

APPENDIX 2 : SAR Measurement data (5150-5350MHz)[Normal mode]

P1510D / Body / Main Side / 11a 5260 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.41 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 11.9 V/m; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 5.01 W/kg

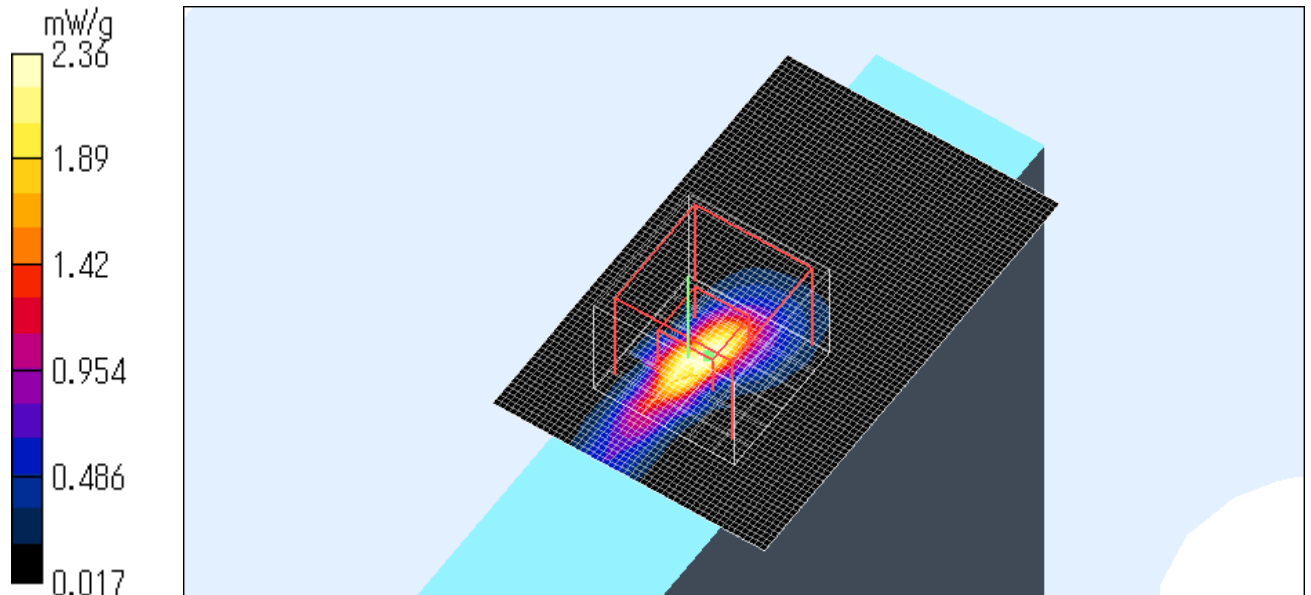
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.279 mW/

Maximum value of SAR (measured) = 2.36 mW/g

Test Date = 05/10/05

Ambient Temperature = 24.7 degree.C.

Liquid Temperature = Before 24.8 degree.C. , After 24.8 degree.C.



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P1510D / Body / Main Side / 11a 5260 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DAS4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 11.8 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 4.58 W/kg

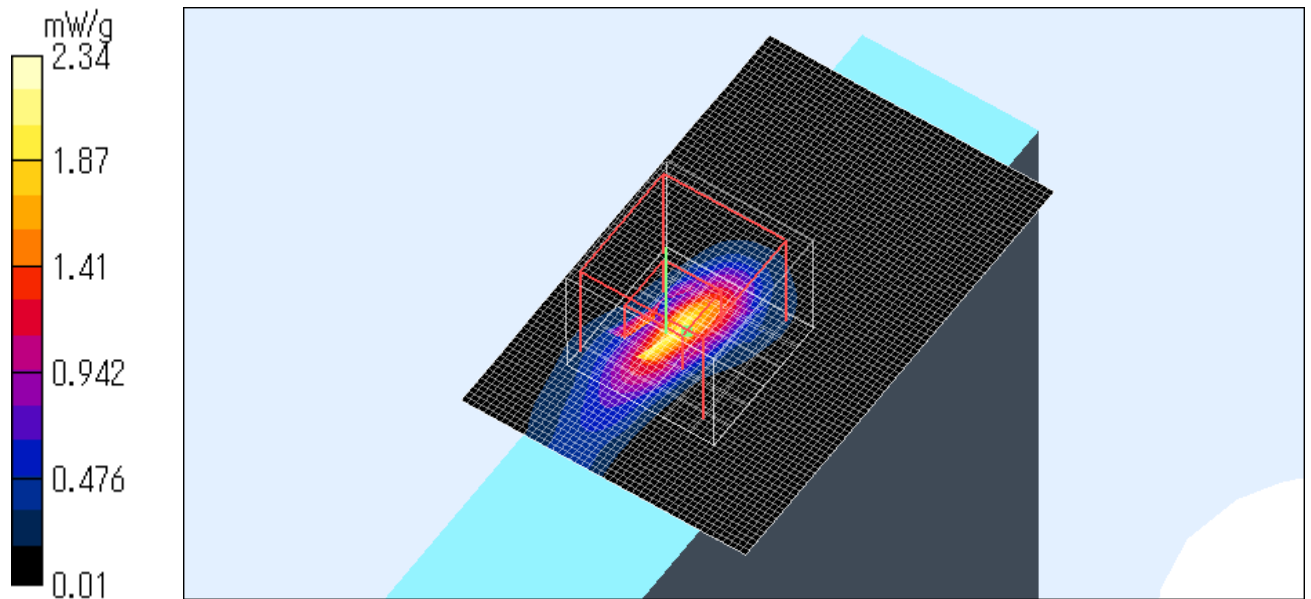
SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 2.34 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.7 degree.C. , After 24.5 degree.C.



