

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Mode 10



The front side of the EUT to the flat phantom distance 0mm

EUT Photo





Liquid Level Photo

2450MHz D=150mm



A2 : TEST DATA

Date/Time: 09/25/03 14:00:04

Test Laboratory: Advance Data Technology

PDA HC02U Mode 10 with the fully charged battery (Sanyo, model UF553450R)

DUT: PDA ; Type: HC02U ; Test Channel Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.902$ mho/m, $\epsilon_r = 53.23$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22 degrees ; Liquid temp. : 21 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 2003/6/18

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510; Calibrated: 2003/6/2

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

PDA Channel 1/Area Scan (81x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.9 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.734 mW/g

PDA Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

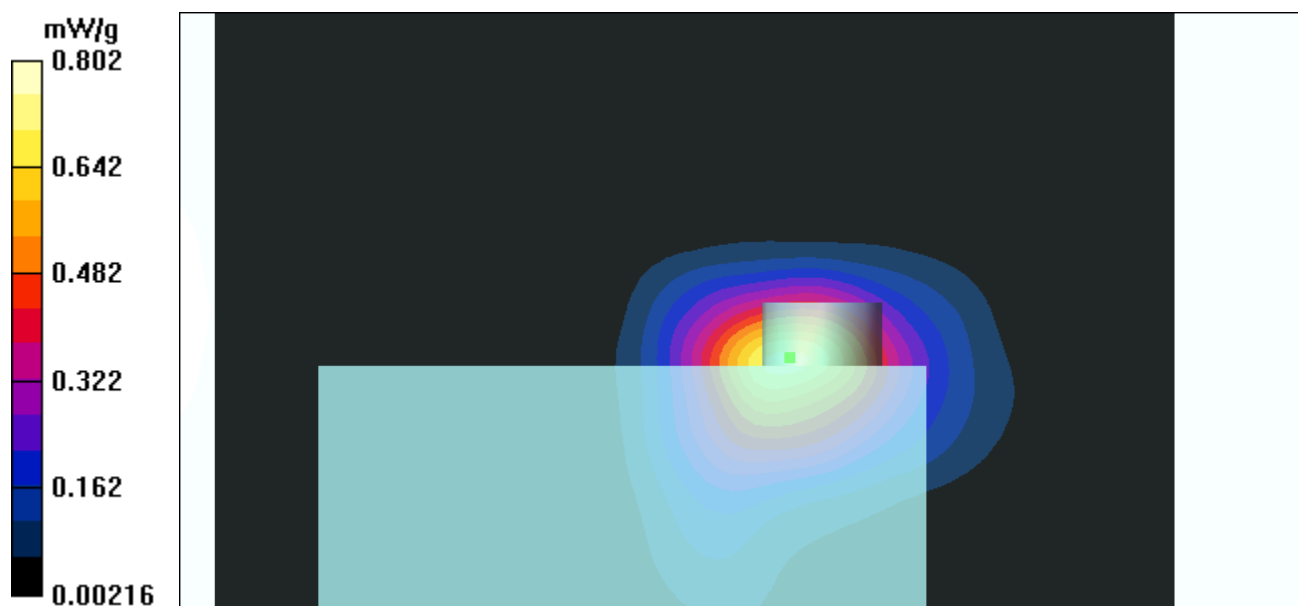
Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.292 mW/g

Reference Value = 15.9 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.811 mW/g



Test Laboratory: Advance Data Technology

PDA HC02U Mode 10 with the fully charged battery (Sanyo, model UF553450R)

DUT: PDA ; Type: HC02U ; Test Channel Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.926\text{mho/m}$, $\epsilon_r = 52.96$, $\rho = 1000\text{ kg/m}^3$) ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22 degrees ; Liquid temp. : 21 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 2003/6/18

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510; Calibrated: 2003/6/2

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

PDA Channel 6/Area Scan (81x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.3 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.715 mW/g

