

APPENDIX 2 : SAR Measurement data

P1510D / Body / Bluetooth Front / Bluetooth 2441MHz

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=20mm, dy=20mm

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

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.26 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.289 W/kg

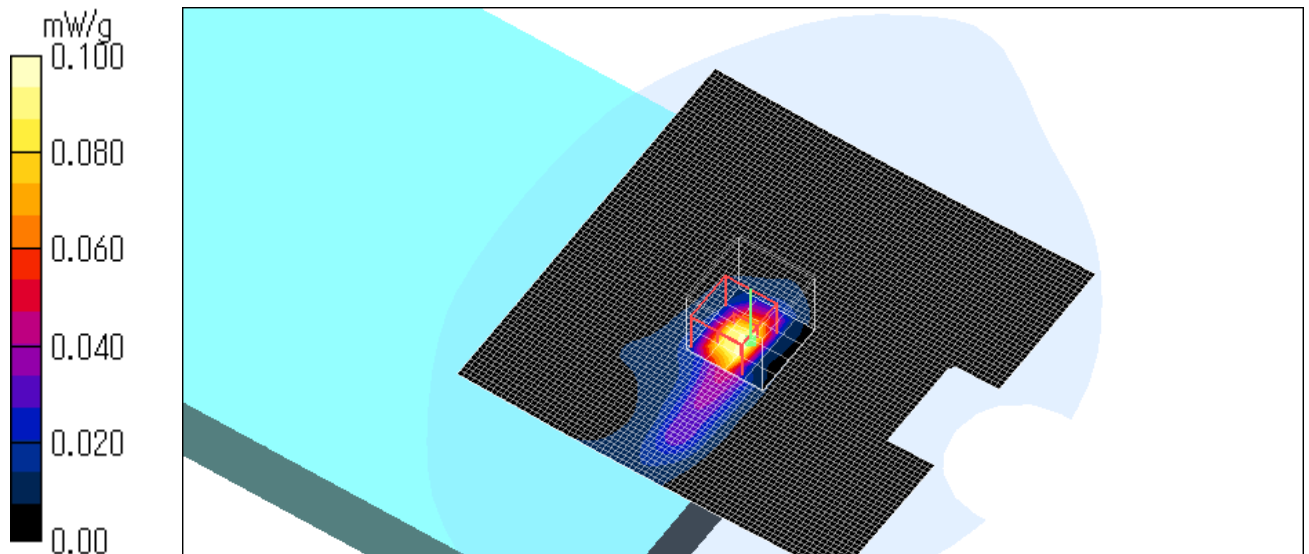
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.100 mW/g

Test Date = 08/30/05

Ambient Temperature = 24.8degree.C.

Liquid Temperature = Before 24.6 degree.C. , After 24.6 degree.C.



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P1510D / Body / Bluetooth Back / Bluetooth 2441MHz

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.01 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.93 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.017 W/kg