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P1510D / Body / Main Side / 11a 5260 / 16QAM(36Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.26 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.2 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 4.69 W/kg

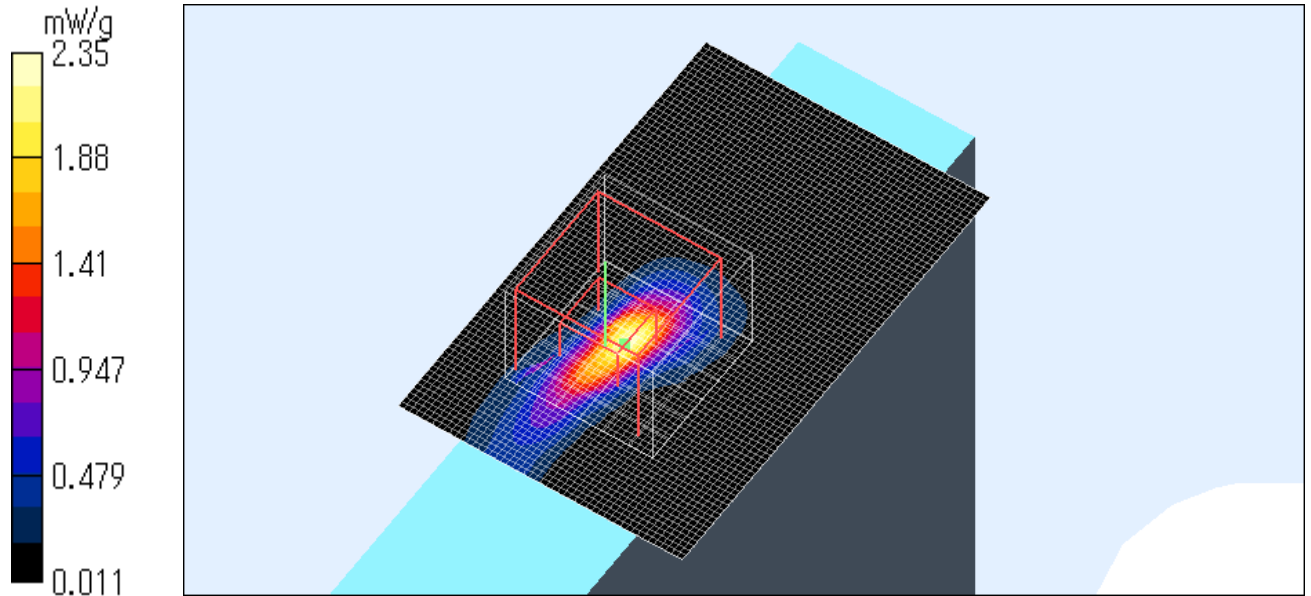
SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 2.35 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Main Side / 11a 5260 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.41 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.8 V/m; Power Drift = 0.267 dB

Peak SAR (extrapolated) = 4.78 W/kg

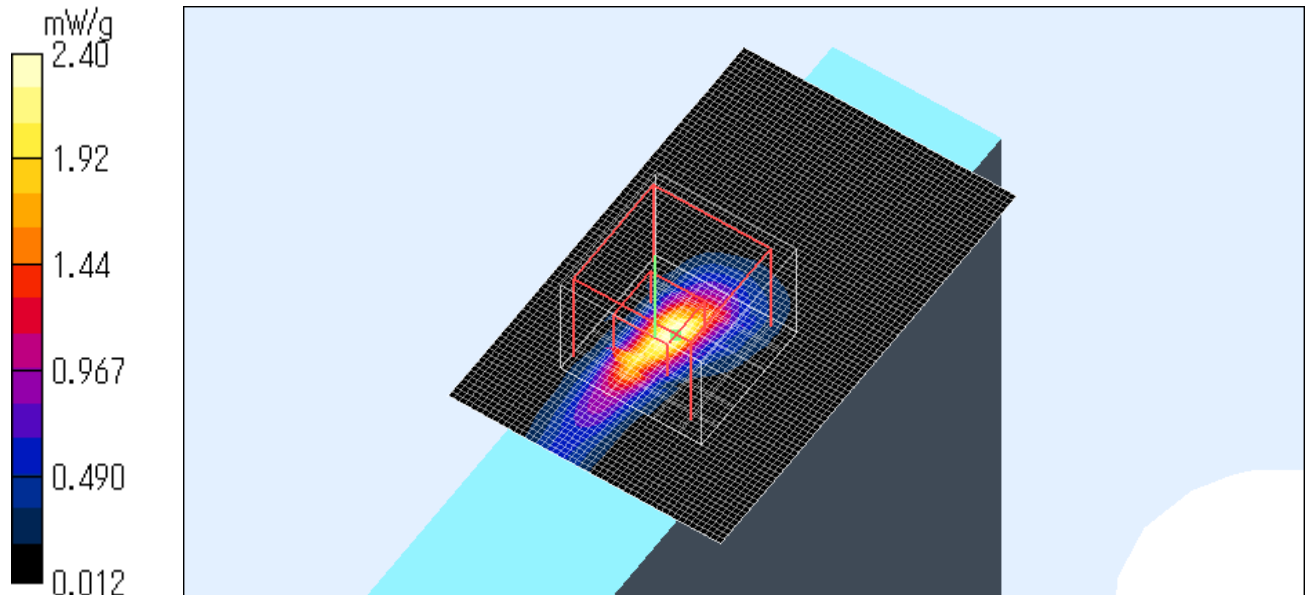
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 2.40 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Main Side / 11a 5260 / BPSK(9Mbps) / Option Battery

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 2.15 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 11.7 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 4.91 W/kg

