

Test Laboratory: Advance Data Technology

ZW9 11.b MAIN ANTENNA Mode 3

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.946$ mho/m, $\epsilon_r = 50.8632$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; Air temp. : 21.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

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

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.616 mW/g

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

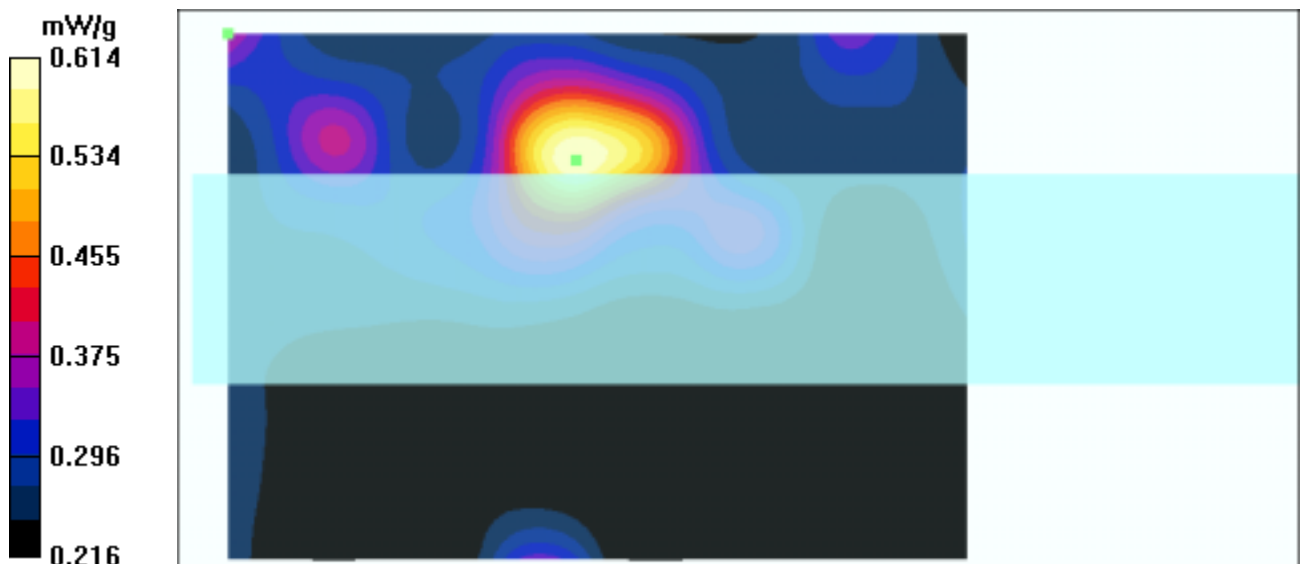
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.367 mW/g

Reference Value = 14 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.614 mW/g



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ZW9 11.b MAIN ANTENNA Mode 3

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.968$ mho/m, $\epsilon_r = 50.5459$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; Air temp. : 21.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

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

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.3 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.593 mW/g

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

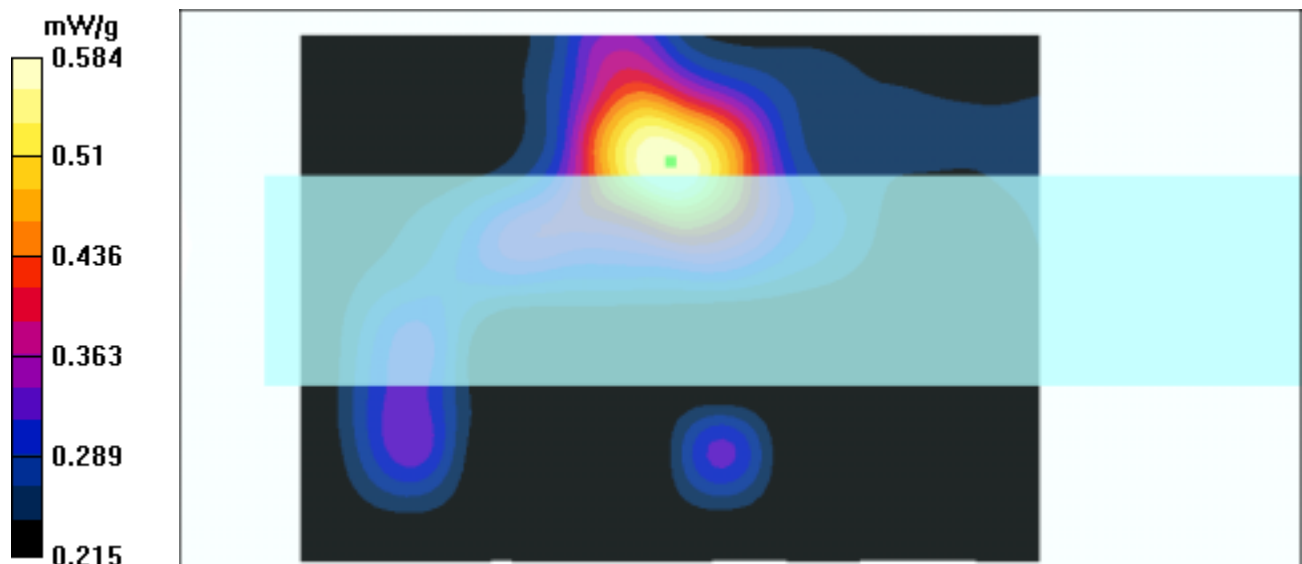
Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.345 mW/g

