

Mode 12 Auxiliary Antenna



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

Mode 13 Auxiliary Antenna



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

Mode 14 Auxiliary Antenna



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

EUT Photo



Liquid Level Photo

2450MHz D=151mm



A2 : TEST DATA

Date/Time: 10/02/03 16:32:36

Test Laboratory: Advance Data Technology

M275 Mode 1 Main Antenna

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.86$ mho/m, $\epsilon_r = 53.61$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 1/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.6 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.11 mW/g

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

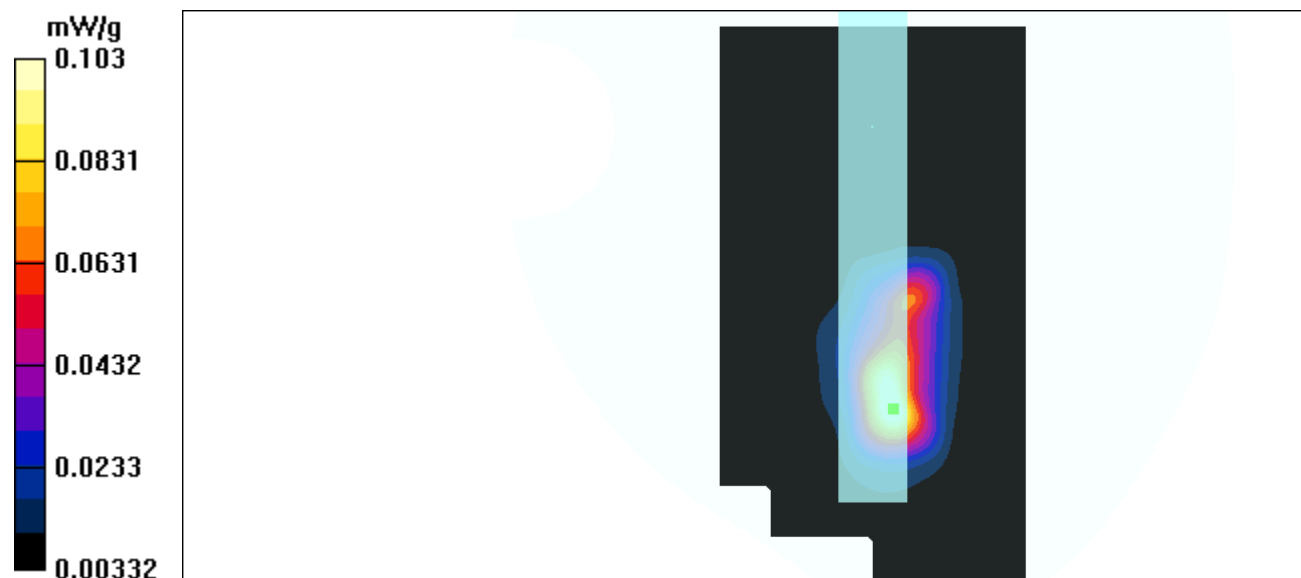
Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.0935 mW/g; SAR(10 g) = 0.0386 mW/g

Reference Value = 1.6 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.103 mW/g



Test Laboratory: Advance Data Technology

M275 Mode 1 Main Antenna

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.89$ mho/m, $\epsilon_r = 52.77$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 6/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.49 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.14 mW/g

