

13.1 SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type: Brain
 Dielectric Constant: 41.4
 Conductivity: 0.90
 Liquid Depth: 15.1 cm

Closest Distance (between E-Probe & Antenna): 1.3 cm

13.2 Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
824.04	991	AMPS	24.3	24.3	Left Tilt	IN	0.6631
824.04	991	AMPS	24.3	24.3	Left Tilt	OUT	0.8818
836.49	383	AMPS	24.3	24.3	Left Tilt	IN	0.7577
836.49	383	AMPS	24.3	24.3	Left Tilt	OUT	0.8145
848.97	799	AMPS	24.3	24.3	Left Tilt	IN	0.5049
848.97	799	AMPS	24.3	24.3	Left Tilt	OUT	0.6818

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand


 Randy Ortanez
 President

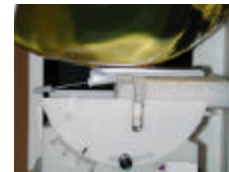


Fig. 14
 Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.4
Conductivity:	0.90
Liquid Depth:	15.1 cm


Closest Distance (between E-Probe & Antenna): 1.3 cm

13.3 Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
824.04	991	AMPS	24.3	24.3	Right Tilt	IN	0.5191
824.04	991	AMPS	24.3	24.3	Right Tilt	OUT	0.9325
836.49	383	AMPS	24.3	24.3	Right Tilt	IN	0.6621
836.49	383	AMPS	24.3	24.3	Right Tilt	OUT	0.7800
848.97	799	AMPS	24.3	24.3	Right Tilt	IN	0.6816
848.97	799	AMPS	24.3	24.3	Right Tilt	OUT	0.7345
824.04	991	AMPS	24.3	24.3	Right Tilt	OUT	0.9255*

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand
- * Extended Battery Measurement


 Randy Ortanez
 President

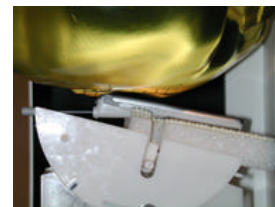


Fig. 15
 Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.4
Conductivity:	0.90
Liquid Depth:	15.2

Closest Distance (between E-Probe & Antenna): 1.3 cm

13.4 Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
824.04	991	AMPS	24.3	24.3	Left Cheek	IN	0.8873
824.04	991	AMPS	24.3	24.3	Left Cheek	OUT	0.9260
836.49	383	AMPS	24.3	24.3	Left Cheek	IN	0.7319
836.49	383	AMPS	24.3	24.3	Left Cheek	OUT	0.7903
848.97	799	AMPS	24.3	24.3	Left Cheek	IN	0.6543
848.97	799	AMPS	24.3	24.3	Left Cheek	OUT	0.7199
824.04	991	AMPS	24.3	24.3	Left Cheek	OUT	0.8755*

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand
- * Extended Battery Measurement



 Randy Ortanez
 President



Fig. 16
 Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.4
Conductivity:	0.90
Liquid Depth:	15.2

Closest Distance (between E-Probe & Antenna): 1.3 cm

13.5 Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
824.04	991	AMPS	24.3	24.3	Right Cheek	IN	0.6169
824.04	991	AMPS	24.3	24.3	Right Cheek	OUT	0.8314
836.49	383	AMPS	24.3	24.3	Right Cheek	IN	0.7754
836.49	383	AMPS	24.3	24.3	Right Cheek	OUT	0.7010
848.97	799	AMPS	24.3	24.3	Right Cheek	IN	0.7458
848.97	799	AMPS	24.3	24.3	Right Cheek	OUT	0.6171

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand



 Randy Ortanez
 President



Fig. 17
 Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type: Brain

Dielectric Constant: 40.3

Conductivity: 1.60

Liquid Depth: 15.2 cm

Closest Distance (between E-Probe & Antenna): 1.3 cm

13.6 Measurement Results (PCS CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
1851.25	25	CDMA	22.2	22.2	Right Tilt	IN	1.2565
1851.25	25	CDMA	22.2	22.2	Right Tilt	OUT	1.4657
1880.00	600	CDMA	22.2	22.2	Right Tilt	IN	0.9098
1880.00	600	CDMA	22.2	22.2	Right Tilt	OUT	1.2948
1908.75	1175	CDMA	22.2	22.2	Right Tilt	IN	0.8399
1908.75	1175	CDMA	22.2	22.2	Right Tilt	OUT	0.9331
1851.25	25	CDMA	22.2	22.2	Right Tilt	OUT	1.4597

