

APPENDIX B – TEST DATA OF RADIATED EMISSION

The measurement results are obtained as described below:

Peak EIRP = P_{mea} + P_{ca} Cable loss+ G_a Antenna Gain

Sample calculation: (26.46 dBm) = (21.66 dBm) + (-3.8 dB) + (8.6 dB), the corresponding frequency is 1852.4MHz.

| Frequency (MHz) | Peak EIRP(dBm) | Pca Cable loss(dB) | Ga Antenna Gain (dB) | P _{mea} (dBm) | Polarization |
|-----------------|----------------|--------------------|----------------------|------------------------|--------------|
| 1852.4 | 26.46 | -3.8 | 8.6 | 21.66 | Vertical |

WCDMA band II

Test result:

WCMDA Mode:

| Frequency (MHz) | Peak EIRP(dBm) | Pca Cable loss | Ga Antenna Gain (dB) | P _{mea} (dBm) | Polarization |
|-----------------|----------------|----------------|----------------------|------------------------|--------------|
| 1852.4 | 26.46 | -3.8 | 8.6 | 21.66 | Vertical |
| 1880.0 | 26.04 | -3.8 | 8.6 | 21.24 | Vertical |
| 1907.6 | 26.84 | -3.8 | 8.6 | 22.04 | Vertical |

HSDPA/HSUPA Mode:

| Frequency (MHz) | Peak EIRP(dBm) | Pca Cable loss | Ga Antenna Gain (dB) | P _{mea} (dBm) | Polarization |
|-----------------|----------------|----------------|----------------------|------------------------|--------------|
| 1852.4 | 26.15 | -3.8 | 8.6 | 21.35 | Vertical |
| 1880.0 | 26.02 | -3.8 | 8.6 | 21.22 | Vertical |
| 1907.6 | 25.94 | -3.8 | 8.6 | 21.14 | Vertical |

HSPA+ Mode: (16QAM)

| Frequency (MHz) | Peak EIRP(dBm) | Pca Cable loss | Ga Antenna Gain (dB) | P _{mea} (dBm) | Polarization |
|-----------------|----------------|----------------|----------------------|------------------------|--------------|
| 1852.4 | 24.67 | -3.8 | 8.6 | 19.87 | Vertical |
| 1880.0 | 24.90 | -3.8 | 8.6 | 20.10 | Vertical |
| 1907.6 | 25.33 | -3.8 | 8.6 | 20.53 | Vertical |

Test result:
WCDMA Mode:
Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.59 | -49.11 | -13 | Vertical |
| 2780.42 | -47.36 | -13 | Vertical |
| 3726.95 | -41.27 | -13 | Vertical |
| 6675.59 | -39.55 | -13 | Vertical |
| 9959.77 | -37.15 | -13 | Vertical |
| 17820.13 | -34.29 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.72 | -49.12 | -13 | Vertical |
| 2779.29 | -47.82 | -13 | Vertical |
| 3725.25 | -40.65 | -13 | Vertical |
| 6678.31 | -39.43 | -13 | Vertical |
| 9961.68 | -36.92 | -13 | Vertical |
| 17820.66 | -34.11 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.73 | -49.27 | -13 | Vertical |
| 2782.05 | -47.01 | -13 | Vertical |
| 3726.37 | -41.07 | -13 | Vertical |
| 6676.59 | -39.55 | -13 | Vertical |
| 9961.56 | -36.90 | -13 | Vertical |
| 17818.75 | -34.33 | -13 | Vertical |

