



Appendix B. Test Results of Radiated Test

ERP/EIRP

| Cellular Band ($G_T - L_C = 1.00$ dB) | | | |
|--|-----------------------------|-----------|-------------|
| Modes | WCDMA Band V (RMC 12.2Kbps) | | |
| Channel | 4132 (Low) | 4182(Mid) | 4233 (High) |
| Frequency (MHz) | 826.4 | 836.4 | 846.6 |
| Conducted Power (dBm) | 22.69 | 22.46 | 22.8 |
| Conducted Power (Watts) | 0.19 | 0.18 | 0.19 |
| EIRP(dBm) | 21.54 | 21.31 | 21.65 |
| EIRP(Watts) | 0.1426 | 0.1352 | 0.1462 |

| PCS Band ($G_T - L_C = 2.00$ dB) | | | |
|-----------------------------------|------------------------------|------------|-------------|
| Modes | WCDMA Band II (RMC 12.2Kbps) | | |
| Channel | 9262 (Low) | 9400 (Mid) | 9538 (High) |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 |
| Conducted Power (dBm) | 22.53 | 22.56 | 22.06 |
| Conducted Power (Watts) | 0.18 | 0.18 | 0.16 |
| EIRP(dBm) | 24.53 | 24.56 | 24.06 |
| EIRP(Watts) | 0.2838 | 0.2858 | 0.2547 |



| AWS Band ($G_T - L_C = 2.00$ dB) | | | |
|-----------------------------------|------------------------------|------------|-------------|
| Modes | WCDMA Band IV (RMC 12.2Kbps) | | |
| Channel | 1312 (Low) | 1413 (Mid) | 1513 (High) |
| Frequency (MHz) | 1712.4 | 1732.6 | 1752.6 |
| Conducted Power (dBm) | 22.4 | 22.36 | 22.85 |
| Conducted Power (Watts) | 0.17 | 0.17 | 0.19 |
| EIRP(dBm) | 24.4 | 24.36 | 24.85 |
| EIRP(Watts) | 0.2754 | 0.2729 | 0.3055 |



Radiated Spurious Emission

| WCDMA Band V(RMC 12.2Kbps) | | | | | | | | | |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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) |
| Lowest | 1656 | -56.69 | -13 | -43.69 | -65.18 | -58.42 | 0.98 | 4.86 | H |
| | 2488 | -63.08 | -13 | -50.08 | -75.16 | -65.01 | 1.29 | 5.36 | H |
| | 3312 | -60.18 | -13 | -47.18 | -75.63 | -63.66 | 1.55 | 7.17 | H |
| | 1656 | -59.10 | -13 | -46.10 | -65.51 | -60.83 | 0.98 | 4.86 | V |
| | 2484 | -60.57 | -13 | -47.57 | -74.81 | -62.49 | 1.29 | 5.35 | V |
| | 3312 | -60.90 | -13 | -47.90 | -75.28 | -64.38 | 1.55 | 7.17 | V |
| Middle | 1672 | -51.37 | -13 | -38.37 | -60.74 | -53.05 | 0.99 | 4.82 | H |
| | 2512 | -61.29 | -13 | -48.29 | -74.56 | -63.26 | 1.29 | 5.41 | H |
| | 3344 | -59.01 | -13 | -46.01 | -75.43 | -62.62 | 1.56 | 7.31 | H |
| | 1672 | -53.78 | -13 | -40.78 | -61.17 | -55.46 | 0.99 | 4.82 | V |
| | 2512 | -59.24 | -13 | -46.24 | -74.65 | -61.21 | 1.29 | 5.41 | V |
| | 3344 | -60.39 | -13 | -47.39 | -75.57 | -64 | 1.56 | 7.31 | V |
| Highest | 1696 | -52.52 | -13 | -39.52 | -62 | -54.12 | 1.00 | 4.75 | H |
| | 2544 | -61.11 | -13 | -48.11 | -74.83 | -63.09 | 1.30 | 5.44 | H |
| | 3392 | -59.07 | -13 | -46.07 | -75.46 | -62.87 | 1.57 | 7.52 | H |
| | 1696 | -54.89 | -13 | -41.89 | -62.67 | -56.49 | 1.00 | 4.75 | V |
| | 2544 | -59.13 | -13 | -46.13 | -74.5 | -61.11 | 1.30 | 5.44 | V |
| | 3392 | -59.64 | -13 | -46.64 | -75.63 | -63.44 | 1.57 | 7.52 | V |

