

13.1 SAR TEST DATA SUMMARY (Continued)

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

Mixture Type: 835MHz Muscle
Dielectric Constant: 56.2
Conductivity: 0.95

13.5 Measurement Results (AMPS Body SAR)

FREQUENCY		Modulation	POWER * (dBm)	Separation Distance (cm)**	Antenna Position	SAR (W/kg)
MHz	Ch.					
824.04	0991	AMPS	27.0 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	In	0.479
824.04	0991	AMPS	27.0 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	Out	0.405
836.49	0383	AMPS	27.0 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	In	0.520
836.49	0383	AMPS	27.0 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	Out	0.452
848.97	0799	AMPS	27.0 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	In	0.708
848.97	0799	AMPS	27.0 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	Out	0.600
848.97	0799	AMPS	27.0 [w/ Extended Battery]	1.5 cm [w/ BeltClip]	In	0.692
848.97	0799	AMPS	27.0 [w/ Extended Battery]	1.5 cm [w/ BeltClip]	Out	0.571
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Body 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Battery Type ☒ Standard ☒ Extended
- * Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☐ Head ☒ Body ☐ Hand
- ** Test Configuration ☒ BeltClip ☐ Without BeltClip


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Figure 20. Body 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:	1900MHz Muscle
Dielectric Constant:	54.2
Conductivity:	1.85

13.7 Measurement Results (PCS CDMA Body SAR)

FREQUENCY		Modulation	POWER * (dBm)	Separation Distance (cm)**	Antenna Position	SAR (W/kg)
MHz	Ch.					
1851.25	0025	PCS CDMA	24.5 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	In	0.275
1851.25	0025	PCS CDMA	24.5 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	Out	0.121
1880.00	0600	PCS CDMA	24.5 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	In	0.240
1880.00	0600	PCS CDMA	24.5 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	Out	0.149
1908.75	1175	PCS CDMA	24.5 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	In	0.204
1908.75	1175	PCS CDMA	24.5 [w/ Standard Battery]	1.5 cm [w/ BeltClip]	Out	0.239
1851.25	0025	PCS CDMA	24.5 [w/ Extended Battery]	1.5 cm [w/ BeltClip]	In	0.249
1851.25	0025	PCS CDMA	24.5 [w/ Extended Battery]	1.5 cm [w/ BeltClip]	Out	0.116
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Body 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Battery Type ☒ Standard ☒ Extended
- * Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☐ Head ☒ Body ☐ Hand
- ** Test Configuration ☒ BeltClip ☐ Without BeltClip


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Figure 22. Body 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 Muscle
Dielectric Constant:	56.2
Conductivity:	0.95

13.8 Measurement Results (AMPS Hand SAR)

FREQUENCY MHz	Ch.	Modulation	POWER * (dBm)	Phantom Position	Antenna Position	SAR (W/kg)
848.97	0799	AMPS	27.0 [w/ Standard Battery]	Flat	In	1.260
848.97	0799	AMPS	27.0 [w/ Standard Battery]	Flat	Out	0.929
848.97	0799	AMPS	27.0 [w/ Extended Battery]	Flat	In	1.200
848.97	0799	AMPS	27.0 [w/ Extended Battery]	Flat	Out	0.823
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Hand 4.0 W/kg (mW/g) averaged over 10 grams		

NOTES:

- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Battery Type ☒ Standard ☒ Extended
- * Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☐ Head ☐ Body ☒ Hand


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Figure 23. Hand 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:	1900MHz Muscle
Dielectric Constant:	54.2
Conductivity:	1.85

13.10 Measurement Results (PCS CDMA Hand SAR)

FREQUENCY		Modulation	POWER * (dBm)	Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.					
1851.25	0025	PCS CDMA	24.5 [w/ Standard Battery]	Flat	In	0.478
1851.25	0025	PCS CDMA	24.5 [w/ Standard Battery]	Flat	Out	0.219
1880.00	0600	PCS CDMA	24.5 [w/ Standard Battery]	Flat	In	0.479
1880.00	0600	PCS CDMA	24.5 [w/ Standard Battery]	Flat	Out	0.625
1908.75	1175	PCS CDMA	24.5 [w/ Standard Battery]	Flat	In	0.445
1908.75	1175	PCS CDMA	24.5 [w/ Standard Battery]	Flat	Out	0.729
1908.75	1175	PCS CDMA	24.5 [w/ Extended Battery]	Flat	In	0.438
1908.75	1175	PCS CDMA	24.5 [w/ Extended Battery]	Flat	Out	0.652
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				Hand 4.0 W/kg (mW/g) averaged over 10 grams		

NOTES:

- All modes of operation were investigated and the worst-case are reported.
- Battery condition is fully charged for all readings.
- Battery Type ☒ Standard ☒ Extended
- * Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☒ SPEAG ☐ IDX
- SAR Configuration ☐ Head ☐ Body ☒ Hand


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Figure 25. Hand SAR Test Setup