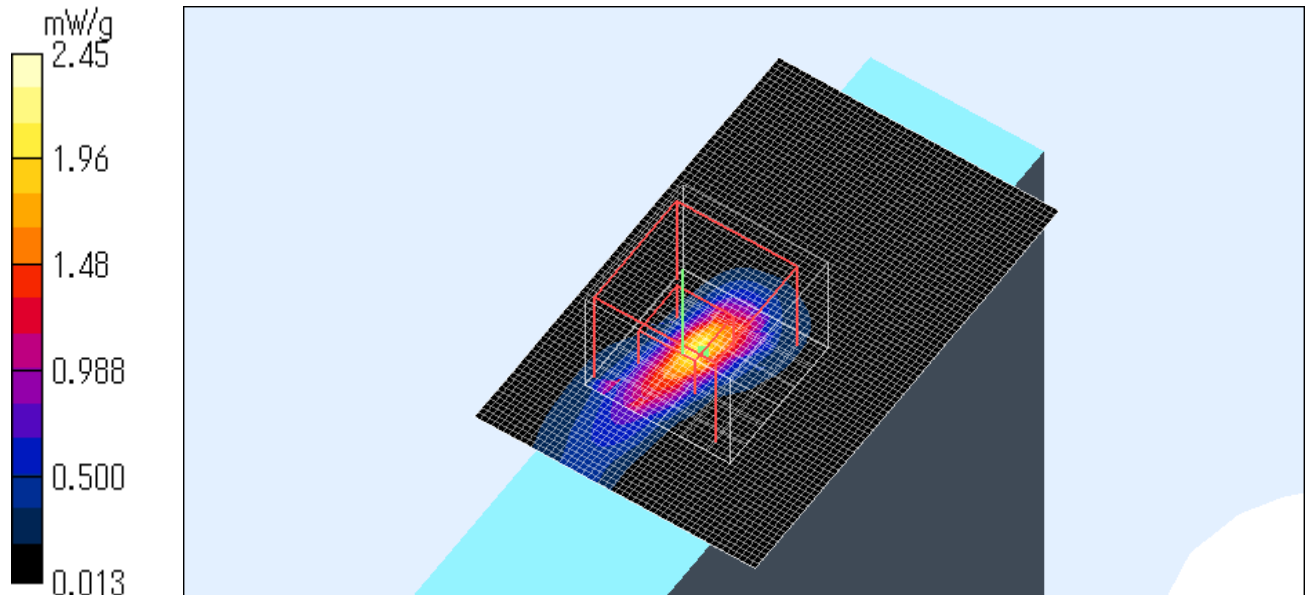
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.277 mW/g

Maximum value of SAR (measured) = 2.45 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Main Front / 11a 5260 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.08 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.45 V/m; Power Drift = 0.278 dB

Peak SAR (extrapolated) = 1.84 W/kg

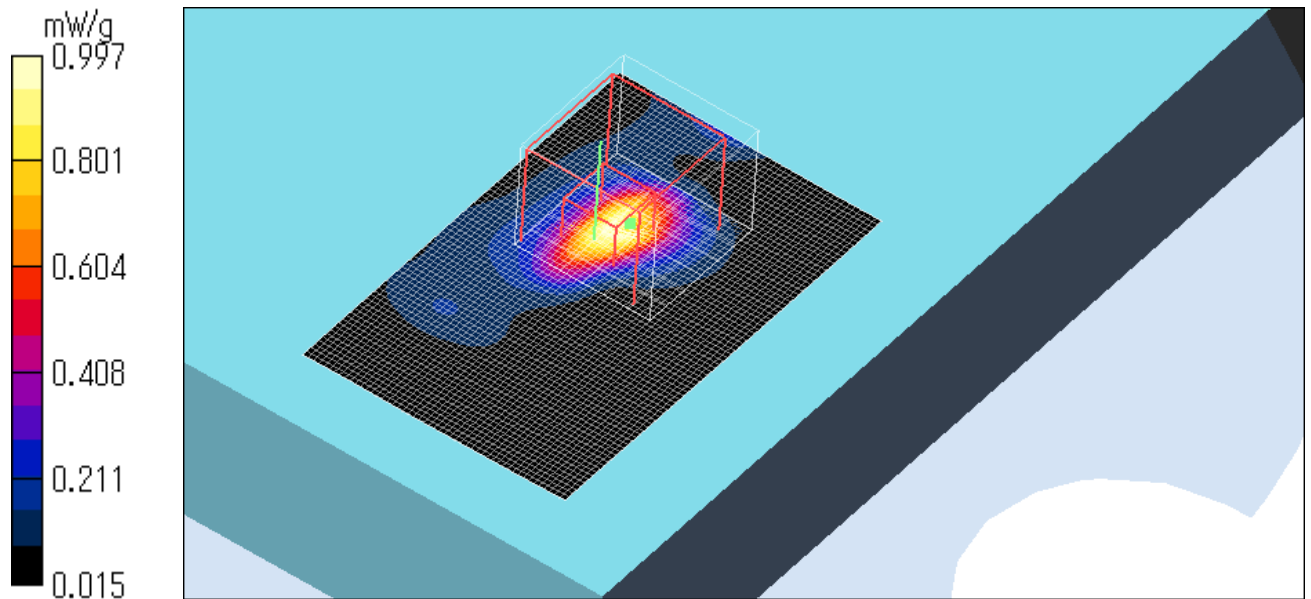
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.997 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Main Back / 11a 5260 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASYS4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.079 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 3.69 V/m; Power Drift = 0.313 dB

