

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022**

Communication System: IDEN 800; Frequency: 815.475 MHz; Duty Cycle: 1:3

Medium: 835 Muscle ( $\sigma = 0.99$  mho/m,  $\epsilon_r = 52.58$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

Test Date: 05-04-2005; Ambient Temp: 23.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(7.99, 7.99, 7.99); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body, w/ Holster, Ch.758, Li-Ion Battery, Fixed Ant, +WLAN a 5.8, +BT, +SD card**

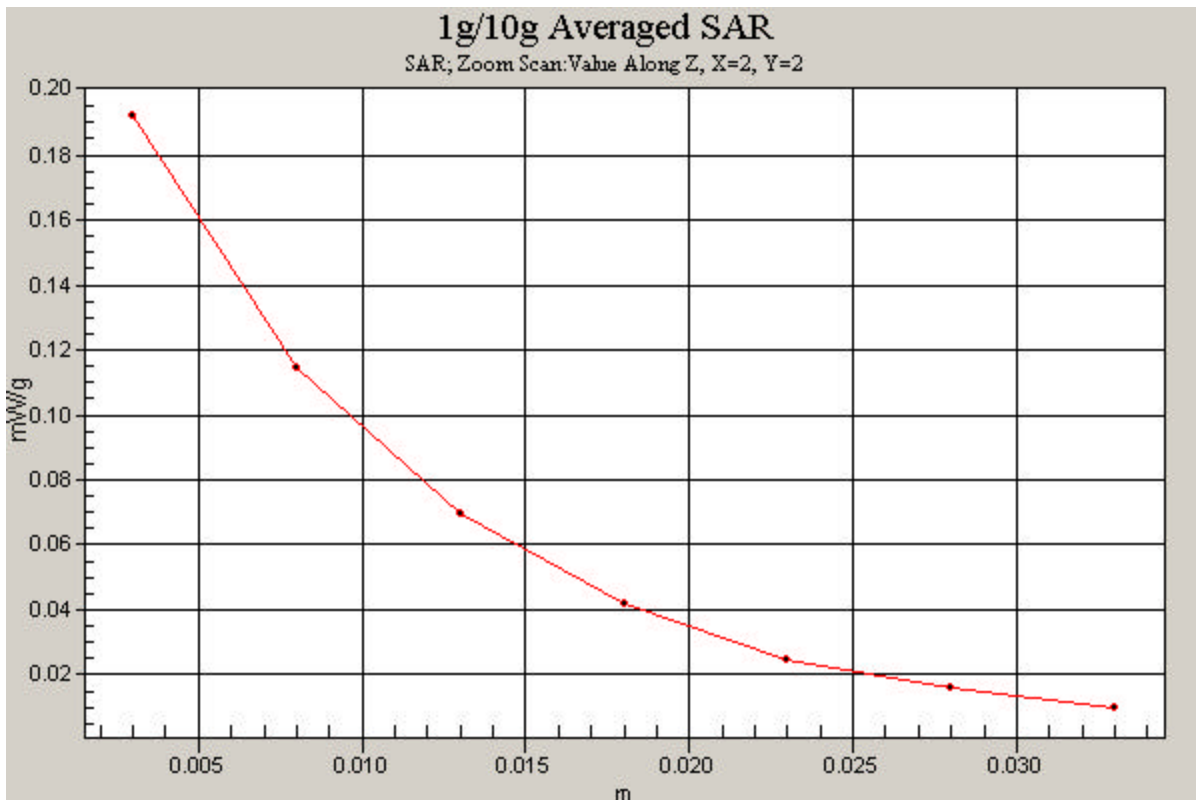
**Area Scan (9x18x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.34 V/m

Peak SAR (extrapolated) = 0.257 W/kg

**SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.116 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022**

Communication System: WIDEN 900; Frequency: 898.994 MHz; Duty Cycle: 1:3

Medium: 900 Muscle ( $\sigma = 1.01$  mho/m,  $\epsilon_r = 53.2$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