Reference Value = 12.3 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.584 mW/g



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ZW9 11.b MAIN ANTENNA Mode 3

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2462 MHz

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

Medium: MSL2450 ($\sigma = 2.01$ mho/m, $\epsilon_r = 50.4886$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; Air temp. : 21.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

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

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.522 mW/g

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

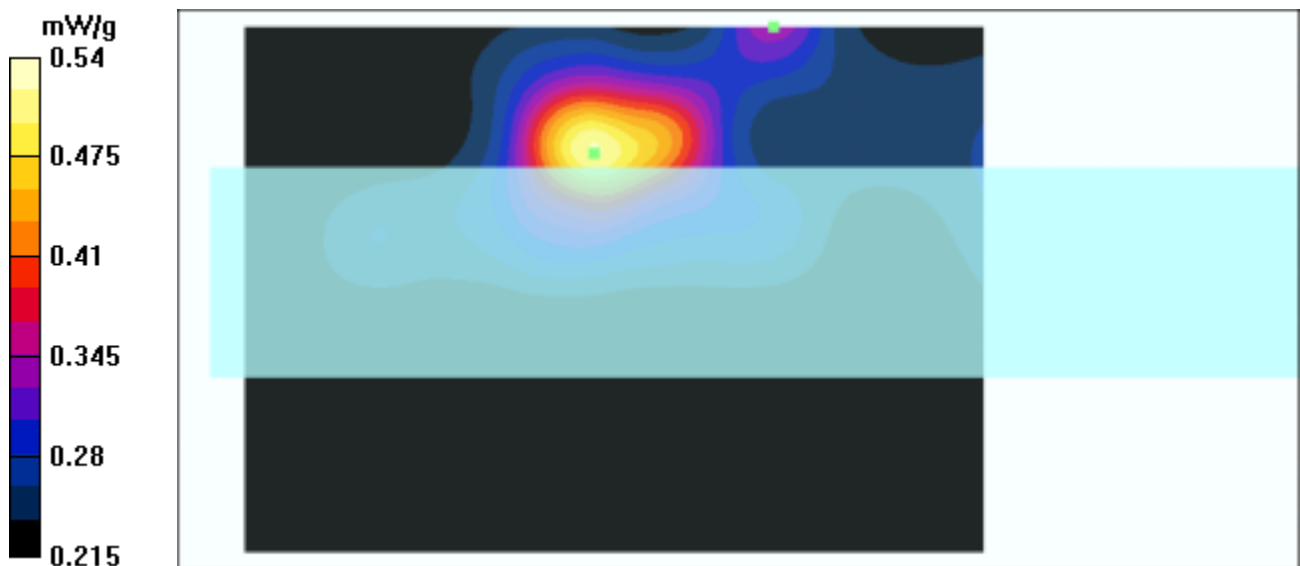
Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.54 mW/g; SAR(10 g) = 0.34 mW/g

Reference Value = 12 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.54 mW/g



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ZW9 11.b Auxiliary ANTENNA Mode 4

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.946$ mho/m, $\epsilon_r = 50.8632$, $\rho = 1000$ 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. : 21.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

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

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.4 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.342 mW/g