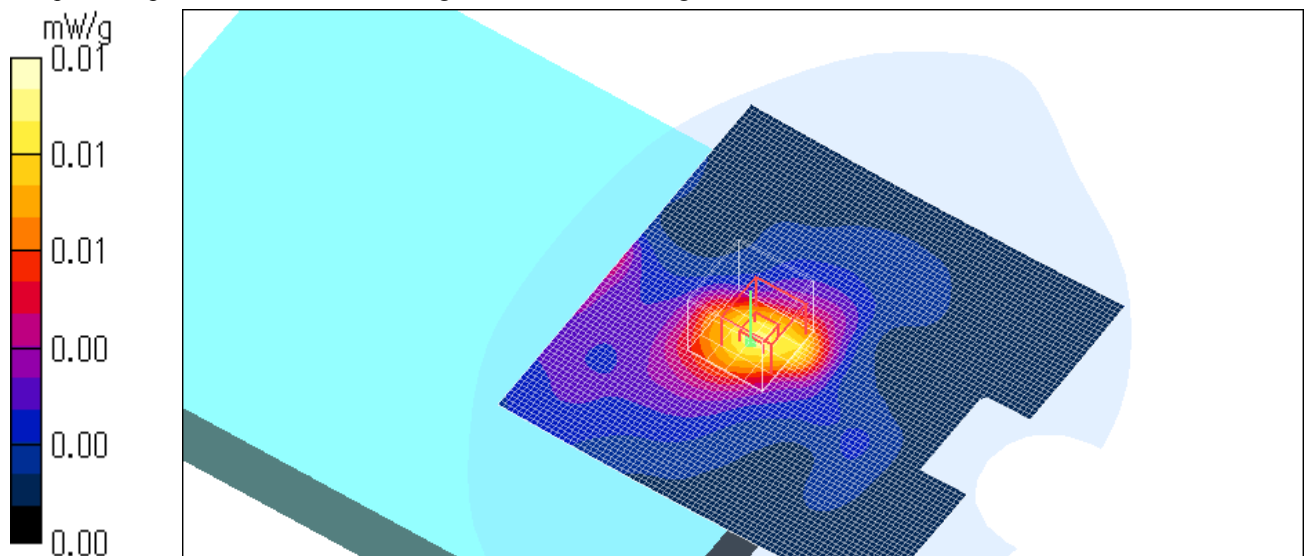
SAR(1 g) = 0.00864 mW/g; SAR(10 g) = 0.00523 mW/g

Maximum value of SAR (measured) = 0.01 mW/g

Test Date = 08/30/05

Ambient Temperature = 24.8 degree.C.

Liquid Temperature = Before 24.4 degree.C. , After 24.3 degree.C.



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P1510D / Body / Bluetooth Bottom / Bluetooth 2441MHz

BT R Bottom Mch

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.00 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.809 V/m; Power Drift = -0.216 dB

Peak SAR (extrapolated) = 0.00 W/kg

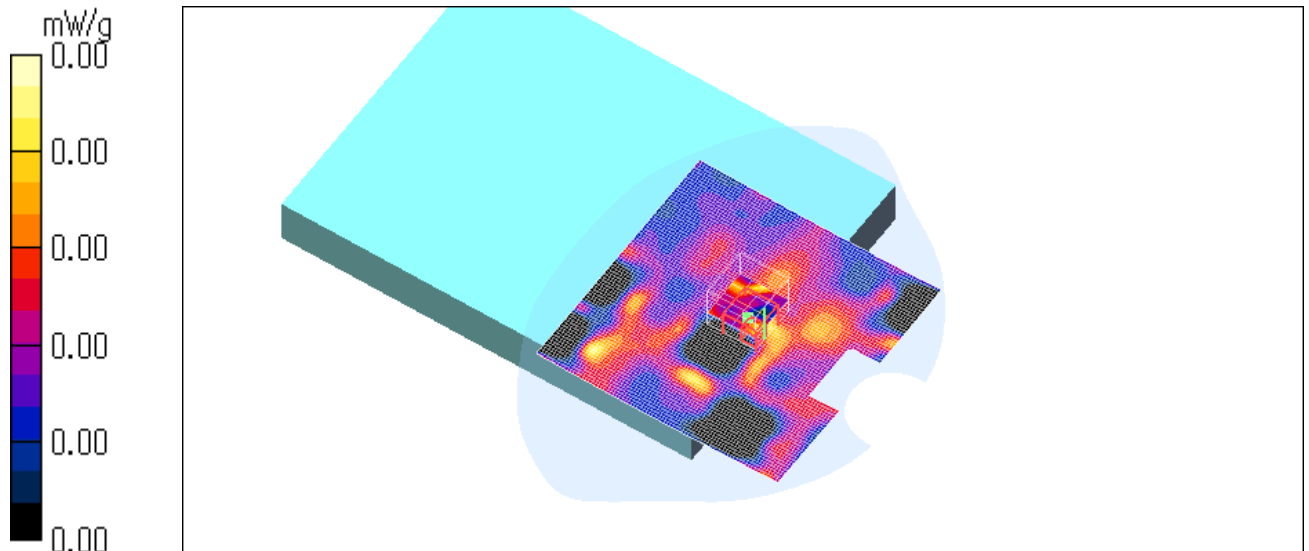
SAR(1 g) = 0.00127 mW/g; SAR(10 g) = 0.000874 mW/g