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

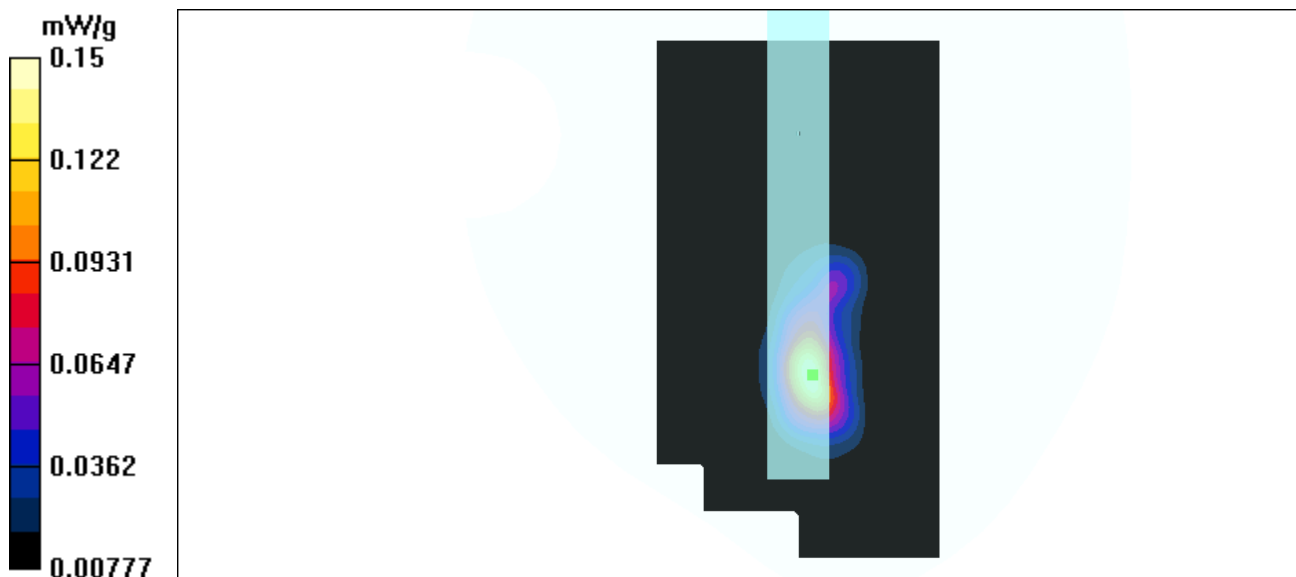
Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.0574 mW/g

Reference Value = 2.49 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.15 mW/g



Test Laboratory: Advance Data Technology

M275 Mode 1 Main Antenna

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.94$ mho/m, $\epsilon_r = 51.85$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 11/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.54 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.274 mW/g

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

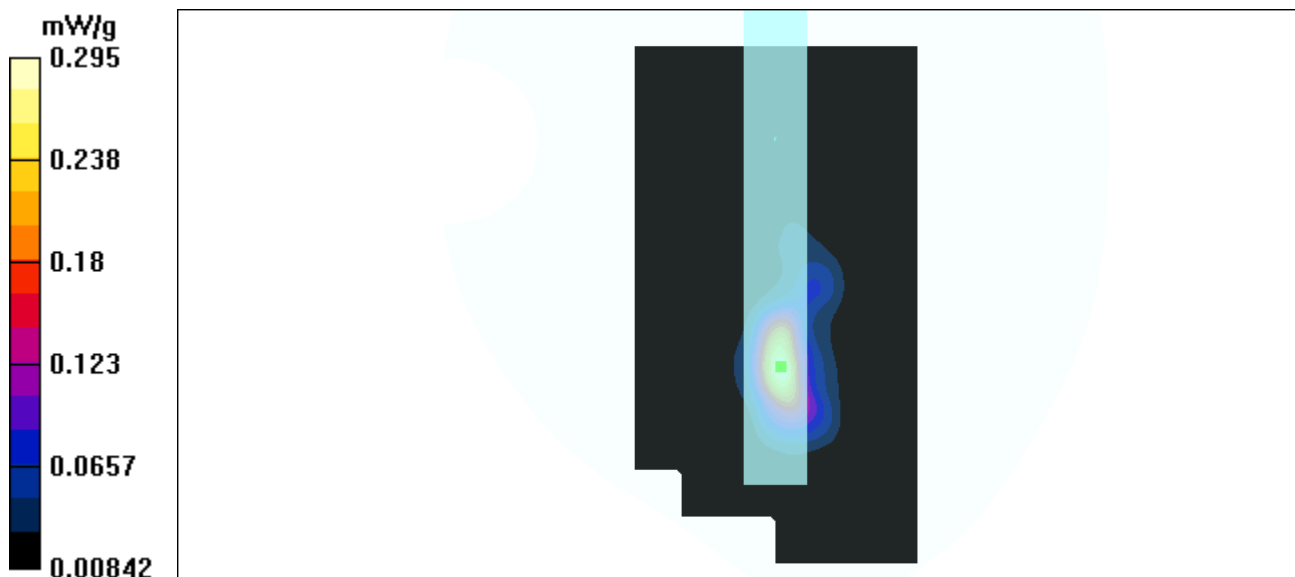
Peak SAR (extrapolated) = 0.902 W/kg

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.0975 mW/g

Reference Value = 3.54 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.295 mW/g