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

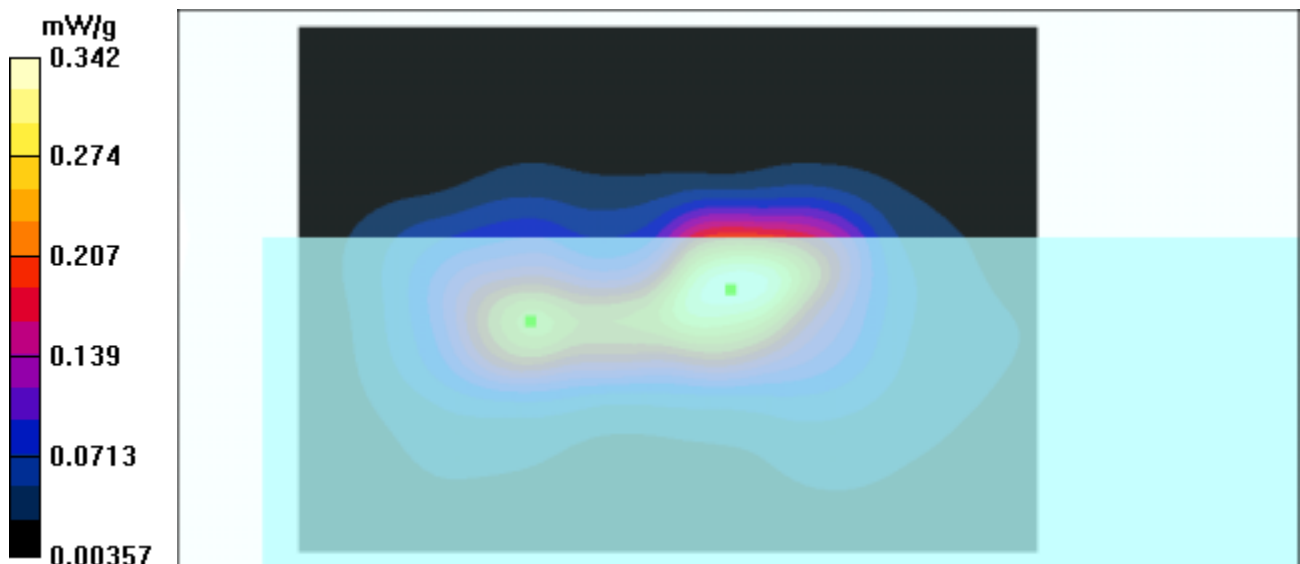
Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.187 mW/g

Reference Value = 10.4 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.674 mW/g



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ZW9 11.b Auxiliary ANTENNA Mode 4

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.968$ mho/m, $\epsilon_r = 50.5459$, $\rho = 1000$ 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. : 21.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

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

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.5 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.399 mW/g

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

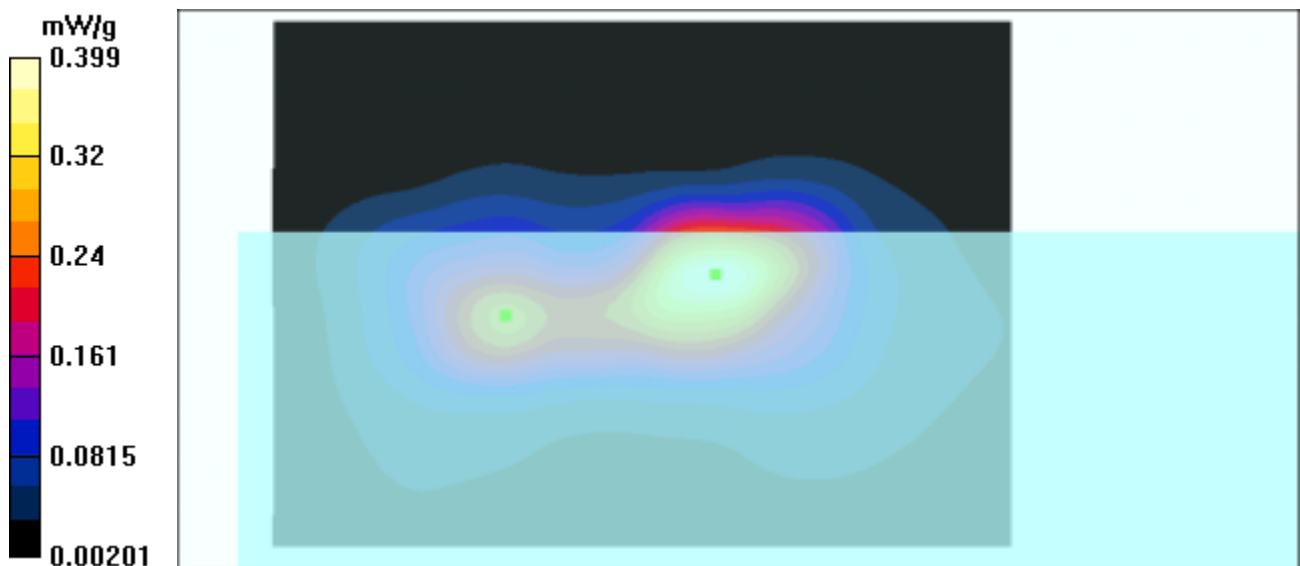
Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.225 mW/g