Test Date: 07-19-2005; Ambient Temp: 23.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(7.99, 7.99, 7.99); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body, w/ Holster, Ch.239, Li-Ion Battery, Fixed Ant, +WLAN a 5.8, +BT, +SD card**

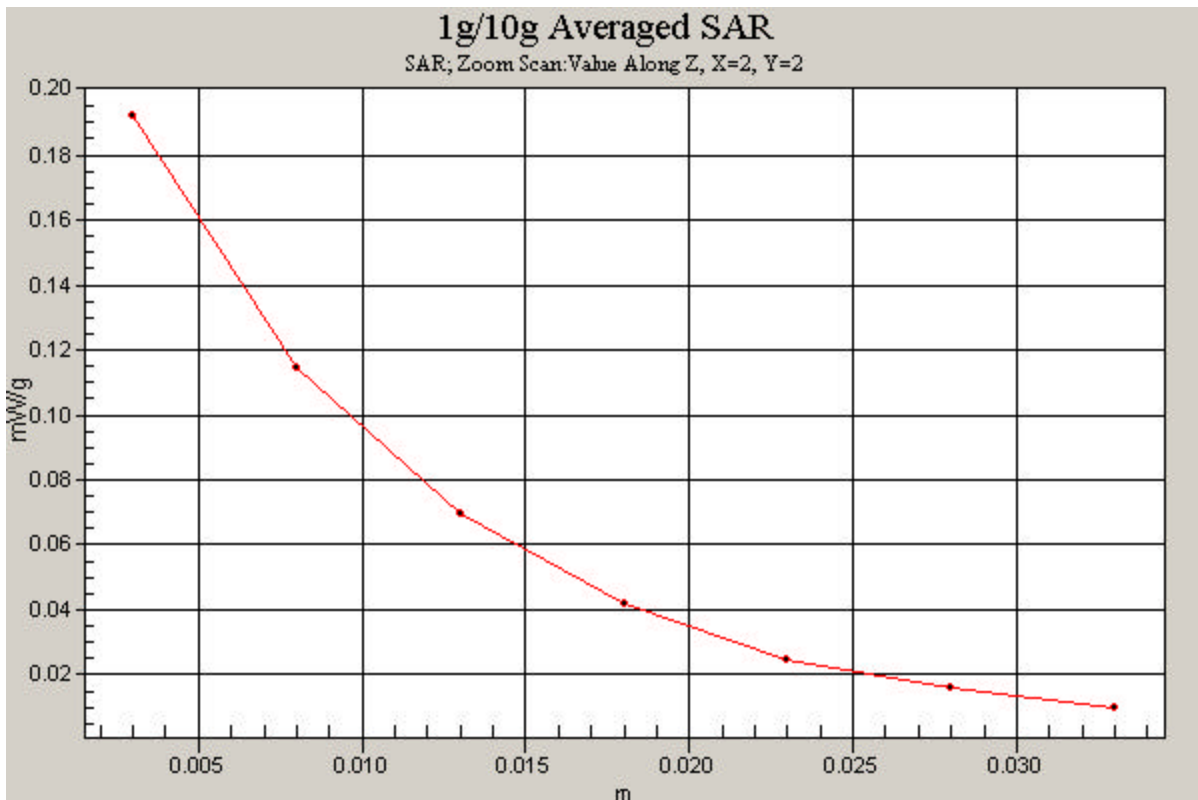
**Area Scan (9x18x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.54 V/m

Peak SAR (extrapolated) = 0.241 W/kg

**SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.107 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: Symbol MC9097-KKTH9EHA7WW; Handheld Terminal; SN: ALP82022**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 Muscle ( $\sigma = 1.95$  mho/m,  $\epsilon_r = 53.64$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