Test Laboratory: Advance Data Technology

M275 Mode 2 Main Antenna

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.86$ mho/m, $\epsilon_r = 53.61$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 1/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 0.746 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.00803 mW/g

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

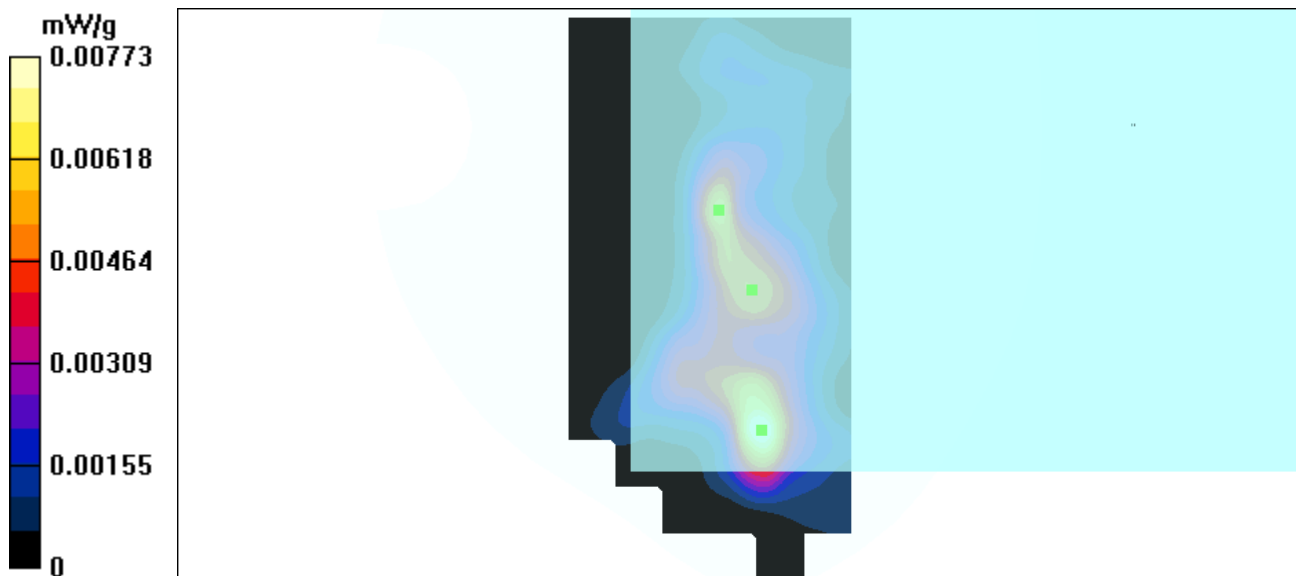
Peak SAR (extrapolated) = 0.0363 W/kg

SAR(1 g) = 0.00733 mW/g; SAR(10 g) = 0.00165 mW/g

Reference Value = 0.746 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.00773 mW/g



Test Laboratory: Advance Data Technology

M275 Mode 2 Main Antenna

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.89$ mho/m, $\epsilon = 52.77$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 6/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.2 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0113 mW/g