Maximum value of SAR (measured) = 0.00 mW/g

Test Date = 08/30/05

Ambient Temperature = 24.8 degree.C.

Liquid Temperature = Before 24.6 degree.C. , After 24.6 degree.C.



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P1510D / Body / Bluetooth Side / Bluetooth 2441MHz

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.111 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.32 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 0.288 W/kg

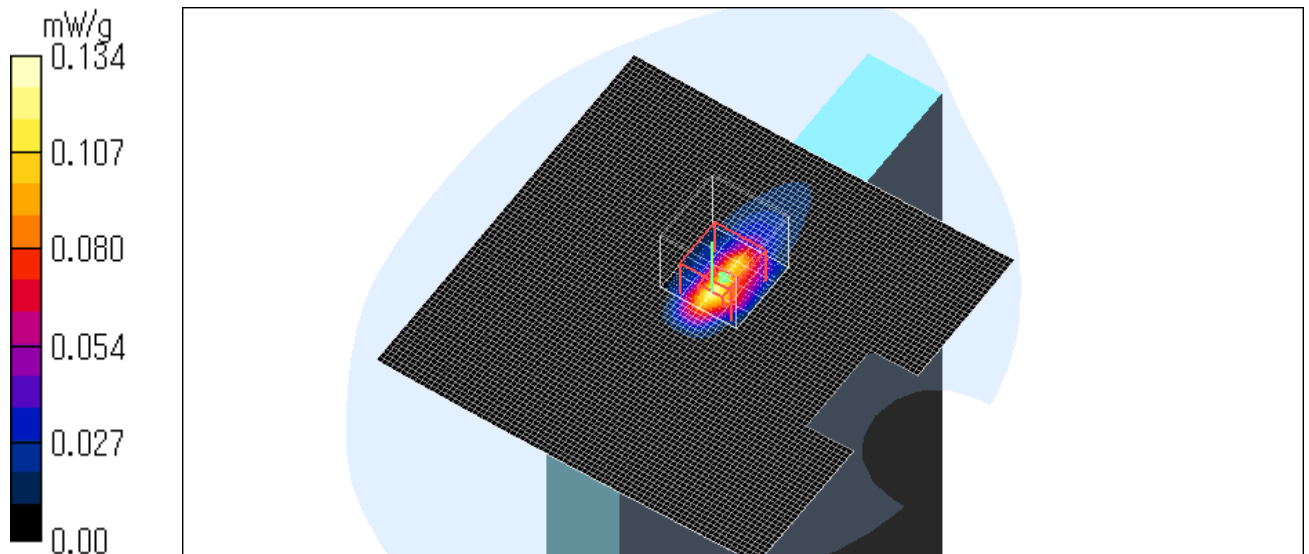
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.134 mW/g

Test Date = 08/30/05

Ambient Temperature = 24.8 degree.C.

Liquid Temperature = Before 24.6 degree.C. , After 24.6 degree.C.



