 5.035   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 5.136   | 0.0027  | -2.5 to 2.5 | Pass |
|       | 1907.6 | 20  | 3.27 | 0.451   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | 0.815   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | 3.455   | 0.0018  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 0.465   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 1.974   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 2.103   | 0.0011  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 4.392   | 0.0023  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 6.573   | 0.0034  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 1.316   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 3.376   | 0.0018  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 4.427   | 0.0023  | -2.5 to 2.5 | Pass |
| HSUPA | 1852.4 | 20  | 3.27 | -7.389  | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -7.381  | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | -4.449  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | -7.031  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | -7.796  | -0.0042 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | -7.710  | -0.0042 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | -4.277  | -0.0023 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | -17.202 | -0.0093 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | -17.982 | -0.0097 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | -15.993 | -0.0086 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | -15.686 | -0.0085 | -2.5 to 2.5 | Pass |
|       | 1880   | 20  | 3.27 | -22.645 | -0.0120 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -20.664 | -0.0110 | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | -18.725 | -0.0100 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | -19.734 | -0.0105 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | -19.734 | -0.0105 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | -8.862  | -0.0047 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | -10.951 | -0.0058 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | -6.845  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | -7.582  | -0.0040 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | -6.824  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | -8.776  | -0.0047 | -2.5 to 2.5 | Pass |
|       | 1907.6 | 20  | 3.27 | -15.864 | -0.0083 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -4.649  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | -3.476  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | -5.414  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | -2.053  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | -3.691  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | -0.894  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | -1.538  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | -12.252 | -0.0064 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | -12.846 | -0.0067 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | -12.939 | -0.0068 | -2.5 to 2.5 | Pass |

## 2. Frequency Stability

## 2.1 Band4

### 2.1.1 Test Result

| Band: 4 |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 1712.4          | 20         | 3.27          | 6.559            | 0.0038                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 2.325            | 0.0014                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 4.442            | 0.0026                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 1.402            | 0.0008                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | -0.143           | -0.0001               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 4.027            | 0.0024                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | 5.071            | 0.0030                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | -2.697           | -0.0016               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | -3.548           | -0.0021               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | -1.216           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | 2.654            | 0.0015                | -2.5 to 2.5 | Pass    |
|         | 1732.6          | 20         | 3.27          | 3.941            | 0.0023                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | -4.120           | -0.0024               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 2.604            | 0.0015                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 6.516            | 0.0038                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 1.488            | 0.0009                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | -6.773           | -0.0039               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | -3.226           | -0.0019               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | -4.020           | -0.0023               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | -6.051           | -0.0035               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | -1.538           | -0.0009               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | -6.673           | -0.0039               | -2.5 to 2.5 | Pass    |
|         | 1752.6          | 20         | 3.27          | 6.495            | 0.0037                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 4.785            | 0.0027                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 2.940            | 0.0017                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 3.061            | 0.0017                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 4.299            | 0.0025                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 4.048            | 0.0023                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | -0.136           | -0.0001               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | 2.625            | 0.0015                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 0.865            | 0.0005                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | -1.051           | -0.0006               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | -3.676           | -0.0021               | -2.5 to 2.5 | Pass    |
| HSDPA   | 1712.4          | 20         | 3.27          | 4.821            | 0.0028                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 1.073            | 0.0006                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 2.518            | 0.0015                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 0.758            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 1.001            | 0.0006                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 3.319            | 0.0019                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | 1.280            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | 1.788            | 0.0010                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 2.489            | 0.0015                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | 0.873            | 0.0005                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | 0.637            | 0.0004                | -2.5 to 2.5 | Pass    |
|         | 1732.6          | 20         | 3.27          | 4.284            | 0.0025                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 4.485            | 0.0026                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | -0.021           | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | -1.001           | -0.0006               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 1.645            | 0.0009                | -2.5 to 2.5 | Pass    |

|       |        |     |      |         |         |             |      |
|-------|--------|-----|------|---------|---------|-------------|------|
|       |        | -10 | 3.85 | 2.432   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 7.145   | 0.0041  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 1.488   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | -1.938  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | -2.775  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | -2.568  | -0.0015 | -2.5 to 2.5 | Pass |
|       | 1752.6 | 20  | 3.27 | -0.150  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | 1.402   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | 3.147   | 0.0018  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 4.578   | 0.0026  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 5.929   | 0.0034  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 5.479   | 0.0031  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 6.015   | 0.0034  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 5.686   | 0.0032  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 5.128   | 0.0029  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 5.271   | 0.0030  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 2.840   | 0.0016  | -2.5 to 2.5 | Pass |
| HSUPA | 1712.4 | 20  | 3.27 | -10.865 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -15.185 | -0.0089 | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | -14.369 | -0.0084 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | -10.579 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | -10.521 | -0.0061 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | -11.873 | -0.0069 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | -10.765 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | -14.827 | -0.0087 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | -10.679 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | -12.352 | -0.0072 | -2.5 to 2.5 | Pass |
|       | 1732.6 | 20  | 3.85 | -14.627 | -0.0085 | -2.5 to 2.5 | Pass |
|       |        |     | 3.27 | -13.518 | -0.0078 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -12.696 | -0.0073 | -2.5 to 2.5 | Pass |
|       |        | -30 | 4.43 | -11.988 | -0.0069 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -13.161 | -0.0076 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -7.389  | -0.0043 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | -7.274  | -0.0042 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | -8.254  | -0.0048 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | -10.335 | -0.0060 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | -13.204 | -0.0076 | -2.5 to 2.5 | Pass |
|       | 1752.6 | 20  | 3.85 | -13.547 | -0.0078 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -10.121 | -0.0058 | -2.5 to 2.5 | Pass |
|       |        |     | 3.27 | -14.963 | -0.0085 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | -10.443 | -0.0060 | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | -13.676 | -0.0078 | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | -15.378 | -0.0088 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | -11.029 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | -8.390  | -0.0048 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | -10.922 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | -8.934  | -0.0051 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | -8.655  | -0.0049 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | -5.937  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | -9.112  | -0.0052 | -2.5 to 2.5 | Pass |