Peak SAR (extrapolated) = 0.112 W/kg

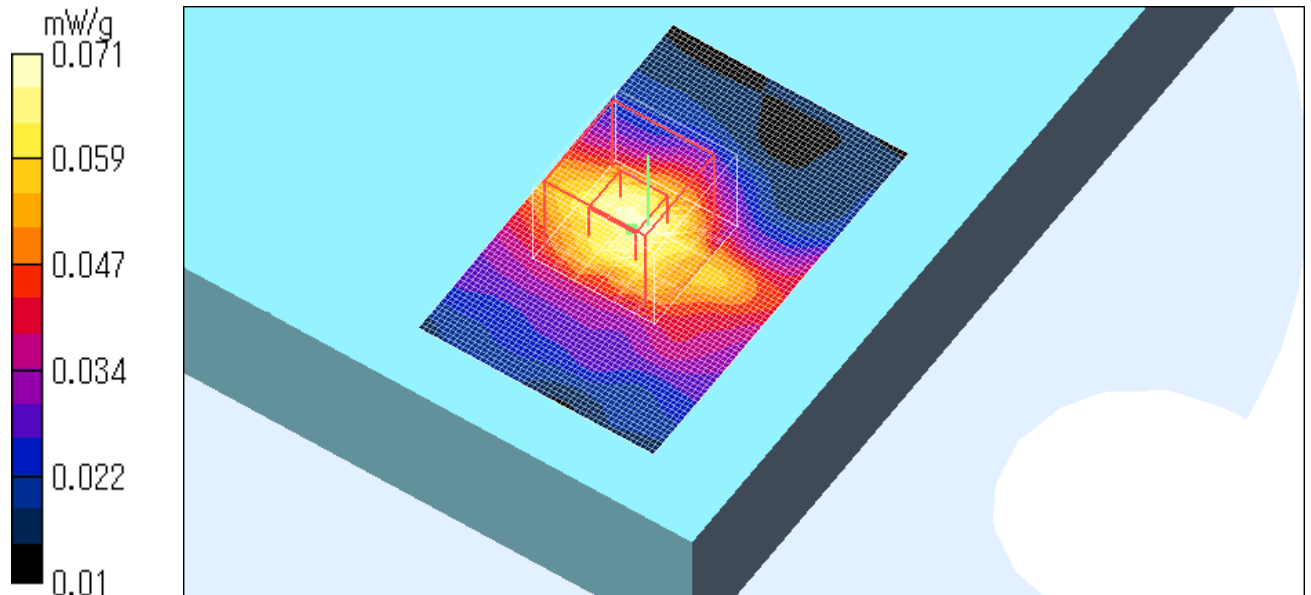
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.071 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Main Bottom / 11a 5260 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.025 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 2.04 V/m; Power Drift = -0.309 dB

Peak SAR (extrapolated) = 0.035 W/kg

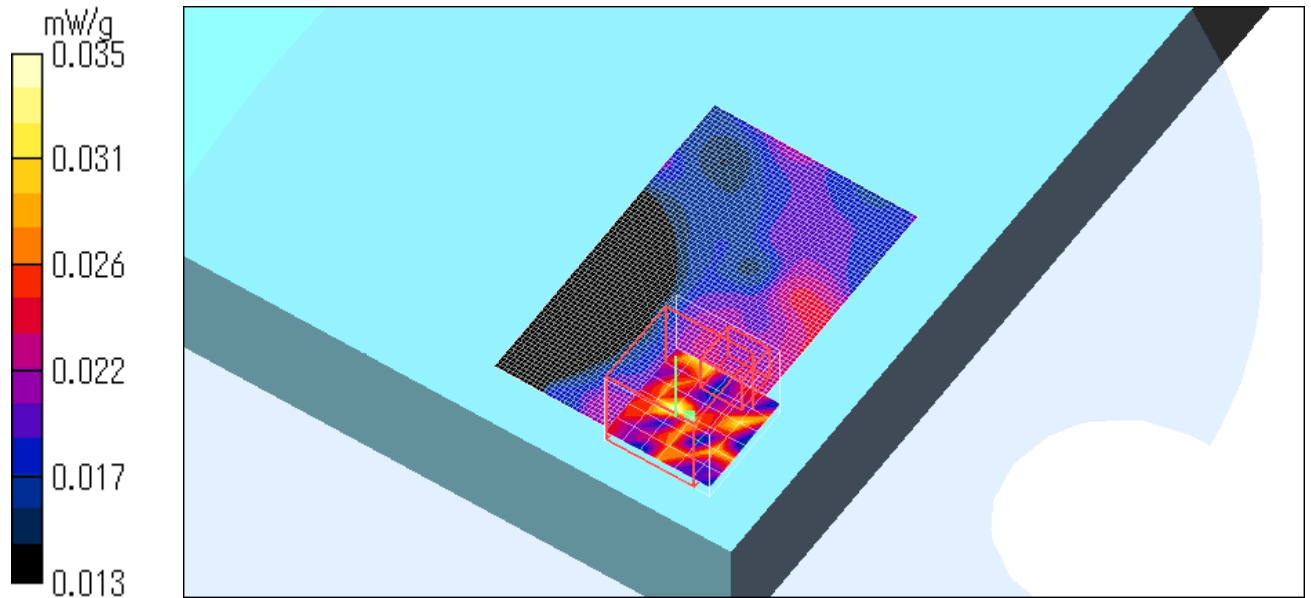
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.035 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Main Side / 11a 5180 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.25 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.64 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 3.35 W/kg

