

13.1 SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	23.1
Relative HUMIDITY (%)	59.5
Atmospheric PRESSURE (kPa)	99.0

Mixture Type: 835MHz Brain

Dielectric Constant: 41.5

Conductivity: 0.90

Closest Distance (between E-Probe & EUT Antenna): 1.6 cm

13.2 Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)	Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.					
824.04	0991	AMPS	27.0 [Standard Battery]	Left Ear	In	0.655
824.04	0991	AMPS	27.0 [Standard Battery]	Left Ear	Out	0.426
836.49	0383	AMPS	27.0 [Standard Battery]	Left Ear	In	0.649
836.49	0383	AMPS	27.0 [Standard Battery]	Left Ear	Out	0.454
848.97	0799	AMPS	27.0 [Standard Battery]	Left Ear	In	0.895
848.97	0799	AMPS	27.0 [Standard Battery]	Left Ear	Out	0.575
848.97	0799	AMPS	27.0 [Extended Battery]	Left Ear	In	0.825
848.97	0799	AMPS	27.0 [Extended Battery]	Left Ear	Out	0.550
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Brain 1.6 W/kg (mW/g) averaged over 1 gram		

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 Type ☒ Standard ☒ Extended
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


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Figure 17. Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	23.1
Relative HUMIDITY (%)	59.5
Atmospheric PRESSURE (kPa)	99.0

Mixture Type: 835MHz Brain

Dielectric Constant: 41.5

Conductivity: 0.90

Closest Distance (between E-Probe & EUT Antenna): 1.6 cm

13.3 Measurement Results (Cellular CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)	Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.					
824.70	1013	CDMA	25.0 [Standard Battery]	Left Ear	In	0.424
824.70	1013	CDMA	25.0 [Standard Battery]	Left Ear	Out	0.337
836.49	0383	CDMA	25.0 [Standard Battery]	Left Ear	In	0.437
836.49	0383	CDMA	25.0 [Standard Battery]	Left Ear	Out	0.334
848.31	0777	CDMA	25.0 [Standard Battery]	Left Ear	In	0.530
848.31	0777	CDMA	25.0 [Standard Battery]	Left Ear	Out	0.360
848.31	0777	CDMA	25.0 [Extended Battery]	Left Ear	In	0.457
848.31	0777	CDMA	25.0 [Extended Battery]	Left Ear	Out	0.336
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Brain 1.6 W/kg (mW/g) averaged over 1 gram		

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 Type ☒ Standard ☒ Extended
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


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Figure 18. Head SAR Test Setup

13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C)	22.7
Relative HUMIDITY (%)	59.5
Atmospheric PRESSURE (kPa)	99.3

Mixture Type: 1900MHz Brain

Dielectric Constant: 40.4

Conductivity: 1.82

Closest Distance (between E-Probe & EUT Antenna): 1.6 cm

13.4 Measurement Results (PCS CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)	Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.					
1851.25	0025	PCS CDMA	24.5 [Standard Battery]	Left Ear	In	1.340
1851.25	0025	PCS CDMA	24.5 [Standard Battery]	Left Ear	Out	0.648
1880.00	0600	PCS CDMA	24.5 [Standard Battery]	Left Ear	In	1.120
1880.00	0600	PCS CDMA	24.5 [Standard Battery]	Left Ear	Out	0.553
1908.75	1175	PCS CDMA	24.5 [Standard Battery]	Left Ear	In	1.280
1908.75	1175	PCS CDMA	24.5 [Standard Battery]	Left Ear	Out	0.489
1851.25	0025	PCS CDMA	24.5 [Extended Battery]	Left Ear	In	1.280
1851.25	0025	PCS CDMA	24.5 [Extended Battery]	Left Ear	Out	0.617
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Brain 1.6 W/kg (mW/g) averaged over 1 gram		

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 Type ☒ Standard ☒ Extended
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


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Figure 19. Head SAR Test Setup