4.0 MEASUREMENT SUMMARY

The measurement results were obtained with the EUT tested in the conditions described in this report. Detailed measurement data and plots showing the maximum SAR location of the EUT are reported in Appendix A.

PCS CDMA HEAD SAR MEASUREMENT RESULTS - Left Head Section

Freq. (MHz)	Channel	Modulation	Cond. Power Before (dBm)	Cond. Power After (dBm)	Battery Type	Antenna Position	Phantom Section	Test Position	SAR 1g (w/kg)
1880.00	600	PCS CDMA	24.54	24.45	Extended	Retracted	Left Ear	Cheek/Touch	0.938
1880.00	600	PCS CDMA	24.55	24.41	Extended	Extended	Left Ear	Cheek/Touch	0.303
1880.00	600	PCS CDMA	24.51	24.47	Standard	Retracted	Left Ear	Cheek/Touch	0.952
1880.00	600	PCS CDMA	24.57	24.48	Standard	Extended	Left Ear	Cheek/Touch	0.321
1851.25	25	PCS CDMA	24.53	24.42	Standard	Retracted	Left Ear	Cheek/Touch	1.07
1851.25	25	PCS CDMA	24.56	24.56	Standard	Extended	Left Ear	Cheek/Touch	0.258
1908.75	1175	PCS CDMA	24.58	24.44	Standard	Retracted	Left Ear	Cheek/Touch	0.850
1908.75	1175	PCS CDMA	24.53	24.38	Standard	Extended	Left Ear	Cheek/Touch	0.346
1880.00	600	PCS CDMA	24.57	24.56	Standard	Retracted	Left Ear	Ear/Tilt	0.201
1880.00	600	PCS CDMA	24.52	24.53	Standard	Extended	Left Ear	Ear/Tilt	0.0874
Mixture Type: 1880MHz Brain Dielectric Constant: 39.2 Conductivity: 1.48 (Measured)				**ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak - Uncontrolled Exposure / General Population BRAIN: 1.6 W/kg (averaged over 1 gram)**					

Notes:

1. Test Date(s): January 30, 2002.
2. The SAR values measured were below the maximum limit of 1.6 w/kg (averaged over 1 gram).
3. The highest PCS CDMA head SAR value measured (left head section) was 1.07 w/kg (low channel, cheek/touch position, antenna retracted, standard battery).
4. The EUT was tested with the clamshell open, which is the only ear-held operating configuration for this phone.
5. Ambient TEMPERATURE: 22.2°C
   Relative HUMIDITY: 31.0 %
   Atmospheric PRESSURE: 102.269 kPa
   Fluid TEMPERATURE: ≈ 23 °C
6. During the entire test the conducted power was maintained to within 5% of the initial conducted power.
7. Standard Battery: 550mAh
   Extended Battery: 950mAh

MEASUREMENT SUMMARY (CONT.)

PCS CDMA HEAD SAR MEASUREMENT RESULTS - Right Head Section

Freq. (MHz)	Channel	Modulation	Cond. Power Before (dBm)	Cond. Power After (dBm)	Battery Type	Antenna Position	Phantom Section	Test Position	SAR 1g (w/kg)
1880.00	600	PCS CDMA	24.52	24.39	Extended	Retracted	Right Ear	Cheek/Touch	1.13
1880.00	600	PCS CDMA	24.52	24.41	Extended	Extended	Right Ear	Cheek/Touch	0.119
1880.00	600	PCS CDMA	24.51	24.45	Standard	Retracted	Right Ear	Cheek/Touch	1.14
1880.00	600	PCS CDMA	24.51	24.39	Standard	Extended	Right Ear	Cheek/Touch	0.366
1851.25	25	PCS CDMA	24.50	24.53	Standard	Retracted	Right Ear	Cheek/Touch	1.31
1851.25	25	PCS CDMA	24.52	24.45	Standard	Extended	Right Ear	Cheek/Touch	0.283
1908.75	1175	PCS CDMA	24.51	24.37	Standard	Retracted	Right Ear	Cheek/Touch	0.946
1908.75	1175	PCS CDMA	24.53	24.42	Standard	Extended	Right Ear	Cheek/Touch	0.136
1880.00	600	PCS CDMA	24.54	24.37	Standard	Retracted	Right Ear	Ear/Tilt	0.231
1880.00	600	PCS CDMA	24.55	24.54	Standard	Extended	Right Ear	Ear/Tilt	0.105
Mixture Type: 1880MHz Brain Dielectric Constant: 39.2 Conductivity: 1.48 (Measured)				**ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak - Uncontrolled Exposure / General Population BRAIN: 1.6 W/kg (averaged over 1 gram)**					

Notes:

1. Test Date(s): January 30, 2002.
2. The SAR values measured were below the maximum limit of 1.6 w/kg (averaged over 1 gram).
3. The highest PCS CDMA head SAR value measured (right head section) was 1.31 w/kg (low channel, cheek/touch position, antenna retracted, standard battery).
4. The EUT was tested with the clamshell open, which is the only ear-held operating configuration for this phone.
5. Ambient TEMPERATURE: 22.2 °C
   Relative HUMIDITY: 31.0 %
   Atmospheric PRESSURE: 102.269 kPa
   Fluid TEMPERATURE: ≈ 23.0 °C
6. During the entire test the conducted power was maintained to within 5% of the initial conducted power.
7. Standard Battery: 550mAh
   Extended Battery: 950mAh

MEASUREMENT SUMMARY (CONT.)

PCS CDMA BODY SAR MEASUREMENT RESULTS

Freq. (MHz)	Channel	Modulation	Cond. Power Before (dBm)	Cond. Power After (dBm)	Battery Type	Antenna Position	Phantom Section	Separation Distance (cm)	SAR 1g (w/kg)
1880.00	600	PCS CDMA	24.51	24.40	Extended	Retracted	Planar	1.5	0.252
1880.00	600	PCS CDMA	24.53	24.36	Extended	Extended	Planar	1.5	1.02
1880.00	600	PCS CDMA	24.52	24.53	Standard	Retracted	Planar	1.5	0.400
1880.00	600	PCS CDMA	24.55	24.38	Standard	Extended	Planar	1.5	1.25
1851.25	25	PCS CDMA	24.54	24.40	Standard	Extended	Planar	1.5	1.07
1908.75	1175	PCS CDMA	24.50	24.32	Standard	Extended	Planar	1.5	1.01
Mixture Type: 1880MHz Body Dielectric Constant: 54.8 Conductivity: 1.63 (Measured)				**ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak - Uncontrolled Exposure / General Population BODY: 1.6 W/kg (averaged over 1 gram)**					

Notes:

1. Test Date(s): February 01, 2002.
2. The body SAR values measured were below the maximum limit of 1.6 w/kg (averaged over 1 gram).
3. The highest PCS CDMA body SAR value measured was 1.15 w/kg (mid channel, antenna extended, standard battery).
4. The EUT was tested for body SAR with ear-microphone connected.
5. The EUT was tested for body SAR with the clamshell closed, which is the only intended body-worn operating configuration for this phone. A 1.5cm separation distance was maintained between the back of the phone and the outer surface of the planar phantom.
6. Ambient TEMPERATURE: 24.4 °C
   Relative HUMIDITY: 31.0 %
   Atmospheric PRESSURE: 102.27 kPa
   Fluid TEMPERATURE: ≈ 23.0 °C
7. During the entire test the conducted power was maintained to within 5% of the initial conducted power.
8. Standard Battery: 550mAh
   Extended Battery: 950mAh