HSDPA/HSUPA Mode:
Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2459.15 | -49.46 | -13 | Vertical |
| 2779.47 | -47.37 | -13 | Vertical |
| 3726.34 | -40.65 | -13 | Vertical |
| 6677.32 | -40.09 | -13 | Vertical |
| 9960.88 | -37.51 | -13 | Vertical |
| 17818.98 | -34.05 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2457.68 | -48.89 | -13 | Vertical |
| 2779.39 | -46.89 | -13 | Vertical |
| 3727.79 | -40.64 | -13 | Vertical |
| 6675.42 | -39.80 | -13 | Vertical |
| 9961.70 | -37.38 | -13 | Vertical |
| 17820.58 | -34.32 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.29 | -49.14 | -13 | Vertical |
| 2781.71 | -46.97 | -13 | Vertical |
| 3725.36 | -40.77 | -13 | Vertical |
| 6675.69 | -39.37 | -13 | Vertical |
| 9961.43 | -36.84 | -13 | Vertical |
| 17819.79 | -34.07 | -13 | Vertical |

HSPA+ Mode: (16QAM)
Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.09 | -49.37 | -13 | Vertical |
| 2778.55 | -47.50 | -13 | Vertical |
| 3728.02 | -41.08 | -13 | Vertical |
| 6677.67 | -39.18 | -13 | Vertical |
| 9960.18 | -37.14 | -13 | Vertical |
| 17818.63 | -33.57 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.35 | -49.43 | -13 | Vertical |
| 2780.46 | -47.61 | -13 | Vertical |
| 3728.27 | -40.60 | -13 | Vertical |
| 6675.46 | -39.49 | -13 | Vertical |
| 9960.46 | -37.64 | -13 | Vertical |
| 17821.52 | -34.31 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.67 | -48.64 | -13 | Vertical |
| 2780.74 | -47.55 | -13 | Vertical |
| 3728.15 | -41.35 | -13 | Vertical |
| 6677.45 | -39.71 | -13 | Vertical |
| 9959.60 | -37.48 | -13 | Vertical |
| 17818.94 | -33.96 | -13 | Vertical |

WCDMA band IV

Test result:

WCDMA Mode:

| Frequency (MHz) | Peak EIRP(dBm) | Pca Cable loss | Ga Antenna Gain (dB) | Pmea (dBm) | Polarization |
|-----------------|----------------|----------------|----------------------|------------|--------------|
| 1712.4 | 26.69 | -3.8 | 8.6 | 21.89 | Vertical |
| 1732.4 | 26.45 | -3.8 | 8.6 | 21.65 | Vertical |
| 1752.6 | 26.57 | -3.8 | 8.6 | 21.77 | Vertical |

HSDPA/HSUPA Mode:

| Frequency (MHz) | Peak EIRP(dBm) | Pca Cable loss | Ga Antenna Gain (dB) | Pmea (dBm) | Polarization |
|-----------------|----------------|----------------|----------------------|------------|--------------|
| 1712.4 | 25.44 | -3.8 | 8.6 | 20.64 | Vertical |
| 1732.4 | 26.42 | -3.8 | 8.6 | 21.62 | Vertical |
| 1752.6 | 26.00 | -3.8 | 8.6 | 21.20 | Vertical |

HSPA+ Mode: (16QAM)

| Frequency (MHz) | Peak EIRP(dBm) | Pca Cable loss | Ga Antenna Gain (dB) | Pmea (dBm) | Polarization |
|-----------------|----------------|----------------|----------------------|------------|--------------|
| 1712.4 | 23.74 | -3.8 | 8.6 | 18.94 | Vertical |
| 1732.4 | 23.36 | -3.8 | 8.6 | 18.56 | Vertical |
| 1752.6 | 23.22 | -3.8 | 8.6 | 18.42 | Vertical |

Test result:
WCDMA Mode:
Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.98 | -49.33 | -13 | Vertical |
| 2778.67 | -47.23 | -13 | Vertical |
| 3726.65 | -40.80 | -13 | Vertical |
| 6676.72 | -39.75 | -13 | Vertical |
| 9960.80 | -36.86 | -13 | Vertical |
| 17820.75 | -33.53 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.03 | -49.10 | -13 | Vertical |
| 2776.87 | -48.23 | -13 | Vertical |
| 3729.85 | -40.29 | -13 | Vertical |
| 6678.61 | -40.22 | -13 | Vertical |
| 9961.47 | -37.40 | -13 | Vertical |
| 17822.16 | -33.88 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.55 | -48.99 | -13 | Vertical |
| 2781.78 | -47.43 | -13 | Vertical |
| 3725.16 | -41.01 | -13 | Vertical |
| 6675.74 | -39.35 | -13 | Vertical |
| 9960.32 | -37.53 | -13 | Vertical |
| 17820.17 | -33.68 | -13 | Vertical |