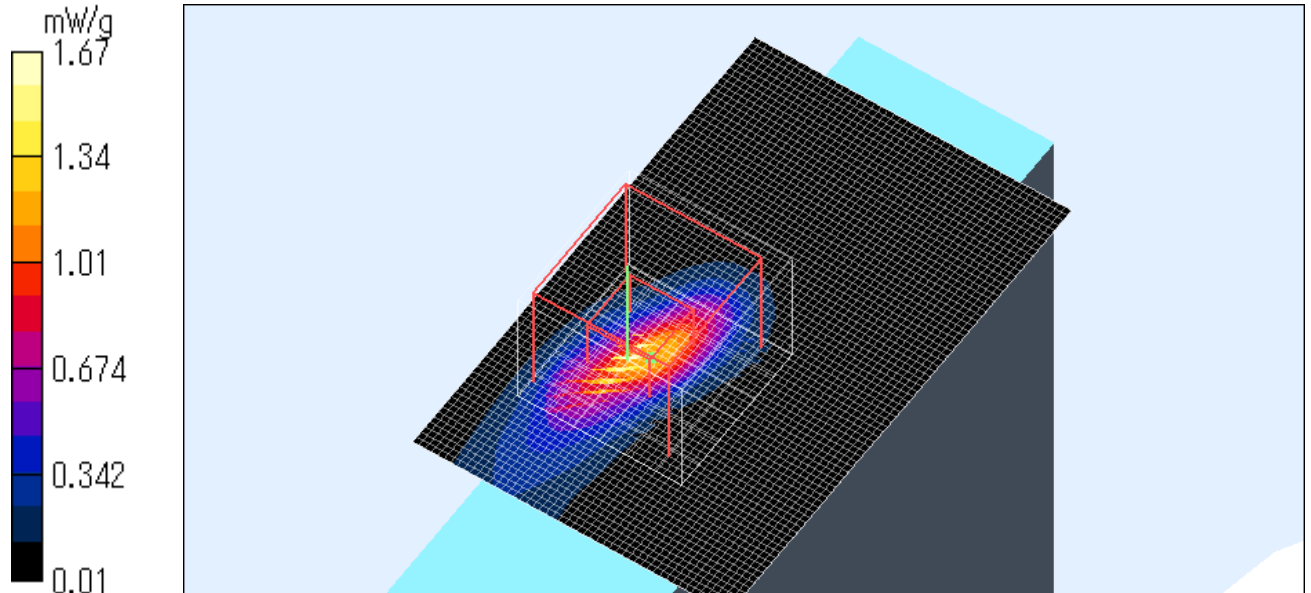
SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 1.67 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Main Side / 11a 5320 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.12 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.9 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 4.14 W/kg

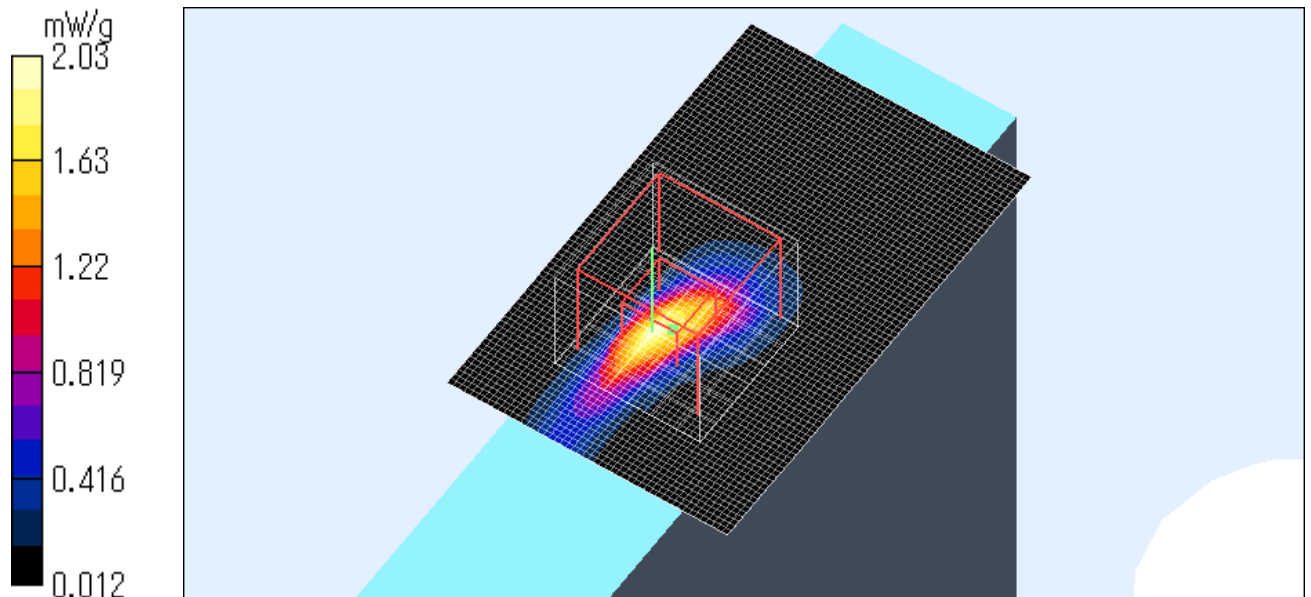
SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 2.03 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5260 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.76 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.58 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 4.42 W/kg

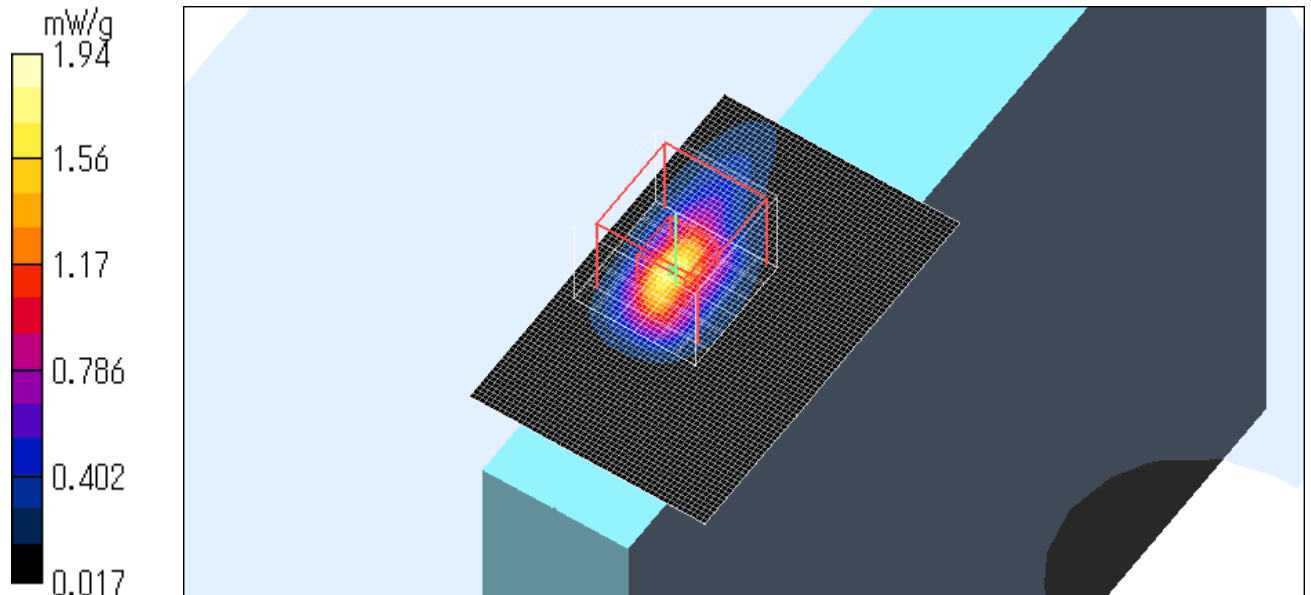
SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 1.94 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5260 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.94 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.3 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 3.90 W/kg