Reference Value = 11.5 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.788 mW/g



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ZW9 11.b Auxiliary ANTENNA Mode 4

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2462 MHz

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

Medium: MSL2450 ($\sigma = 2.01$ mho/m, $\epsilon_r = 50.4886$, $\rho = 1000$ 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. : 21.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

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

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.6 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.354 mW/g

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

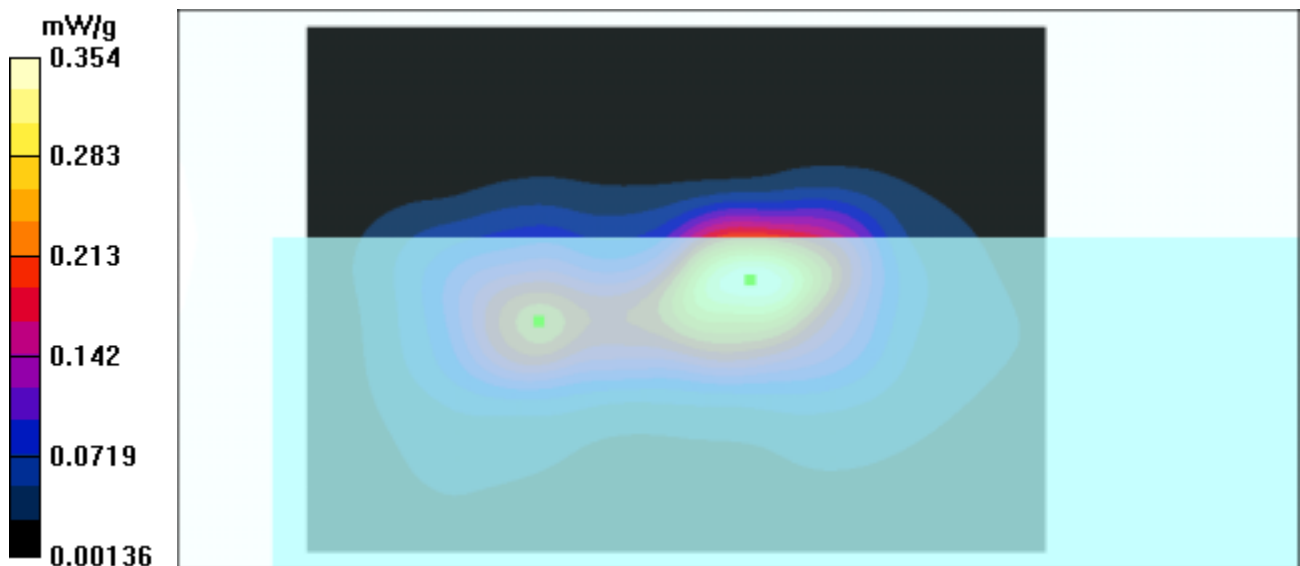
Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.197 mW/g

Reference Value = 10.6 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.682 mW/g



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ZW9 11.b Auxiliary ANTENNA Mode 5

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.946$ mho/m, $\epsilon_r = 50.8632$, $\rho = 1000$ 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. : 21 degrees ; Liquid temp. : 21 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.02 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0111 mW/g