HSDPA/HSUPA Mode:
Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.22 | -48.55 | -13 | Vertical |
| 2781.35 | -47.03 | -13 | Vertical |
| 3725.70 | -40.87 | -13 | Vertical |
| 6678.12 | -39.71 | -13 | Vertical |
| 9961.70 | -37.73 | -13 | Vertical |
| 17820.16 | -33.69 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2457.88 | -48.88 | -13 | Vertical |
| 2781.38 | -47.42 | -13 | Vertical |
| 3727.39 | -41.01 | -13 | Vertical |
| 6675.75 | -40.07 | -13 | Vertical |
| 9961.90 | -37.13 | -13 | Vertical |
| 17820.44 | -33.64 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.20 | -48.48 | -13 | Vertical |
| 2780.80 | -47.52 | -13 | Vertical |
| 3726.12 | -41.29 | -13 | Vertical |
| 6675.37 | -39.61 | -13 | Vertical |
| 9960.47 | -37.07 | -13 | Vertical |
| 17822.16 | -34.20 | -13 | Vertical |

HSPA+ Mode: (16QAM)
Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.66 | -49.14 | -13 | Vertical |
| 2781.42 | -46.92 | -13 | Vertical |
| 3726.93 | -40.41 | -13 | Vertical |
| 6676.67 | -39.62 | -13 | Vertical |
| 9959.57 | -36.88 | -13 | Vertical |
| 17821.46 | -33.99 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2459.67 | -48.99 | -13 | Vertical |
| 2781.02 | -47.25 | -13 | Vertical |
| 3727.21 | -40.47 | -13 | Vertical |
| 6675.85 | -40.08 | -13 | Vertical |
| 9963.29 | -37.13 | -13 | Vertical |
| 17819.94 | -33.53 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2459.85 | -48.68 | -13 | Vertical |
| 2779.75 | -47.63 | -13 | Vertical |
| 3727.35 | -40.69 | -13 | Vertical |
| 6675.62 | -39.65 | -13 | Vertical |
| 9960.88 | -36.95 | -13 | Vertical |
| 17820.82 | -34.13 | -13 | Vertical |

WCDMA band V

Test result:

WCDMA Mode:

| Frequency (MHz) | Peak ERP (dBm) | Pca Cable loss(dB) | Ga Antenna Gain (dB) | Correction (dB) | Pmea (dBm) | Polarization |
|-----------------|----------------|--------------------|----------------------|-----------------|------------|--------------|
| 826.4 | 24.36 | -3.4 | 8.3 | 2.15 | 21.61 | Vertical |
| 836.6 | 24.10 | -3.4 | 8.3 | 2.15 | 21.35 | Vertical |
| 846.6 | 25.01 | -3.4 | 8.3 | 2.15 | 22.26 | Vertical |

HSDPA/HSUPA Mode:

| Frequency (MHz) | Peak ERP (dBm) | Pca Cable loss(dB) | Ga Antenna Gain (dB) | Correction (dB) | Pmea (dBm) | Polarization |
|-----------------|----------------|--------------------|----------------------|-----------------|------------|--------------|
| 826.4 | 24.75 | -3.4 | 8.3 | 2.15 | 22.00 | Vertical |
| 836.6 | 24.46 | -3.4 | 8.3 | 2.15 | 21.71 | Vertical |
| 846.6 | 23.95 | -3.4 | 8.3 | 2.15 | 21.20 | Vertical |