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

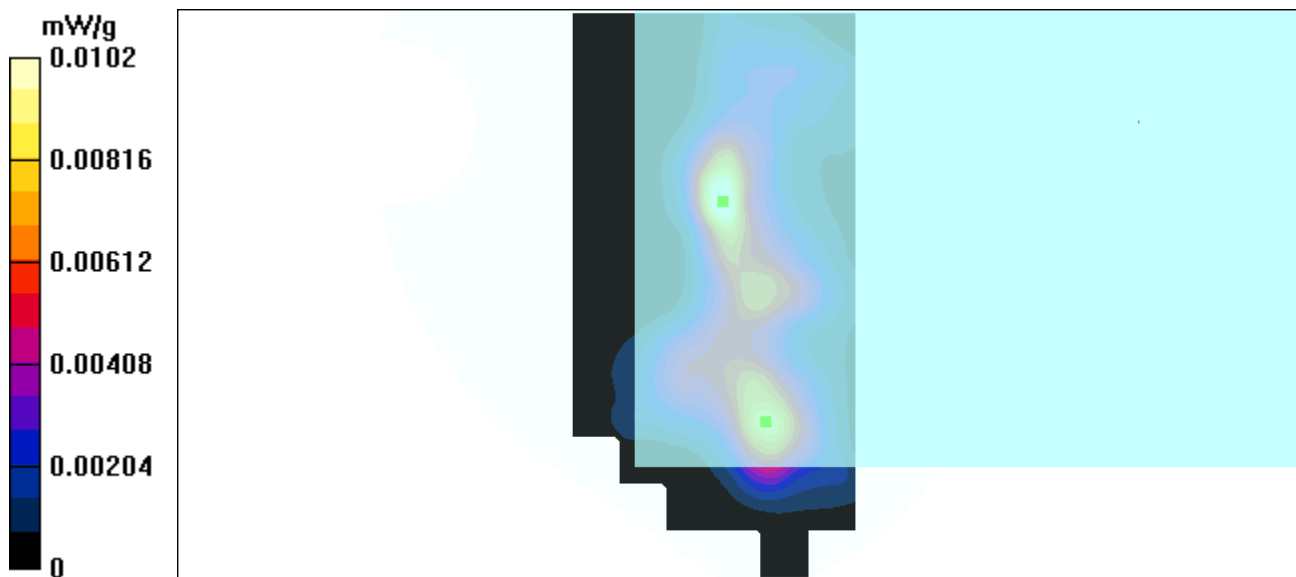
Peak SAR (extrapolated) = 0.0285 W/kg

SAR(1 g) = 0.00909 mW/g; SAR(10 g) = 0.00379 mW/g

Reference Value = 1.2 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0102 mW/g



Test Laboratory: Advance Data Technology

M275 Mode 2 Main Antenna

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.94$ mho/m, $\epsilon_r = 51.85$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 11/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.81 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0225 mW/g