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand


 Randy Ortanez
 President

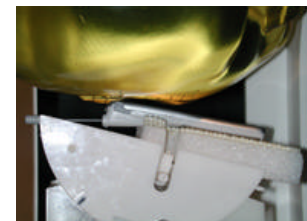


Fig. 18
 Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type: Brain

Dielectric Constant: 40.3

Conductivity: 1.60

Liquid Depth: 15.2 cm

Closest Distance (between E-Probe & Antenna): 1.3 cm

13.7 Measurement Results (PCS CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
1851.25	25	CDMA	22.2	22.2	Left Tilt	IN	1.0490
1851.25	25	CDMA	22.2	22.2	Left Tilt	OUT	1.2562
1880.00	600	CDMA	22.2	22.2	Left Tilt	IN	1.1276
1880.00	600	CDMA	22.2	22.2	Left Tilt	OUT	1.1979
1908.75	1175	CDMA	22.2	22.2	Left Tilt	IN	0.9054
1908.75	1175	CDMA	22.2	22.2	Left Tilt	OUT	0.9189

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand


 Randy Ortanez
 President



Fig. 19
 Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type: Brain

Dielectric Constant: 40.4

Conductivity: 1.60

Liquid Depth: 15.0 cm

Closest Distance (between E-Probe & Antenna): 1.3 cm

13.8 Measurement Results (PCS CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
1851.25	25	CDMA	22.2	22.2	Right Cheek	IN	1.2204
1851.25	25	CDMA	22.2	22.2	Right Cheek	OUT	0.7945
1880.00	600	CDMA	22.2	22.2	Right Cheek	IN	1.0209
1880.00	600	CDMA	22.2	22.2	Right Cheek	OUT	0.7141
1908.75	1175	CDMA	22.2	22.2	Right Cheek	IN	0.9660
1908.75	1175	CDMA	22.2	22.2	Right Cheek	OUT	0.5770

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand


 Randy Ortanez
 President

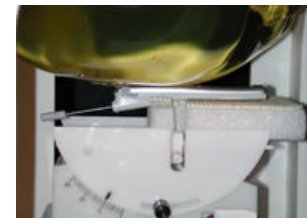


Fig. 20
 Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.2
Liquid TEMPERATURE (°C)	21.2
Relative HUMIDITY (%)	40.0
Atmospheric PRESSURE (kPa)	101.2

Measured Values:

Mixture Type: Brain

Dielectric Constant: 40.4

Conductivity: 1.60

Liquid Depth: 15.0 cm

Closest Distance (between E-Probe & Antenna): 1.3 cm

13.9 Measurement Results (PCS CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHZ	CH		Start	End			
1851.25	25	CDMA	22.2	22.2	Left Cheek	IN	0.7045
1851.25	25	CDMA	22.2	22.2	Left Cheek	OUT	0.4839
1880.00	600	CDMA	22.2	22.2	Left Cheek	IN	0.6379
1880.00	600	CDMA	22.2	22.2	Left Cheek	OUT	0.4398
1908.75	1175	CDMA	22.2	22.2	Left Cheek	IN	0.5156
1908.75	1175	CDMA	22.2	22.2	Left Cheek	OUT	0.3479

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Power Measured Conducted EIRP ERP
- SAR Measurement System SPEAG IDX
- SAR Configuration Head Body Hand


 Randy Ortanez
 President

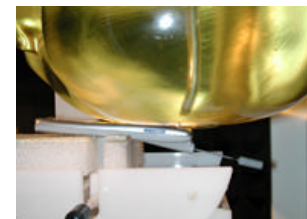


Fig. 21
 Head SAR Test Setup