HSPA+ Mode: (16QAM)

| Frequency (MHz) | Peak ERP (dBm) | Pca Cable loss(dB) | Ga Antenna Gain (dB) | Correction (dB) | Pmea (dBm) | Polarization |
|-----------------|----------------|--------------------|----------------------|-----------------|------------|--------------|
| 826.4 | 23.48 | -3.4 | 8.3 | 2.15 | 20.73 | Vertical |
| 836.6 | 23.68 | -3.4 | 8.3 | 2.15 | 20.93 | Vertical |
| 846.6 | 23.06 | -3.4 | 8.3 | 2.15 | 20.31 | Vertical |

Test result:
WCDMA Mode:

Channel 4132

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1646.58 | -53.40 | -13 | Vertical |
| 1665.04 | -51.32 | -13 | Vertical |
| 2534.48 | -44.44 | -13 | Vertical |
| 2575.86 | -44.34 | -13 | Vertical |
| 8962.39 | -39.53 | -13 | Vertical |
| 9971.22 | -36.30 | -13 | Vertical |

Channel 4183

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1650.03 | -52.94 | -13 | Vertical |
| 1668.57 | -51.17 | -13 | Vertical |
| 2536.11 | -44.33 | -13 | Vertical |
| 2575.80 | -43.96 | -13 | Vertical |
| 8963.66 | -39.14 | -13 | Vertical |
| 9971.12 | -36.17 | -13 | Vertical |

Channel 4233

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1649.53 | -52.81 | -13 | Vertical |
| 1665.27 | -50.87 | -13 | Vertical |
| 2534.13 | -44.49 | -13 | Vertical |
| 2576.68 | -44.15 | -13 | Vertical |
| 8963.92 | -39.42 | -13 | Vertical |
| 9973.19 | -36.43 | -13 | Vertical |

HSDPA/HSUPA Mode:

Channel 4132

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1648.39 | -52.80 | -13 | Vertical |
| 1665.24 | -51.10 | -13 | Vertical |
| 2533.60 | -44.53 | -13 | Vertical |
| 2578.28 | -44.27 | -13 | Vertical |
| 8962.02 | -39.69 | -13 | Vertical |
| 9972.92 | -36.74 | -13 | Vertical |

Channel 4183

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1646.68 | -53.01 | -13 | Vertical |
| 1664.78 | -51.23 | -13 | Vertical |
| 2536.15 | -44.00 | -13 | Vertical |
| 2575.39 | -44.46 | -13 | Vertical |
| 8964.19 | -39.50 | -13 | Vertical |
| 9970.61 | -36.73 | -13 | Vertical |

Channel 4233

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1648.39 | -53.26 | -13 | Vertical |
| 1666.90 | -51.01 | -13 | Vertical |
| 2535.34 | -44.58 | -13 | Vertical |
| 2576.72 | -44.00 | -13 | Vertical |
| 8962.13 | -39.79 | -13 | Vertical |
| 9970.41 | -36.51 | -13 | Vertical |

HSPA+ Mode: (16QAM)

Channel 4132

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1648.45 | -52.95 | -13 | Vertical |
| 1667.15 | -51.59 | -13 | Vertical |
| 2535.83 | -44.53 | -13 | Vertical |
| 2578.94 | -44.13 | -13 | Vertical |
| 8963.92 | -39.23 | -13 | Vertical |
| 9973.38 | -36.23 | -13 | Vertical |

Channel 4183

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1649.31 | -52.59 | -13 | Vertical |
| 1668.22 | -51.60 | -13 | Vertical |
| 2534.73 | -44.26 | -13 | Vertical |
| 2577.55 | -43.93 | -13 | Vertical |
| 8962.31 | -40.01 | -13 | Vertical |
| 9973.61 | -36.77 | -13 | Vertical |

Channel 4233

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1648.58 | -52.62 | -13 | Vertical |
| 1668.21 | -50.94 | -13 | Vertical |
| 2535.85 | -44.47 | -13 | Vertical |
| 2577.70 | -44.21 | -13 | Vertical |
| 8961.21 | -39.07 | -13 | Vertical |
| 9970.40 | -36.06 | -13 | Vertical |

---End of Test Report---