

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Mode 1 Left Head Cheek Position



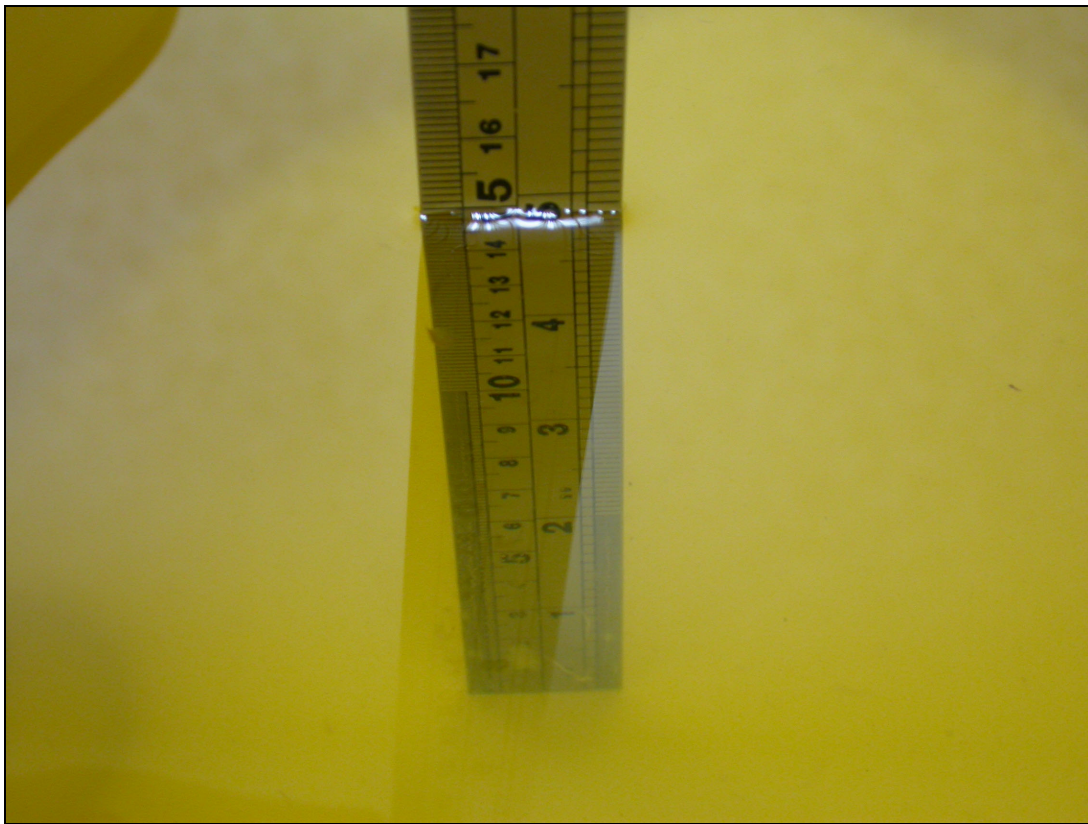
The Bottom of the EUT to the flat phantom distance 0 mm

EUT Photo



Liquid Level Photo

MSL 900MHz D=150mm



Date/Time: 04/15/05 10:20:17

Test Laboratory: Advance Data Technology

SP-922 Mode 1 BodyWorn Bottom 0mm

DUT: Mobile Phone ; Type: SP-922 ; Test Frequency: 902.45 MHz

Communication System: FHSS ; Frequency: 902.45 MHz ; Duty Cycle: 1:1 ; Modulation type: GFSK

Medium: MSL900 Medium parameters used (interpolated): $f = 902.45 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1753 ; ConvF(6.02, 6.02, 6.02) ; Calibrated: 2004/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.4 Build 3 ; Postprocessing SW: SEMCAD, V1.8 Build 130