### 3. Frequency Stability

#### 3.1 Band5

### 3.1.1 Test Result

| Band: 5 |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 826.4           | 20         | 3.27          | 0.536            | 0.0006                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 1.030            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 1.338            | 0.0016                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 0.830            | 0.0010                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 2.067            | 0.0025                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 2.918            | 0.0035                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | -1.624           | -0.0020               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | 1.044            | 0.0013                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | -3.211           | -0.0039               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | -0.515           | -0.0006               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | 0.994            | 0.0012                | -2.5 to 2.5 | Pass    |
|         | 836.6           | 20         | 3.27          | -1.781           | -0.0021               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 2.954            | 0.0035                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 0.765            | 0.0009                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | -0.386           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 3.169            | 0.0038                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 2.596            | 0.0031                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | 0.343            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | -1.202           | -0.0014               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 0.036            | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | -0.072           | -0.0001               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | -0.601           | -0.0007               | -2.5 to 2.5 | Pass    |
|         | 846.6           | 20         | 3.27          | 0.350            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | -1.874           | -0.0022               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 0.415            | 0.0005                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | -0.844           | -0.0010               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | -2.975           | -0.0035               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 0.844            | 0.0010                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | -0.494           | -0.0006               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | -1.838           | -0.0022               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 2.561            | 0.0030                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | 1.280            | 0.0015                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | 0.322            | 0.0004                | -2.5 to 2.5 | Pass    |
| HSDPA   | 826.4           | 20         | 3.27          | 4.699            | 0.0057                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 2.089            | 0.0025                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 1.137            | 0.0014                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 0.408            | 0.0005                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 0.715            | 0.0009                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 4.256            | 0.0052                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | 4.914            | 0.0059                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.85          | 4.706            | 0.0057                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.85          | 4.456            | 0.0054                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.85          | 4.864            | 0.0059                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.85          | 4.320            | 0.0052                | -2.5 to 2.5 | Pass    |
|         | 836.6           | 20         | 3.27          | 5.500            | 0.0066                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.85          | 6.866            | 0.0082                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.43          | 6.287            | 0.0075                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.85          | 5.815            | 0.0070                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.85          | 6.702            | 0.0080                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.85          | 5.407            | 0.0065                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.85          | 3.905            | 0.0047                | -2.5 to 2.5 | Pass    |

|       |       |     |      |        |         |             |      |
|-------|-------|-----|------|--------|---------|-------------|------|
|       |       | 10  | 3.85 | 5.093  | 0.0061  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.85 | 4.084  | 0.0049  | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.85 | 4.027  | 0.0048  | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.85 | 4.535  | 0.0054  | -2.5 to 2.5 | Pass |
|       | 846.6 | 20  | 3.27 | 2.618  | 0.0031  | -2.5 to 2.5 | Pass |
|       |       |     | 3.85 | 2.046  | 0.0024  | -2.5 to 2.5 | Pass |
|       |       |     | 4.43 | 2.747  | 0.0032  | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.85 | 3.812  | 0.0045  | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.85 | 5.293  | 0.0063  | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.85 | 5.236  | 0.0062  | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.85 | 3.376  | 0.0040  | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.85 | 3.240  | 0.0038  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.85 | 3.240  | 0.0038  | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.85 | 2.761  | 0.0033  | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.85 | 1.445  | 0.0017  | -2.5 to 2.5 | Pass |
| HSUPA | 826.4 | 20  | 3.27 | -1.194 | -0.0014 | -2.5 to 2.5 | Pass |
|       |       |     | 3.85 | -1.609 | -0.0019 | -2.5 to 2.5 | Pass |
|       |       |     | 4.43 | -3.748 | -0.0045 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.85 | -2.904 | -0.0035 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.85 | -2.704 | -0.0033 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.85 | -2.432 | -0.0029 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.85 | -3.920 | -0.0047 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.85 | -5.136 | -0.0062 | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.85 | -4.177 | -0.0051 | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.85 | -4.470 | -0.0054 | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.85 | -4.184 | -0.0051 | -2.5 to 2.5 | Pass |
|       | 836.6 | 20  | 3.27 | -2.825 | -0.0034 | -2.5 to 2.5 | Pass |
|       |       |     | 3.85 | -4.270 | -0.0051 | -2.5 to 2.5 | Pass |
|       |       |     | 4.43 | -3.519 | -0.0042 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.85 | -2.890 | -0.0035 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.85 | -3.555 | -0.0042 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.85 | -3.290 | -0.0039 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.85 | -4.520 | -0.0054 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.85 | -3.397 | -0.0041 | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.85 | -3.548 | -0.0042 | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.85 | -5.407 | -0.0065 | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.85 | -4.435 | -0.0053 | -2.5 to 2.5 | Pass |
|       | 846.6 | 20  | 3.27 | -7.267 | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |     | 3.85 | -5.765 | -0.0068 | -2.5 to 2.5 | Pass |
|       |       |     | 4.43 | -6.144 | -0.0073 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.85 | -4.785 | -0.0057 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.85 | -6.480 | -0.0077 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.85 | -4.134 | -0.0049 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.85 | -1.888 | -0.0022 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.85 | -1.473 | -0.0017 | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.85 | -0.637 | -0.0008 | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.85 | -1.345 | -0.0016 | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.85 | -2.632 | -0.0031 | -2.5 to 2.5 | Pass |