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

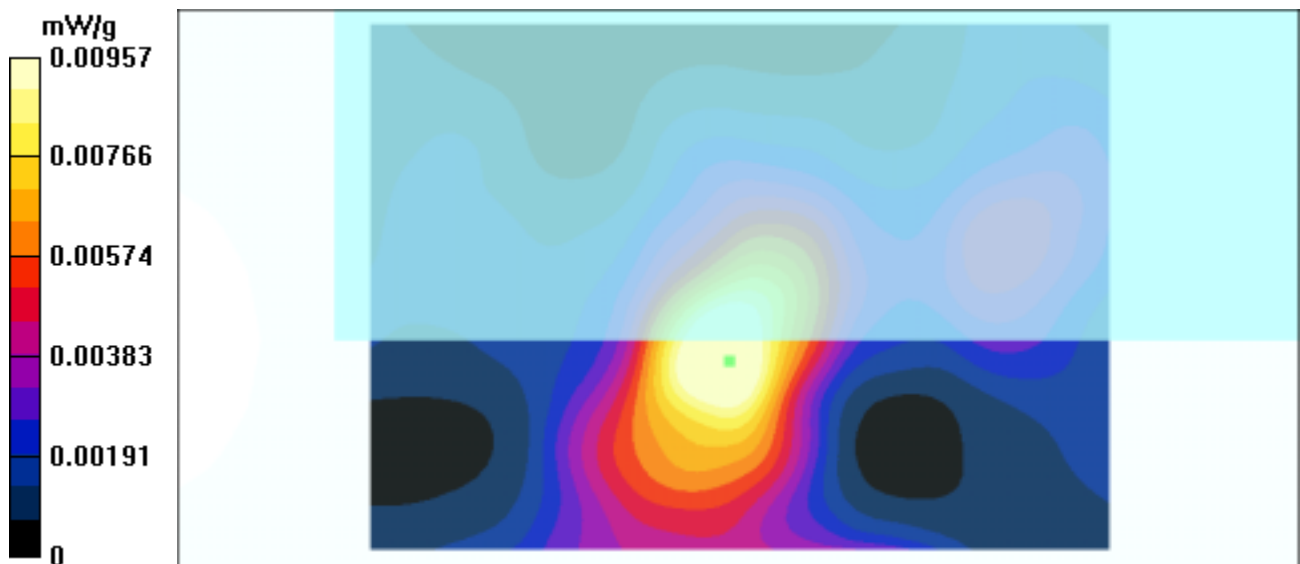
Peak SAR (extrapolated) = 0.0197 W/kg

SAR(1 g) = 0.00879 mW/g; SAR(10 g) = 0.00448 mW/g

Reference Value = 2.02 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.00957 mW/g



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ZW9 11.b Auxiliary ANTENNA Mode 5

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.968$ mho/m, $\epsilon_r = 50.5459$, $\rho = 1000$ 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. : 21 degrees ; Liquid temp. : 21 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.08 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0117 mW/g

