

Mode 7 Main Antenna



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

Mode 8 Auxiliary Antenna



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

EUT Photo



Liquid Level Photo

2450MHz D=155mm



Test Laboratory: Advance Data Technology

ZW9 11.b MAIN ANTENNA Mode 1

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 = 21.9 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.851 mW/g

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

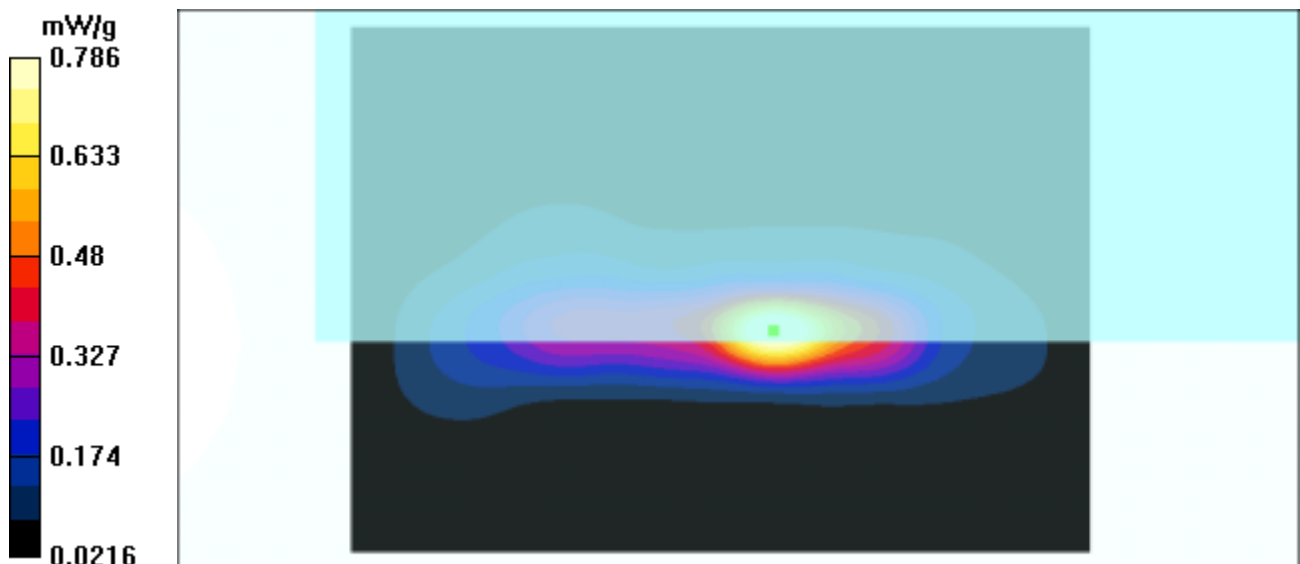
Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 0.69 mW/g; SAR(10 g) = 0.243 mW/g

Reference Value = 21.9 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.786 mW/g



Test Laboratory: Advance Data Technology

ZW9 11.b MAIN ANTENNA Mode 1

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 = 19.8 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.715 mW/g

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

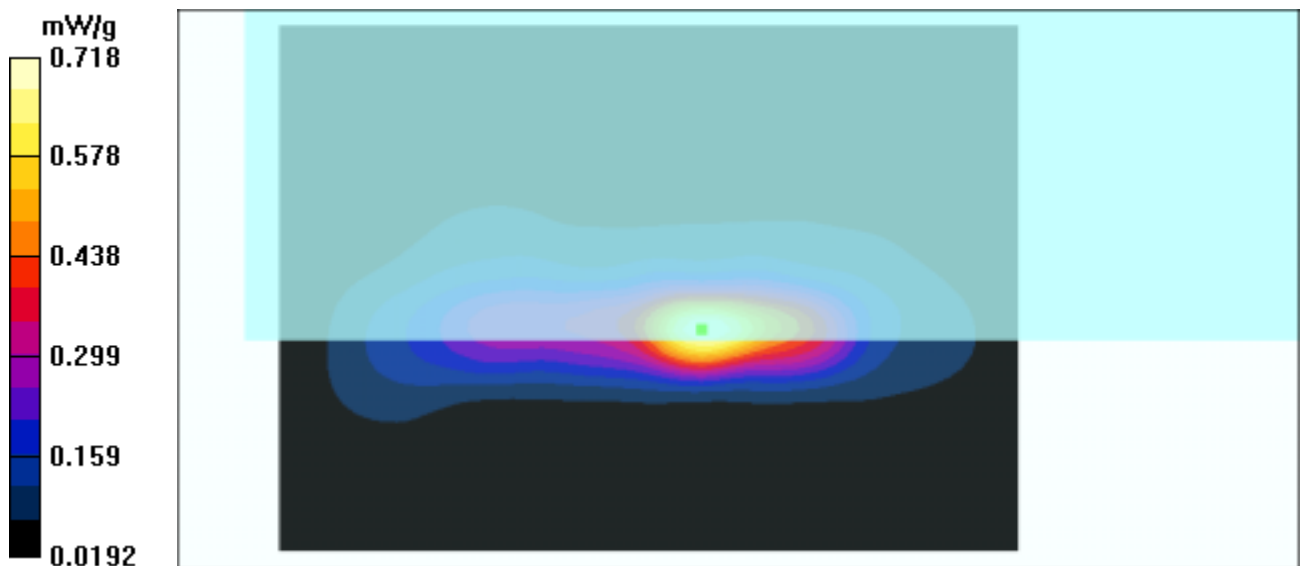
Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.225 mW/g