Low Channel /Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.045 mW/g

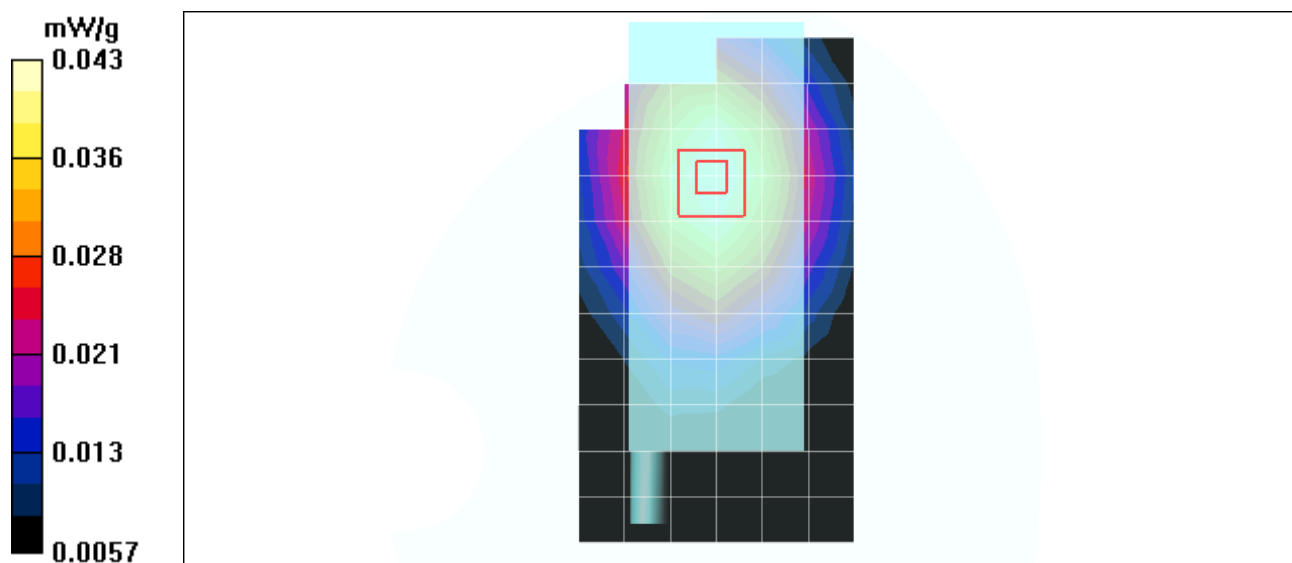
Low Channel /Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.12 V/m

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.043 mW/g



Date/Time: 04/15/05 10:45:23

Test Laboratory: Advance Data Technology

SP-922 Mode 1 BodyWorn Bottom 0mm

DUT: Mobile Phone ; Type: SP-922 ; Test Frequency: 915.09 MHz

Communication System: FHSS ; Frequency: 915.09 MHz ; Duty Cycle: 1:1 ; Modulation type: GFSK

Medium: MSL900 Medium parameters used (interpolated): $f = 915.09 \text{ MHz}$; $\sigma = 1.04 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1753 ; ConvF(6.02, 6.02, 6.02) ; Calibrated: 2004/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.4 Build 3 ; Postprocessing SW: SEMCAD, V1.8 Build 130

Middle Channel /Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.048 mW/g

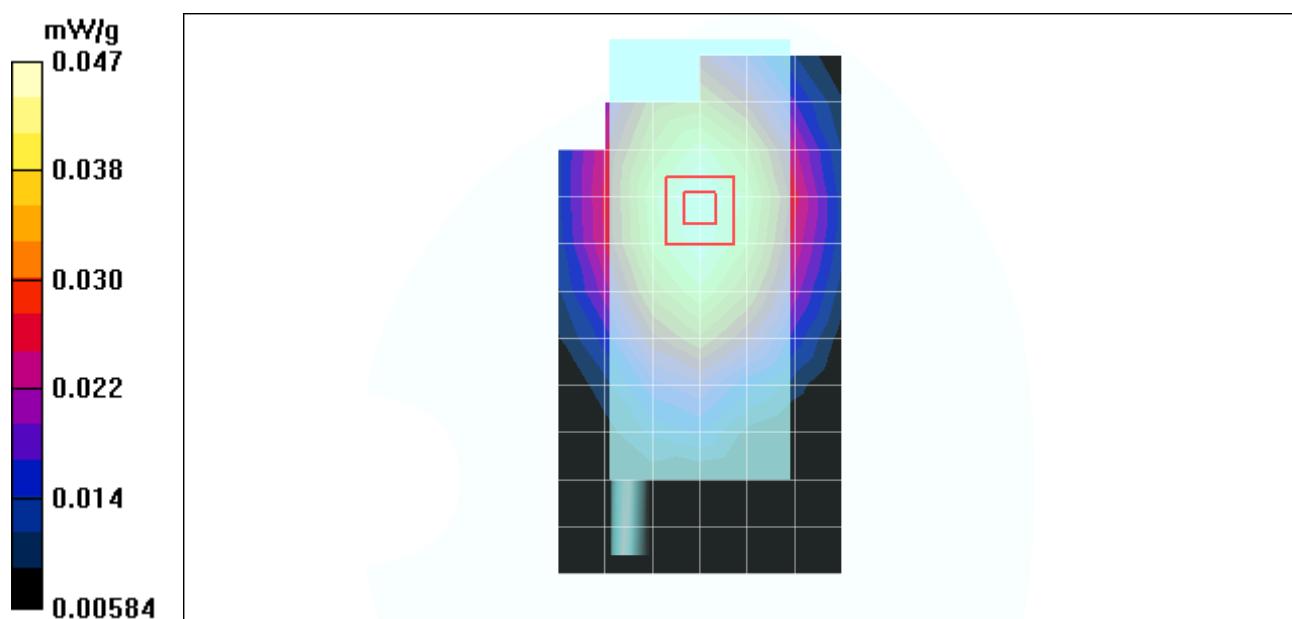
Middle Channel /Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