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P1510D / Body / Bluetooth Side / Bluetooth 2402MHz

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.077 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.45 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.321 W/kg

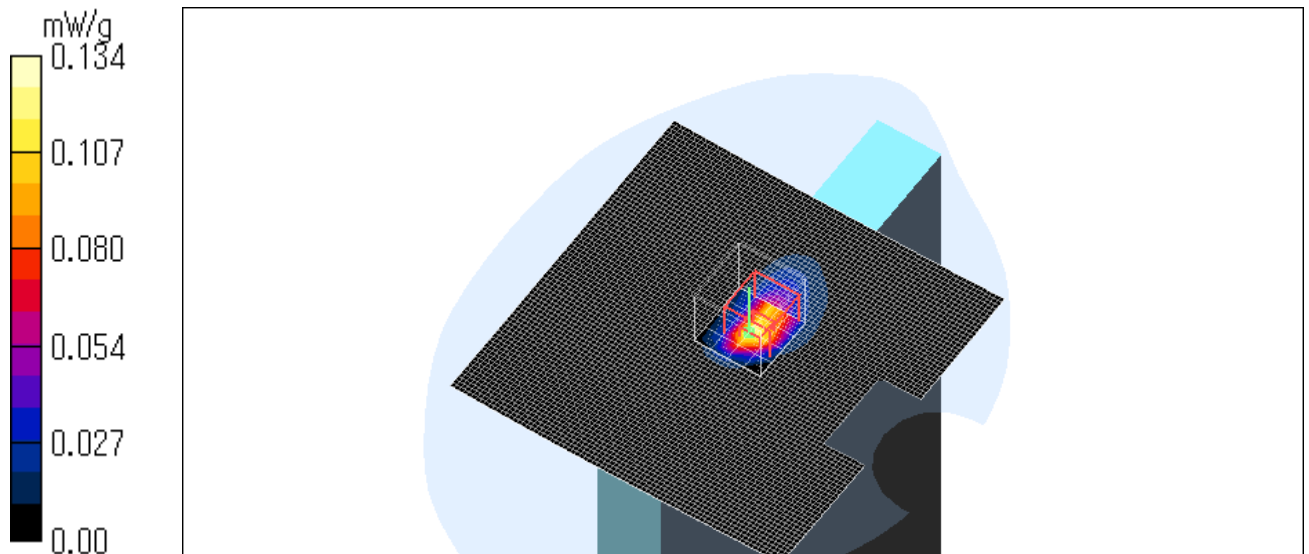
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.134 mW/g

Test Date = 08/30/05

Ambient Temperature = 24.8 degree.C.

Liquid Temperature = Before 24.6 degree.C. , After 24.5 degree.C.



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Z-axis at maximum SAR location