PDA Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

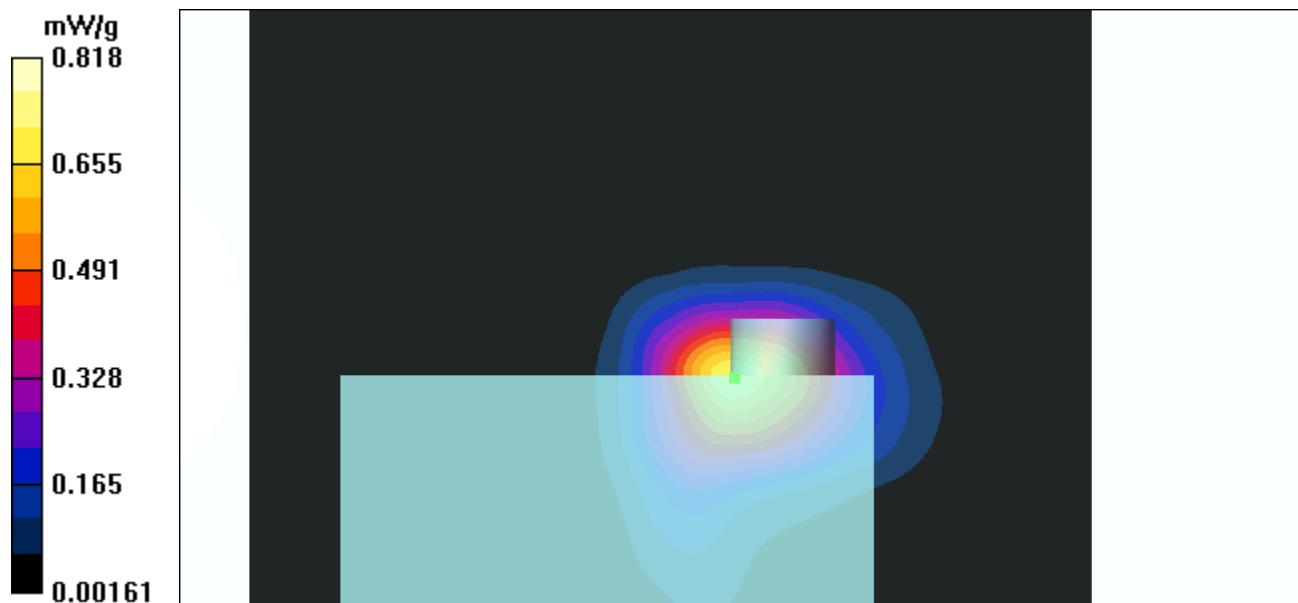
Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.293 mW/g

Reference Value = 15.3 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.723 mW/g



Test Laboratory: Advance Data Technology

PDA HC02U Mode 10 with the fully charged battery (Sanyo, model UF553450R)

DUT: PDA ; Type: HC02U ; Test Channel Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.962$ mho/m, $\epsilon_r = 52.45$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22 degrees ; Liquid temp. : 21 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 2003/6/18

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510; Calibrated: 2003/6/2

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

PDA Channel 11/Area Scan (81x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 18.8 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.003 mW/g

PDA Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

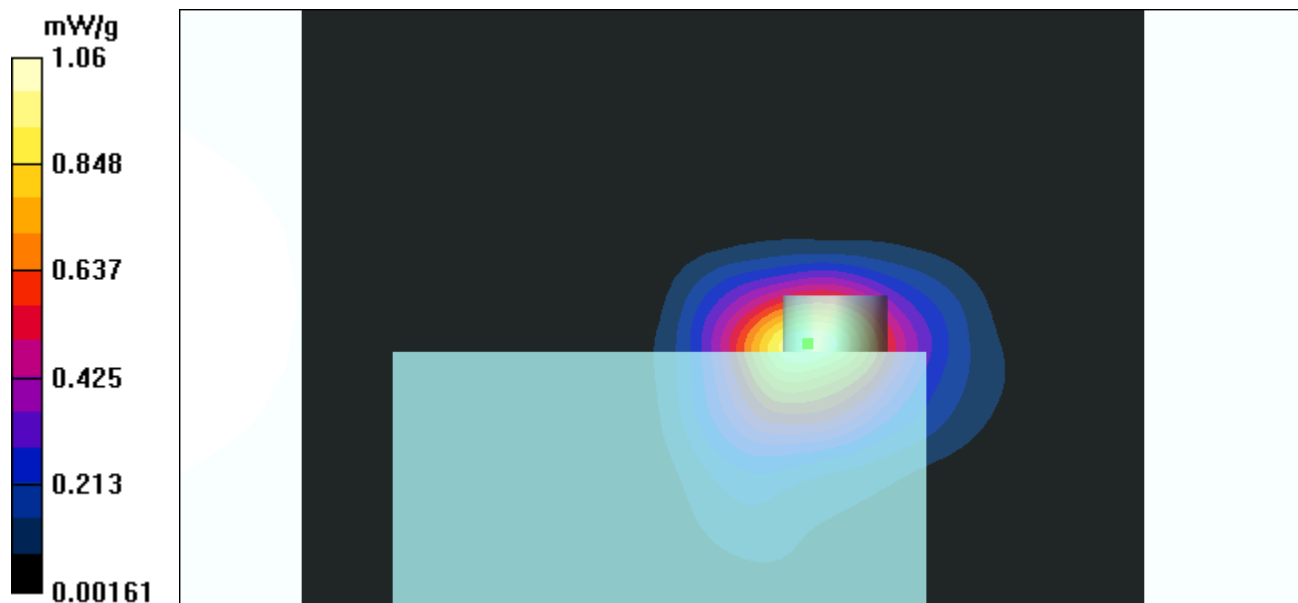
Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.392 mW/g