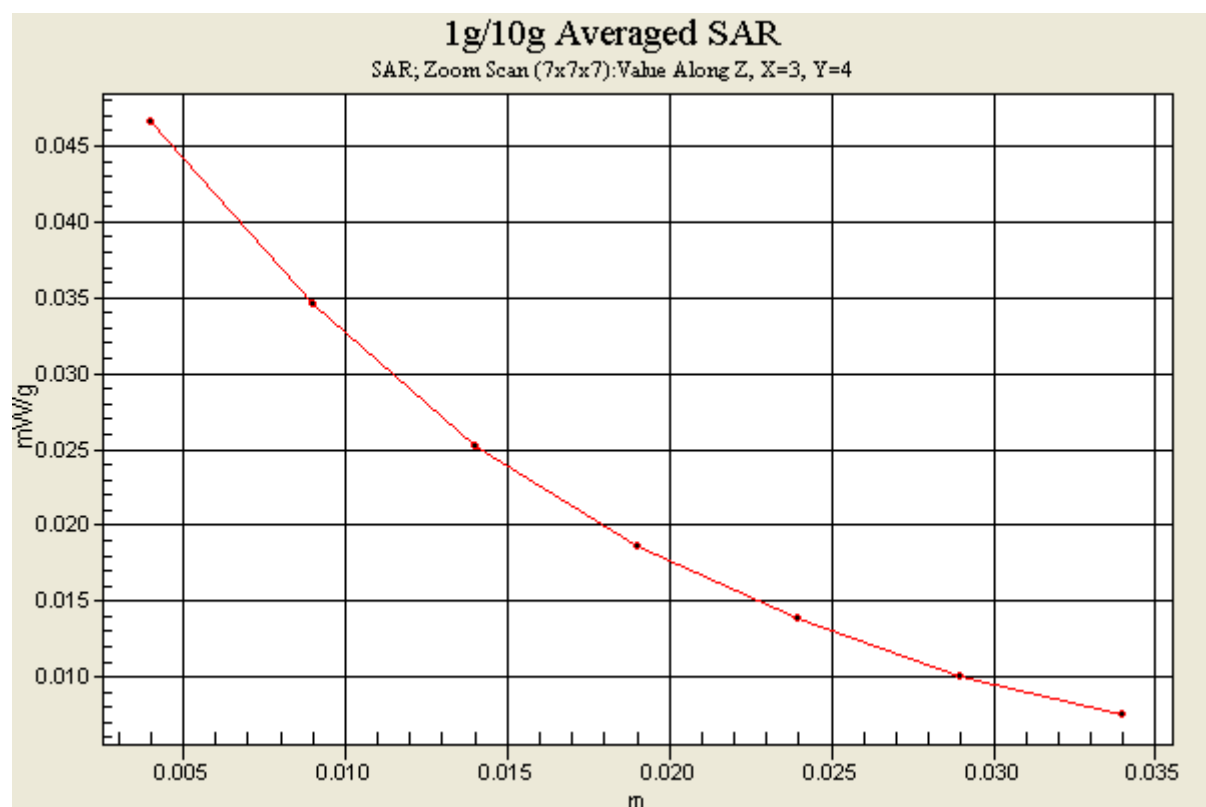
Reference Value = 2.38 V/m

Peak SAR (extrapolated) = 0.056 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.047 mW/g