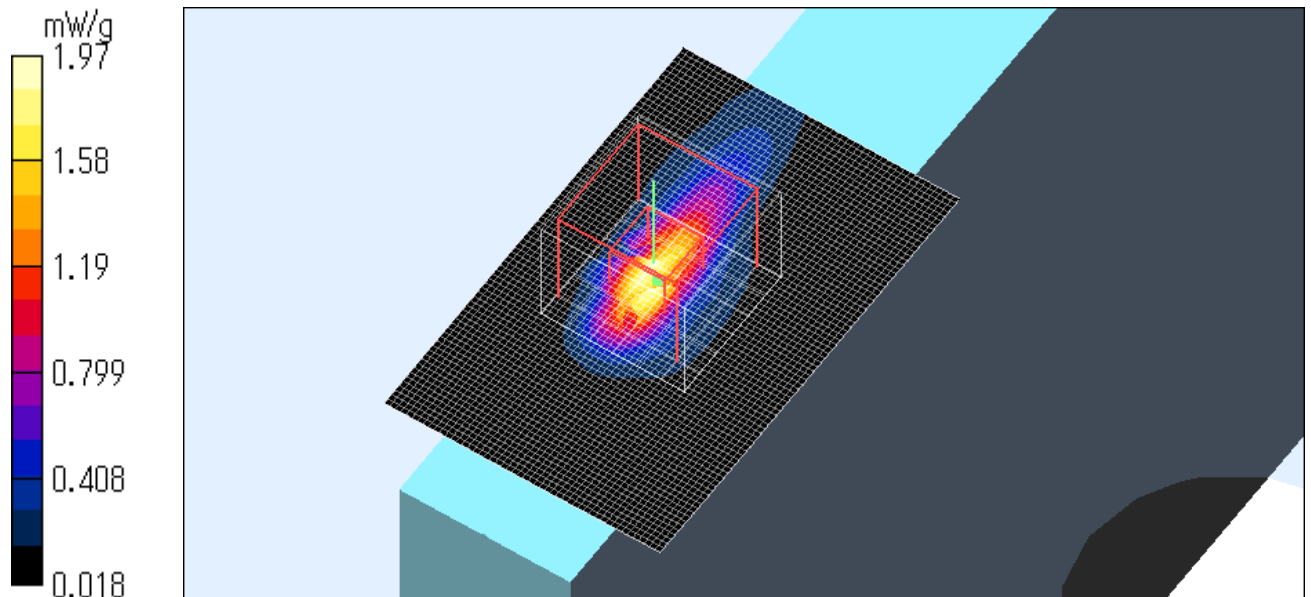
SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.248 mW/g

Maximum value of SAR (measured) = 1.97 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5260 / 16QAM(36Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.67 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.77 V/m; Power Drift = -0.246 dB

Peak SAR (extrapolated) = 3.94 W/kg

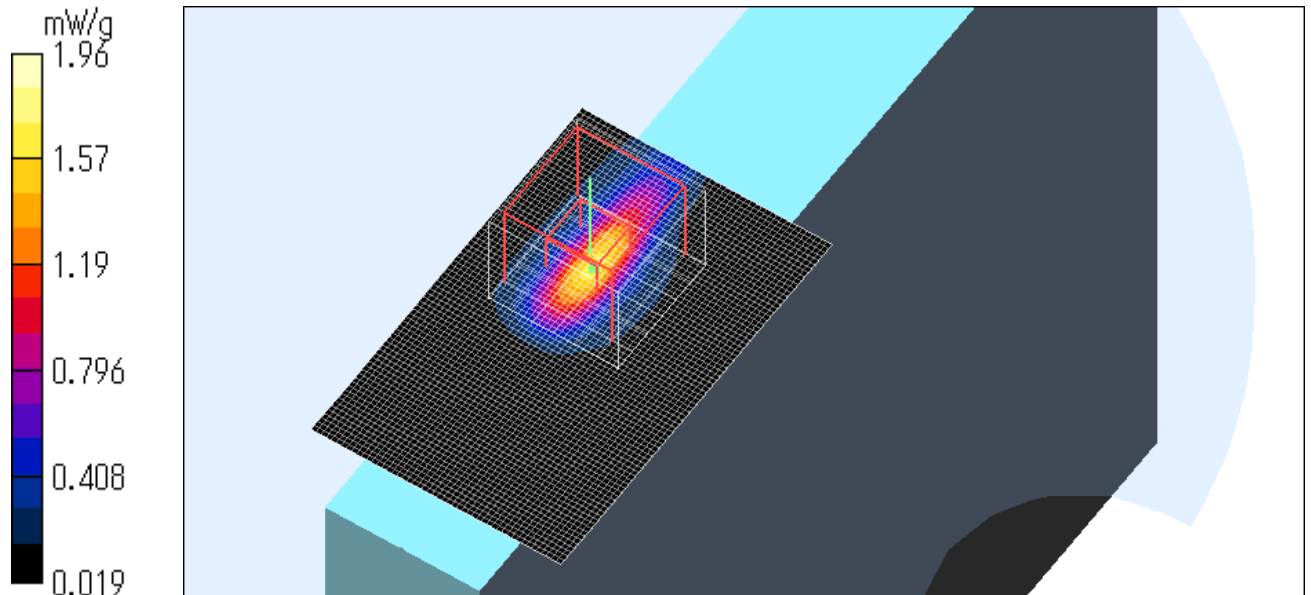
SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.253 mW/g