Test Date: 05-09-2005; Ambient Temp: 23.5°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3550; ConvF(6.27, 6.27, 6.27); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body, w/ Holster, Ch.06, 11Mbps, Li-Ion Battery, Aux Ant +BT +SD +Iden 800**

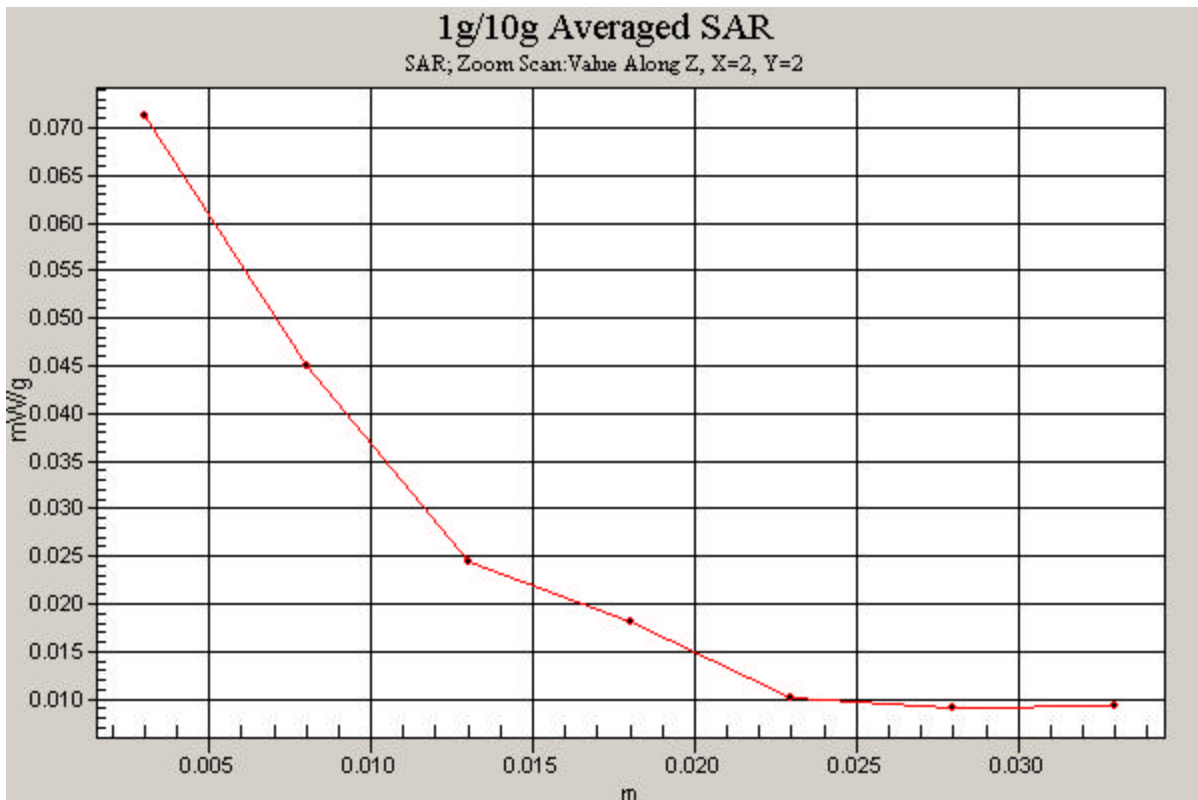
**Area Scan (9x18x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.94 V/m

Peak SAR (extrapolated) = 0.086 W/kg

**SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.042 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SYMBOL MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022**

Communication System: IEEE 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5300 Muscle ( $\sigma = 5.49 \text{ mho/m}$ ,  $\epsilon_r = 47.65$ ,  $\rho = 1000 \text{ kg/m}^3$ )

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

Test Date: 05-10-2005; Ambient Temp: 23.8°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3550; ConvF(3.72, 3.72, 3.72); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body, w/ Holster, Ch.52, 9Mbps, Li Ion Battery, Aux Ant, +BT +SD +Iden 800**