P1510D / Body / Bluetooth Side / Bluetooth 2402MHz

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

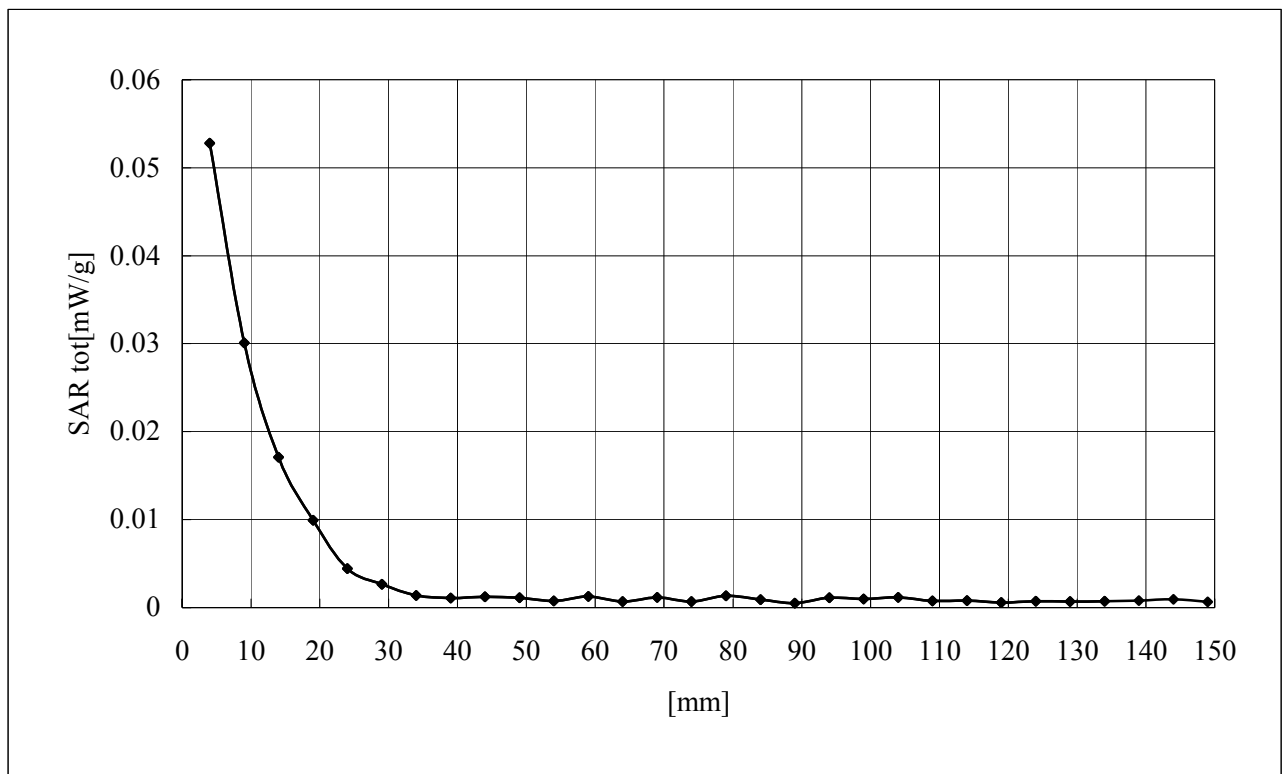
Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145



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P1510D / Body / Bluetooth Side / Bluetooth 2480MHz

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.075 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.23 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.283 W/kg

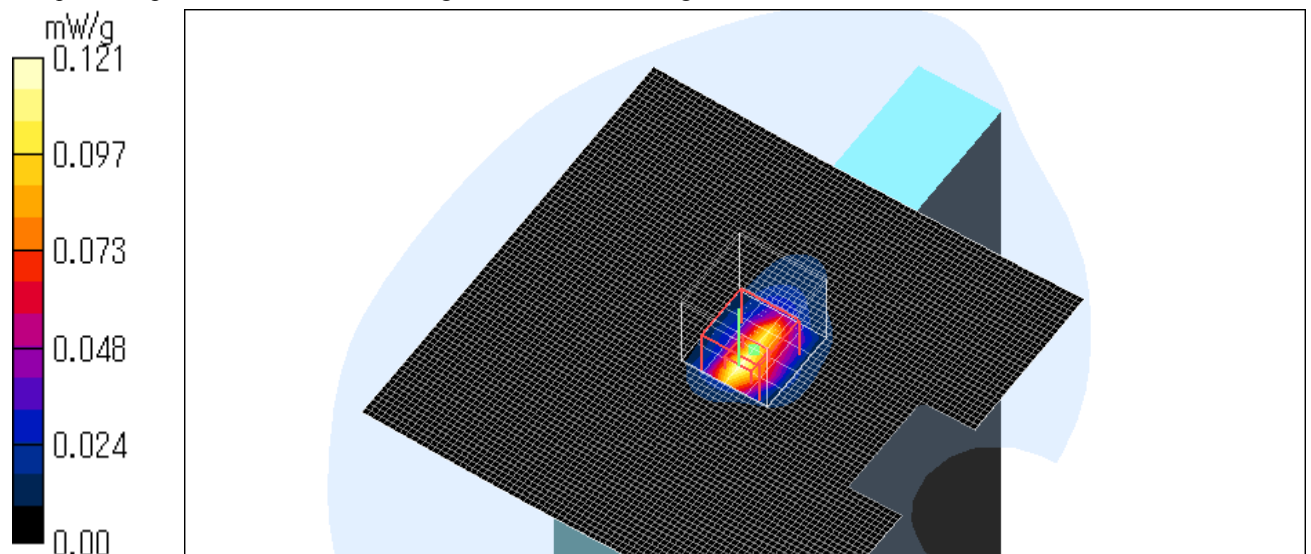
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.121 mW/g

Test Date = 08/30/05

Ambient Temperature = 24.8 degree.C.