Maximum value of SAR (measured) = 1.96 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5260 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.96 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.10 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 4.37 W/kg

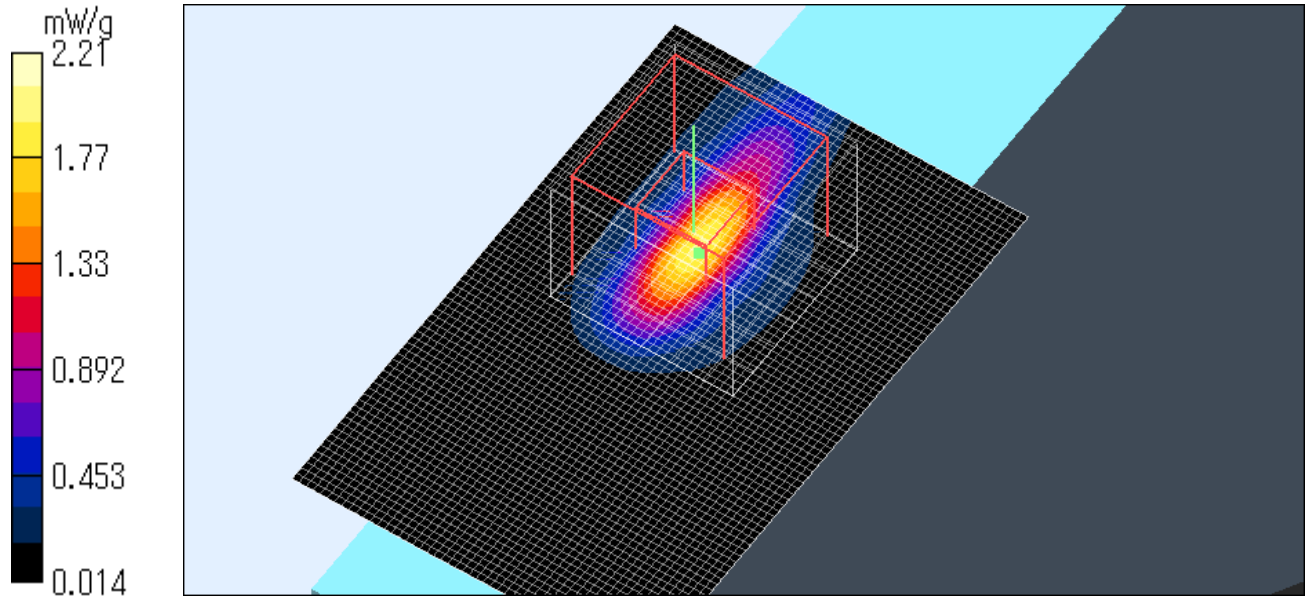
SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 2.21 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Front / 11a 5260 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.826 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 6.53 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 1.49 W/kg

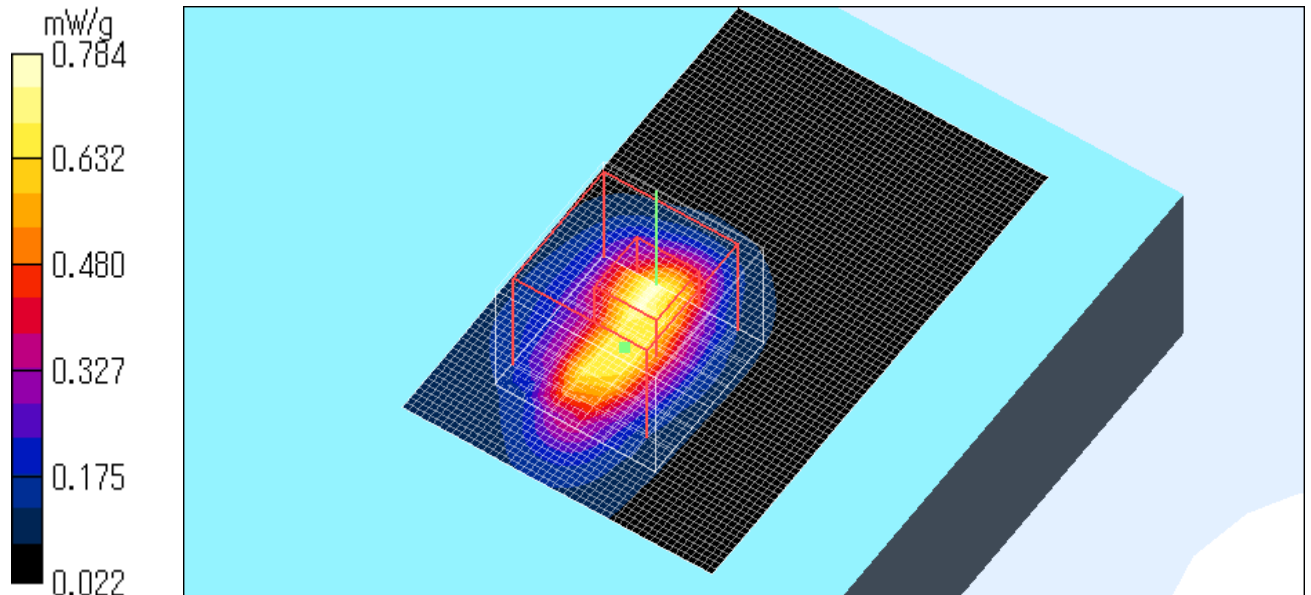
SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.784 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Back / 11a 5260 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DAS4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.037 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 1.99 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.072 W/kg