Reference Value = 18.8 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.08 mW/g



Test Laboratory: The name of your organization

PDA HC02U Mode 10 with the fully charged battery (Sanyo, model UF553450R)

DUT: PDA ; Type: HC02U

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: CCK

Medium: MSL2450 ($\sigma = 1.962$ mho/m, $\epsilon_r = 52.45$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

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

Antenna type : Internal Antenna; Air temperature : 22.0 degrees ; Liquid temperature : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 2003/6/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2003/6/2
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

PDA Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

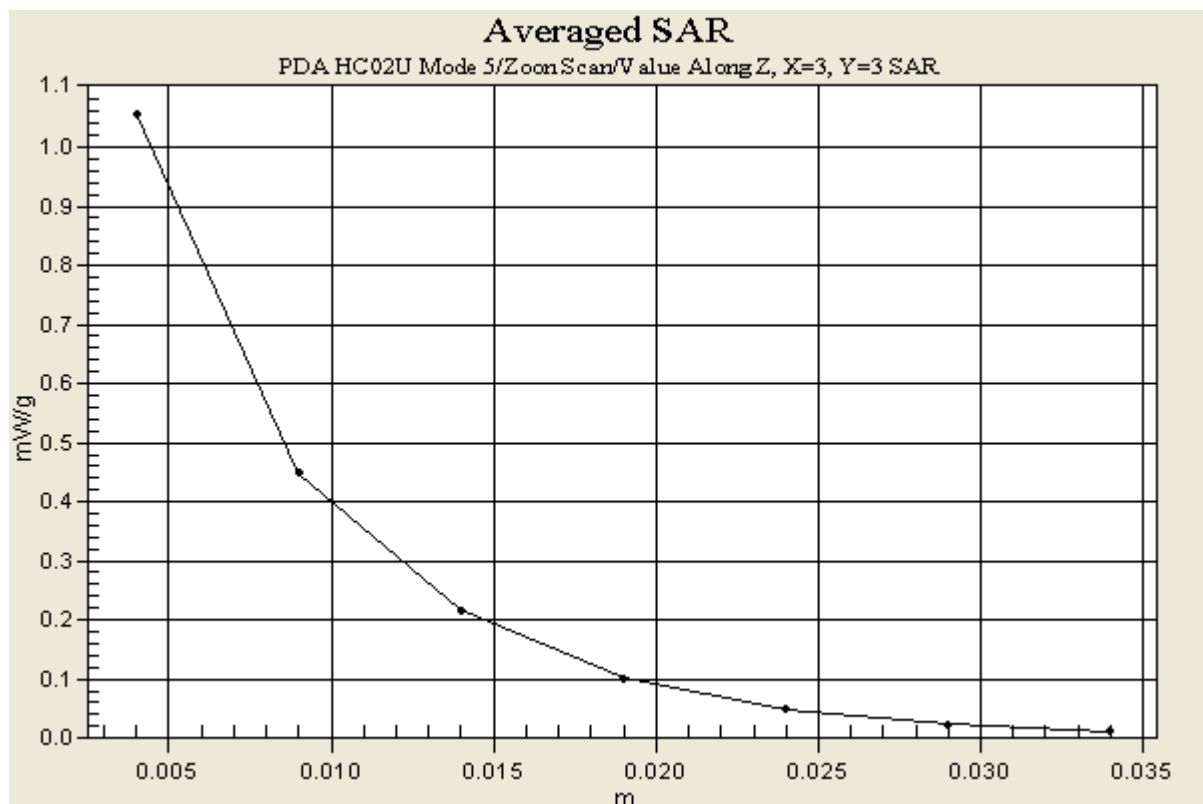
Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.392 mW/g

Reference Value = 18.8 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.08 mW/g



A3 : SYSTEM VALIDATION TEST DATA

Date/Time: 09/25/03 11:24:00

Test Laboratory: Advance Data Technology

SystemPerformanceCheck-Body 2450-2003-09-25

DUT: Dipole 2450 MHz ; Type: D2450V2

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW

Medium: MSL2450 ($\sigma = 1.939$ mho/m, $\epsilon_r = 52.84$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 10mm(The feetpoint of the dipole to the Phantom)

Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 2003/6/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

d=10mm, Pin=50mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 42.0 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 3.23 mW/g

d=10mm, Pin=50mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 6.55 W/kg

SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.28 mW/g

Reference Value = 42.0 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 3.10 mW/g