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

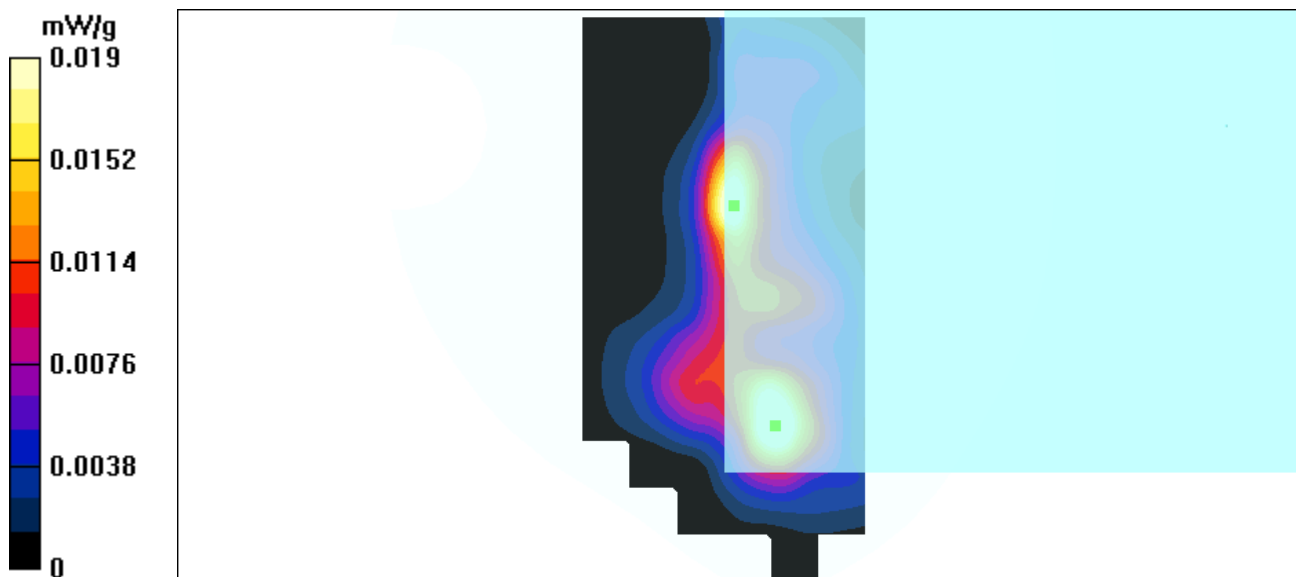
Peak SAR (extrapolated) = 0.0423 W/kg

SAR(1 g) = 0.0177 mW/g; SAR(10 g) = 0.0083 mW/g

Reference Value = 1.81 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.019 mW/g



Test Laboratory: Advance Data Technology

M275 MAIN ANTENNA Mode 3

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.86$ mho/m, $\epsilon_r = 53.61$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 1/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.9 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.0373 mW/g

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

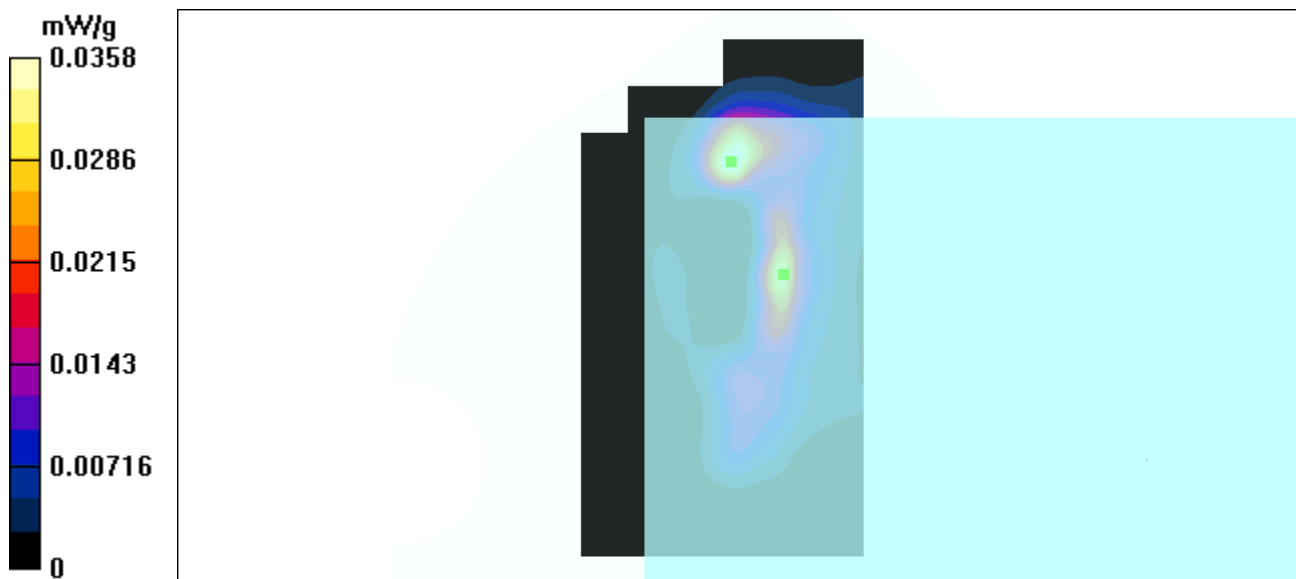
Peak SAR (extrapolated) = 0.1 W/kg

SAR(1 g) = 0.0283 mW/g; SAR(10 g) = 0.0118 mW/g

Reference Value = 1.9 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.0358 mW/g



Test Laboratory: Advance Data Technology

M275 Mode 3 Main Antenna

DUT: Notebook(with Broadcom BCM94306MP Mini PCI card) ; Type: M275 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.89$ mho/m, $\epsilon = 52.77$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; 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

Channel 6/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.68 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.0428 mW/g

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

Peak SAR (extrapolated) = 0.133 W/kg

SAR(1 g) = 0.0453 mW/g; SAR(10 g) = 0.0174 mW/g

Reference Value = 2.68 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.0475 mW/g