Liquid Temperature = Before 24.4 degree.C. , After 24.4 degree.C.



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P1510D / Body / Bluetooth Side / Bluetooth Hopping On

Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02

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

Electronics: DAE3 Sn509; Calibrated: 2005/05/26

Phantom: SAM 1196

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.081 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.44 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.313 W/kg

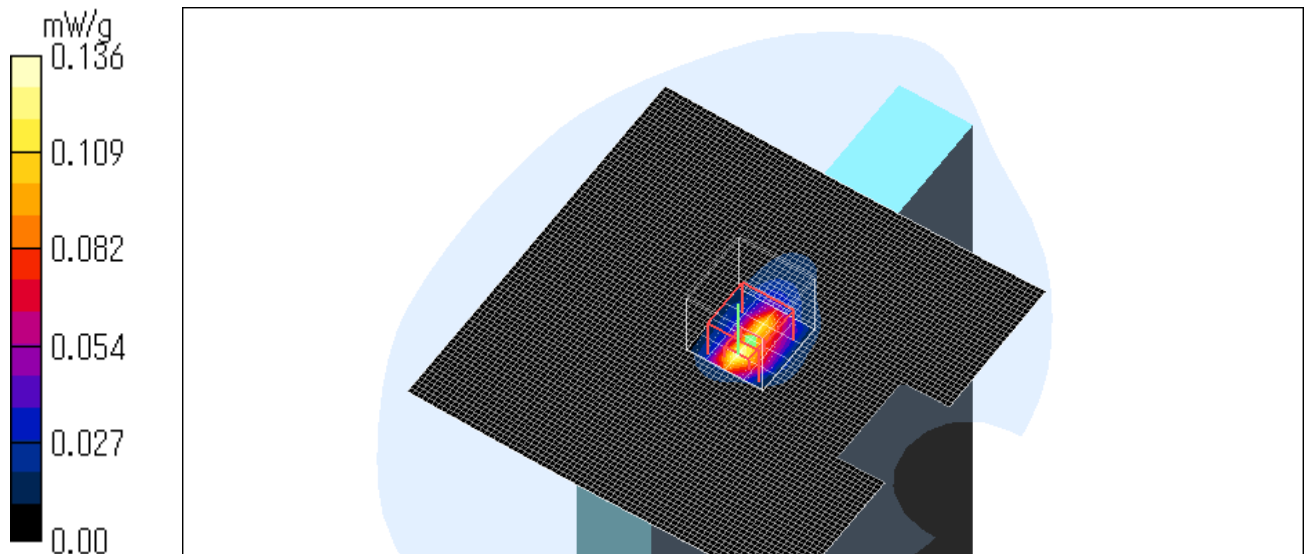
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.136 mW/g

Test Date = 08/30/05

Ambient Temperature = 24.8 degree.C.

Liquid Temperature = Before 24.4 degree.C. , After 24.4 degree.C.



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APPENDIX 3 : Validation Measurement data

System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW

Dipole 2450 MHz;
- Type: D2450V2; Serial: SN:765

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)
DASY4 Configuration:
Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
Electronics: DAE3 Sn509; Calibrated: 2003/04/10
Phantom: SAM 1196
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 20.4 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.3 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 29.8 W/kg
SAR(1 g) = 14 mW/g; SAR(10 g) = 6.41 mW/g
Maximum value of SAR (measured) = 15.8 mW/g

Test Date = 08/30/05
Ambient Temperature = 24.5 degree.C.
Liquid Temperature = Before 24.6 degree.C. , After 24.6 degree.C.