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



| WCDMA Band II(RMC 12.2Kbps) | | | | | | | | | |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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) |
| Lowest | 3707 | -50.91 | -13 | -37.91 | -68.56 | -57.49 | 1.67 | 8.25 | H |
| | 5562 | -54.33 | -13 | -41.33 | -77 | -61.39 | 2.66 | 9.72 | H |
| | 7417 | -48.64 | -13 | -35.64 | -76.38 | -57.82 | 2.46 | 11.63 | H |
| | 3707 | -46.12 | -13 | -33.12 | -63.66 | -52.7 | 1.67 | 8.25 | V |
| | 5562 | -55.78 | -13 | -42.78 | -76.91 | -62.84 | 2.66 | 9.72 | V |
| | 7417 | -49.53 | -13 | -36.53 | -76.58 | -58.71 | 2.46 | 11.63 | V |
| Middle | 3756 | -51.37 | -13 | -38.37 | -69.39 | -57.99 | 1.68 | 8.31 | H |
| | 5634 | -54.52 | -13 | -41.52 | -77.24 | -61.57 | 2.70 | 9.75 | H |
| | 7515 | -48.67 | -13 | -35.67 | -76.38 | -58.05 | 2.42 | 11.81 | H |
| | 3756 | -46.82 | -13 | -33.82 | -64.44 | -53.44 | 1.68 | 8.31 | V |
| | 5634 | -55.86 | -13 | -42.86 | -76.95 | -62.91 | 2.70 | 9.75 | V |
| | 7515 | -49.26 | -13 | -36.26 | -76.6 | -58.64 | 2.42 | 11.81 | V |
| Highest | 3819 | -50.01 | -13 | -37.01 | -68.6 | -56.69 | 1.70 | 8.38 | H |
| | 5728.5 | -54.09 | -13 | -41.09 | -77.21 | -61.12 | 2.76 | 9.79 | H |
| | 7641 | -49.35 | -13 | -36.35 | -76.76 | -58.85 | 2.38 | 11.88 | H |
| | 3819 | -46.45 | -13 | -33.45 | -64.14 | -53.13 | 1.70 | 8.38 | V |
| | 5730 | -54.79 | -13 | -41.79 | -76.93 | -61.82 | 2.76 | 9.79 | V |
| | 7641 | -49.95 | -13 | -36.95 | -76.89 | -59.45 | 2.38 | 11.88 | V |

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



| WCDMA Band IV(RMC 12.2Kbps) | | | | | | | | | |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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) |
| Lowest | 3427 | -59.27 | -13 | -46.27 | -74.97 | -65.37 | 1.58 | 7.68 | H |
| | 5142 | -54.57 | -13 | -41.57 | -76.32 | -61.85 | 2.42 | 9.70 | H |
| | 6857 | -51.09 | -13 | -38.09 | -77.06 | -59.08 | 2.64 | 10.63 | H |
| | 3427 | -55.35 | -13 | -42.35 | -70.73 | -61.45 | 1.58 | 7.68 | V |
| | 5142 | -55.61 | -13 | -42.61 | -76.61 | -62.89 | 2.42 | 9.70 | V |
| | 6857 | -51.43 | -13 | -38.43 | -77.06 | -59.42 | 2.64 | 10.63 | V |
| Middle | 3462 | -57.42 | -13 | -44.42 | -73.41 | -63.66 | 1.59 | 7.83 | H |
| | 5191 | -55.12 | -13 | -42.12 | -76.84 | -62.37 | 2.45 | 9.70 | H |
| | 6927 | -50.63 | -13 | -37.63 | -76.87 | -58.73 | 2.61 | 10.71 | H |
| | 3462 | -54.28 | -13 | -41.28 | -70.19 | -60.52 | 1.59 | 7.83 | V |
| | 5191 | -55.11 | -13 | -42.11 | -76.33 | -62.36 | 2.45 | 9.70 | V |
| | 6927 | -50.76 | -13 | -37.76 | -76.79 | -58.86 | 2.61 | 10.71 | V |
| Highest | 3504 | -58.10 | -13 | -45.10 | -74.37 | -64.5 | 1.61 | 8.00 | H |
| | 5254 | -55.22 | -13 | -42.22 | -76.86 | -62.44 | 2.48 | 9.70 | H |
| | 7011 | -50.20 | -13 | -37.20 | -76.76 | -58.44 | 2.59 | 10.82 | H |
| | 3504 | -55.21 | -13 | -42.21 | -71.64 | -61.61 | 1.61 | 8.00 | V |
| | 5254 | -55.12 | -13 | -42.12 | -77.03 | -62.34 | 2.48 | 9.70 | V |
| | 7011 | -50.12 | -13 | -37.12 | -76.67 | -58.36 | 2.59 | 10.82 | V |

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