Reference Value = 19.8 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.718 mW/g



Test Laboratory: Advance Data Technology

ZW9 11.b MAIN ANTENNA Mode 1

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 = 16.9 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.548 mW/g

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

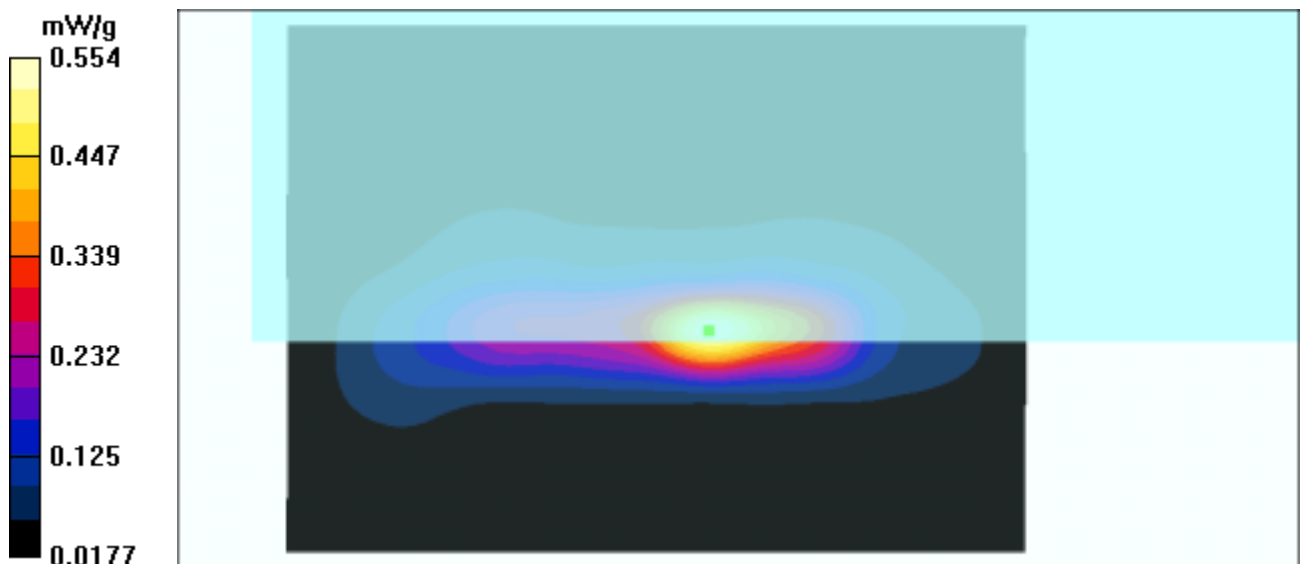
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.177 mW/g

Reference Value = 16.9 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.554 mW/g



Test Laboratory: Advance Data Technology

ZW9 11.b MAIN ANTENNA Mode 2

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 = 1.58 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0449 mW/g