Date/Time: 04/15/05 11:04:54

Test Laboratory: Advance Data Technology

SP-922 Mode 1 BodyWorn Bottom 0mm

DUT: Mobile Phone ; Type: SP-922 ; Test Frequency: 927.55 MHz

Communication System: FHSS ; Frequency: 927.55 MHz ; Duty Cycle: 1:1 ; Modulation type: GFSK

Medium: MSL900 Medium parameters used (interpolated): $f = 927.55 \text{ MHz}$; $\sigma = 1.04 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1753 ; ConvF(6.02, 6.02, 6.02) ; Calibrated: 2004/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.4 Build 3 ; Postprocessing SW: SEMCAD, V1.8 Build 130

High Channel /Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.017 mW/g

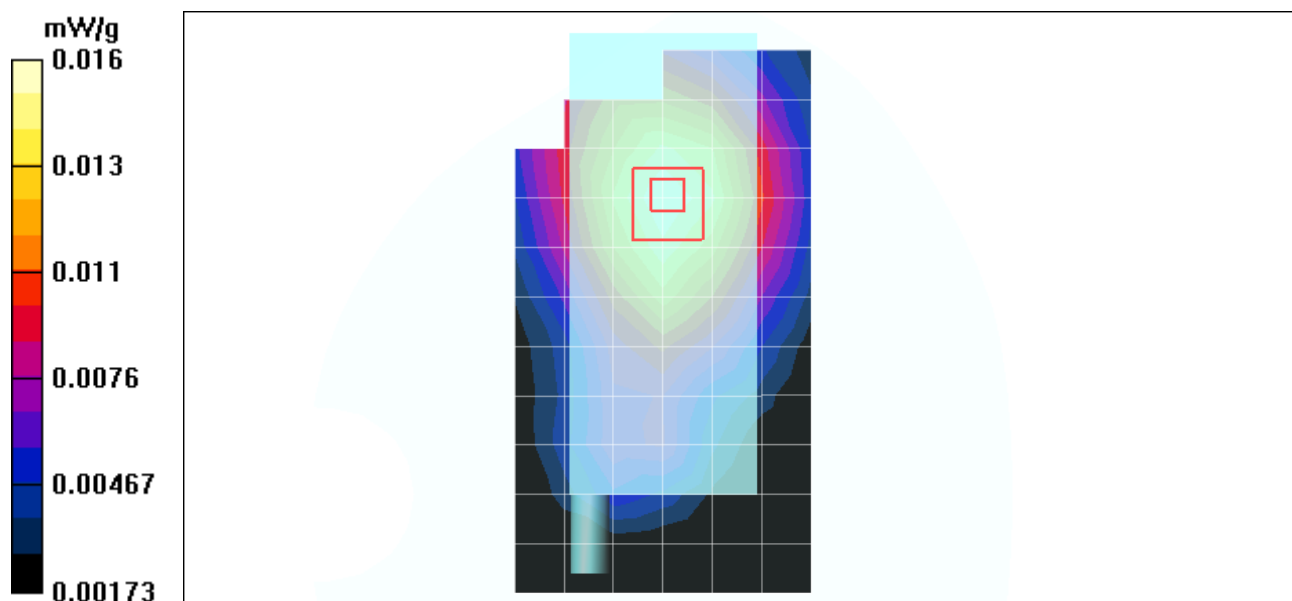
High Channel /Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.2 V/m

Peak SAR (extrapolated) = 0.021 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.013 mW/g

Maximum value of SAR (measured) = 0.016 mW/g



Date/Time: 04/15/05 09:47:40

Test Laboratory: Advance Data Technology

System Validation Check-MSL 900MHz

DUT: Dipole 900 MHz ; Type: D900V2 ; Serial: 156 ; Test Frequency: 900 MHz

Communication System: CW ; Frequency: 900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL900; Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1753 ; ConvF(6.02, 6.02, 6.02) ; Calibrated: 2004/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.79 mW/g

d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.8 mW/g; SAR(10 g) = 1.79 mW/g

Maximum value of SAR (measured) = 2.93 mW/g