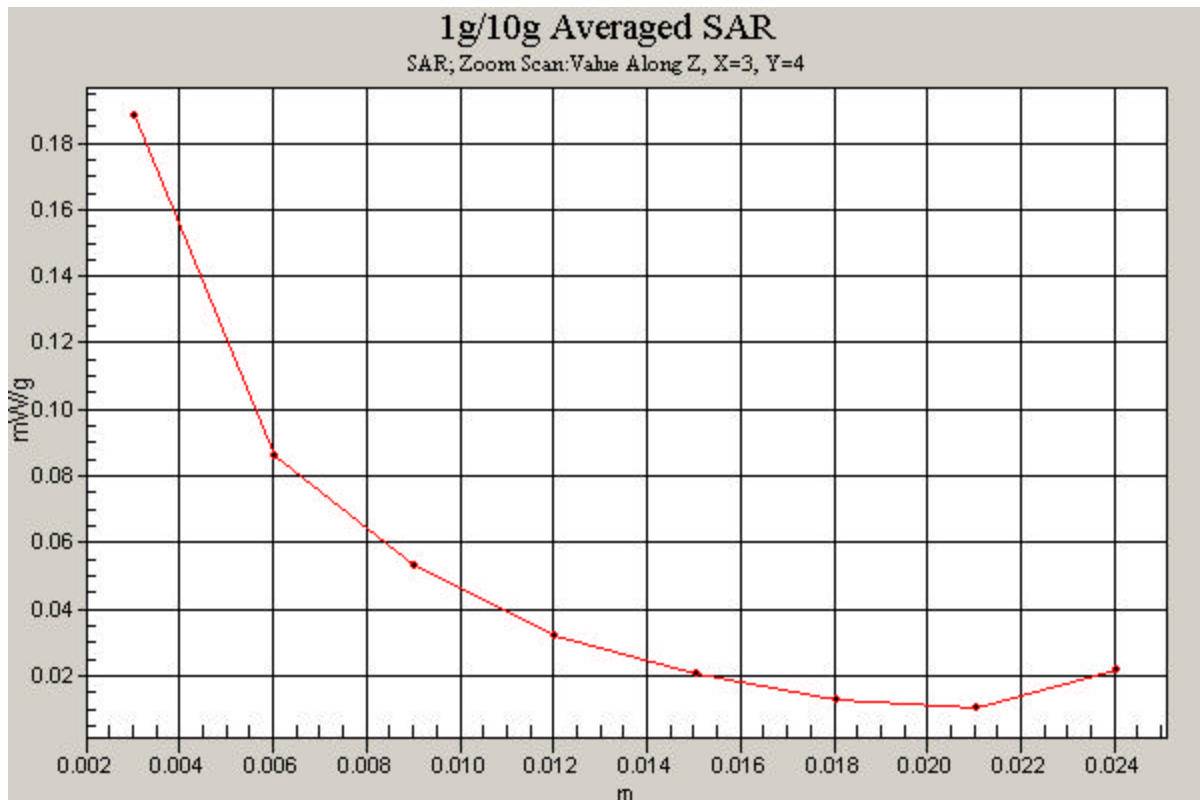
**Area Scan (13x26x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.41 V/m

Peak SAR (extrapolated) = 0.599 W/kg

**SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.072 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5800 Muscle ( $\sigma = 5.98$  mho/m,  $\epsilon_r = 46.74$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

Test Date: 05-10-2005; Ambient Temp: 23.8°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3550; ConvF(3.48, 3.48, 3.48); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body, w/ Holster, Ch.157, 9Mbps, Li-Ion Battery, Aux Ant +BT+SD+Iden 800MHz**

**Area Scan (13x26x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.24 V/m

Peak SAR (extrapolated) = 0.475 W/kg

**SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.042 mW/g**