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

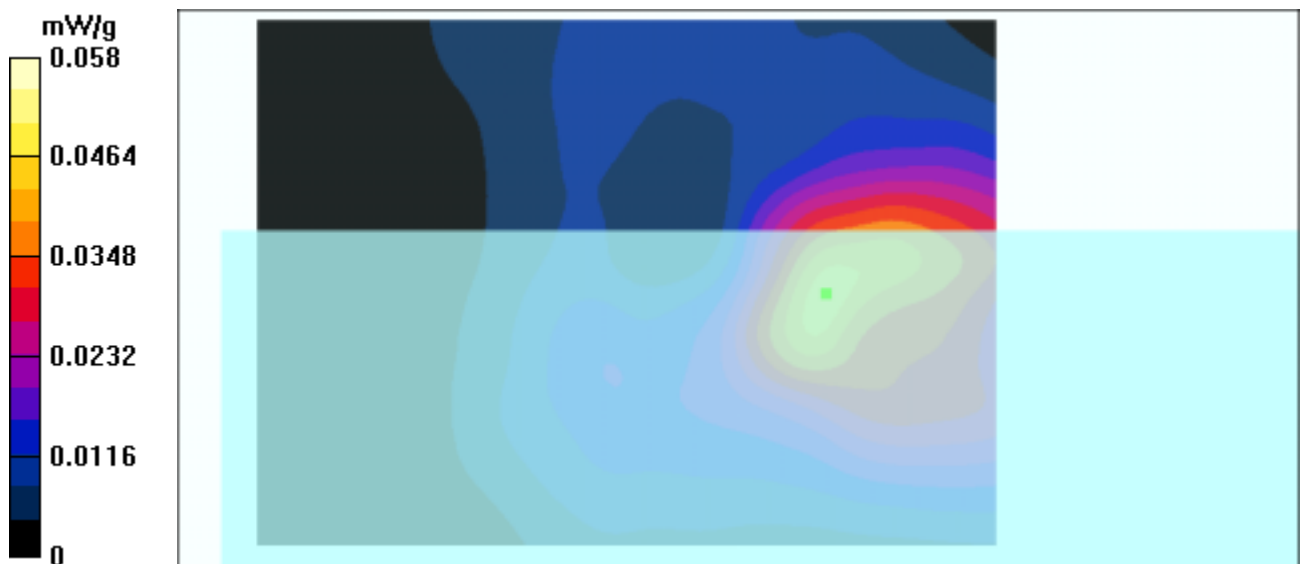
Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = 0.0542 mW/g; SAR(10 g) = 0.0228 mW/g

Reference Value = 1.58 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.058 mW/g



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ZW9 11.b MAIN ANTENNA Mode 2

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 = 2.07 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.034 mW/g

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

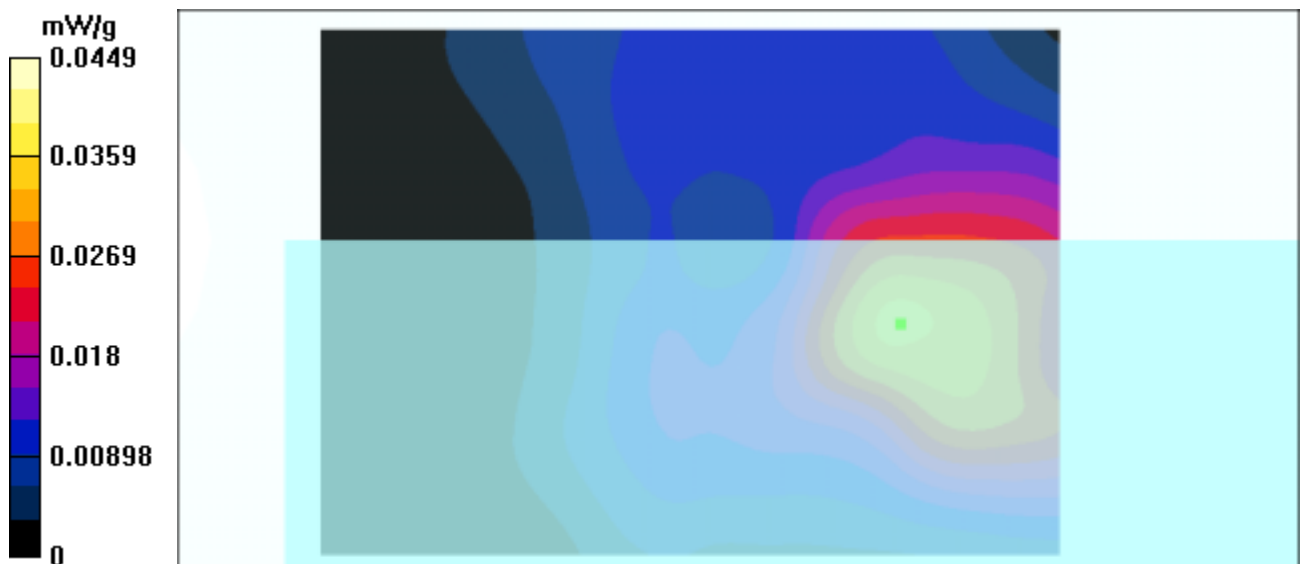
Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.0422 mW/g; SAR(10 g) = 0.0188 mW/g

Reference Value = 2.07 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0449 mW/g



Test Laboratory: Advance Data Technology

ZW9 11.b MAIN ANTENNA Mode 2

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 = 1.89 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0269 mW/g

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

Peak SAR (extrapolated) = 0.0865 W/kg

SAR(1 g) = 0.0309 mW/g; SAR(10 g) = 0.0133 mW/g

Reference Value = 1.89 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0329 mW/g