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

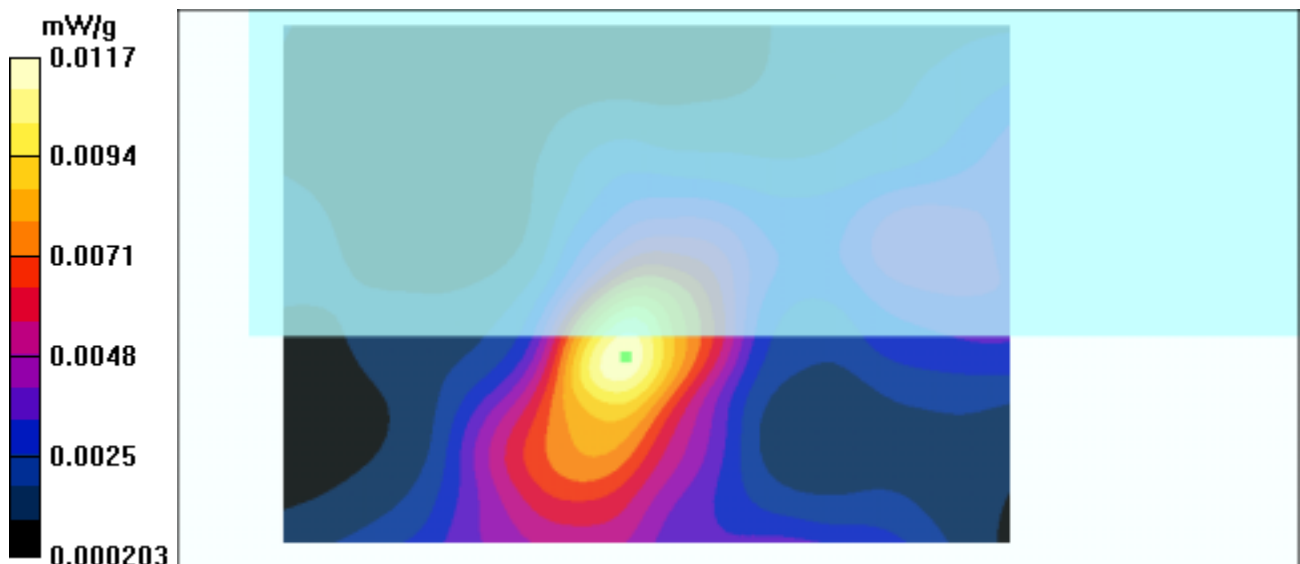
Peak SAR (extrapolated) = 0.0397 W/kg

SAR(1 g) = 0.00984 mW/g; SAR(10 g) = 0.00472 mW/g

Reference Value = 2.08 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0103 mW/g



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ZW9 11.b Auxiliary ANTENNA Mode 5

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 2.01$ mho/m, $\epsilon_r = 50.4886$, $\rho = 1000$ 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. : 21 degrees ; Liquid temp. : 21 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.94 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.00911 mW/g

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

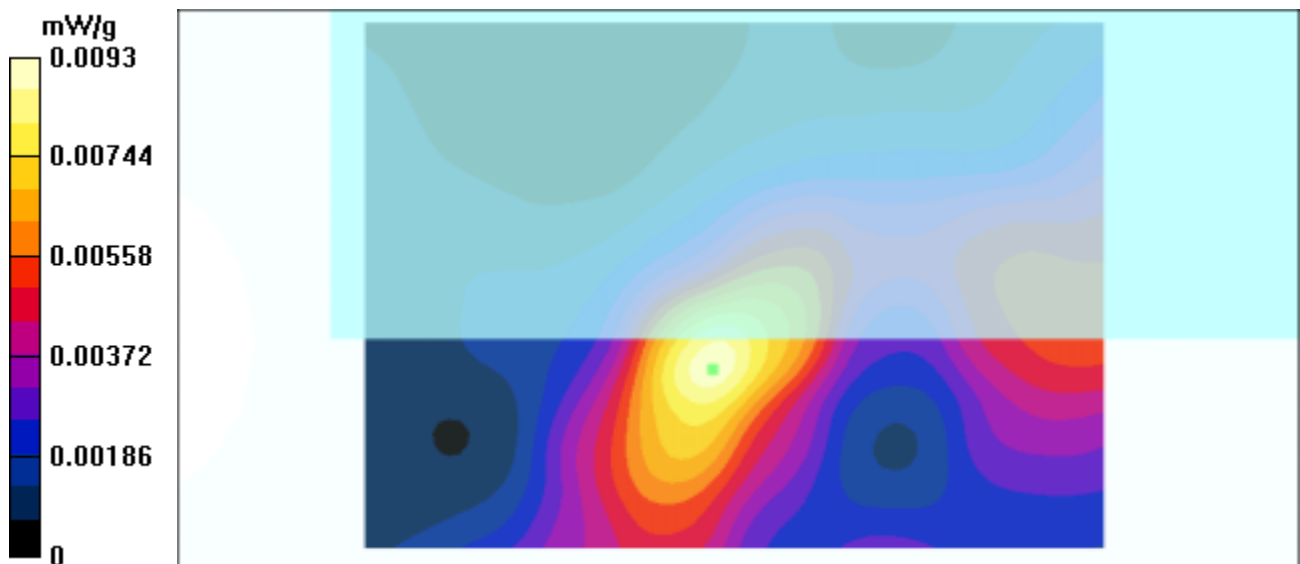
Peak SAR (extrapolated) = 0.0248 W/kg

SAR(1 g) = 0.00892 mW/g; SAR(10 g) = 0.00421 mW/g

Reference Value = 1.94 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.0093 mW/g



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ZW9 11.b Auxiliary ANTENNA Mode 6

DUT: Notebook ; Type: ZW9 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.946$ mho/m, $\epsilon_r = 50.8632$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; Air temp. : 21.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

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

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.68 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.174 mW/g

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

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.0737 mW/g

Reference Value = 8.68 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.169 mW/g