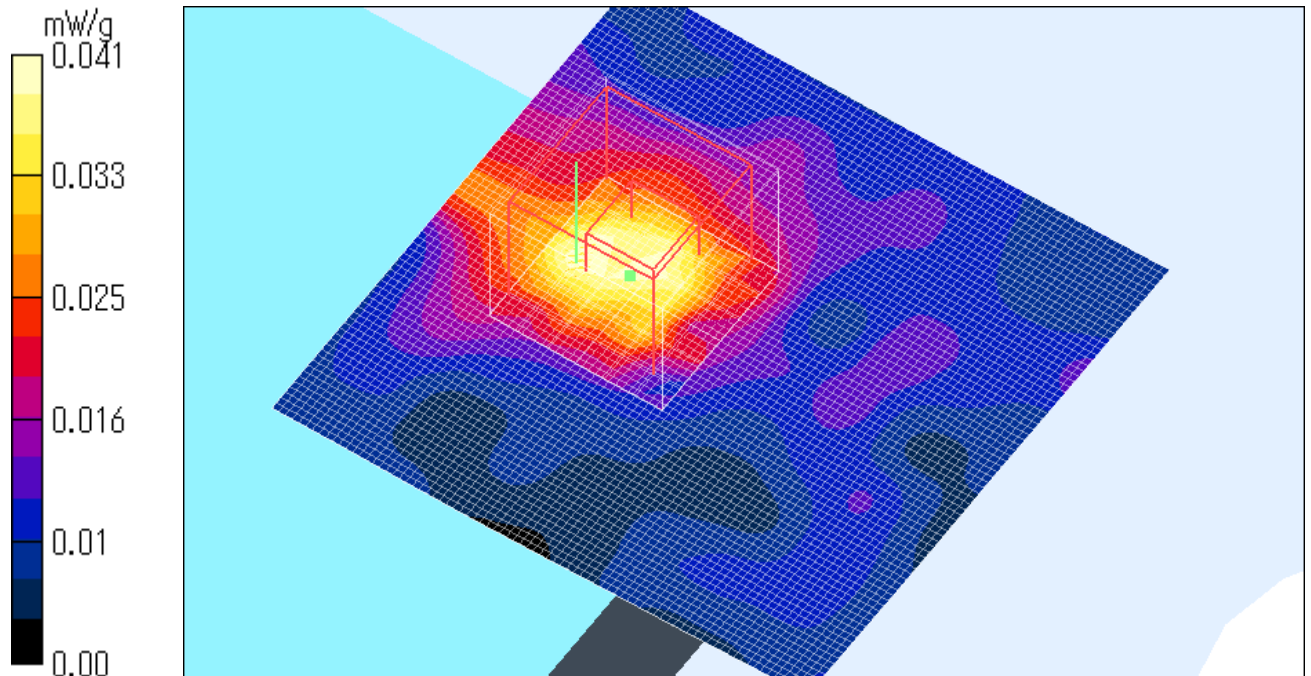
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.041 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Bottom / 11a 5260 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.033 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 1.57 V/m; Power Drift = 0.242 dB

Peak SAR (extrapolated) = 0.037 W/kg

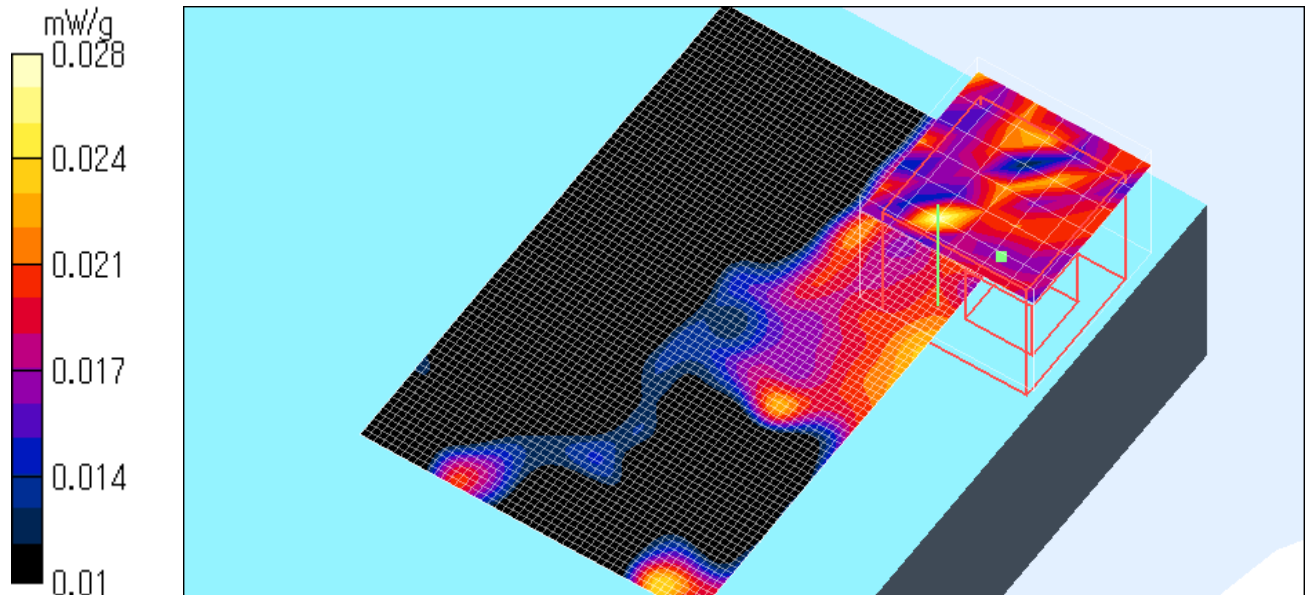
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.028 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5180 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.935 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.46 V/m; Power Drift = -0.315 dB

Peak SAR (extrapolated) = 2.04 W/kg

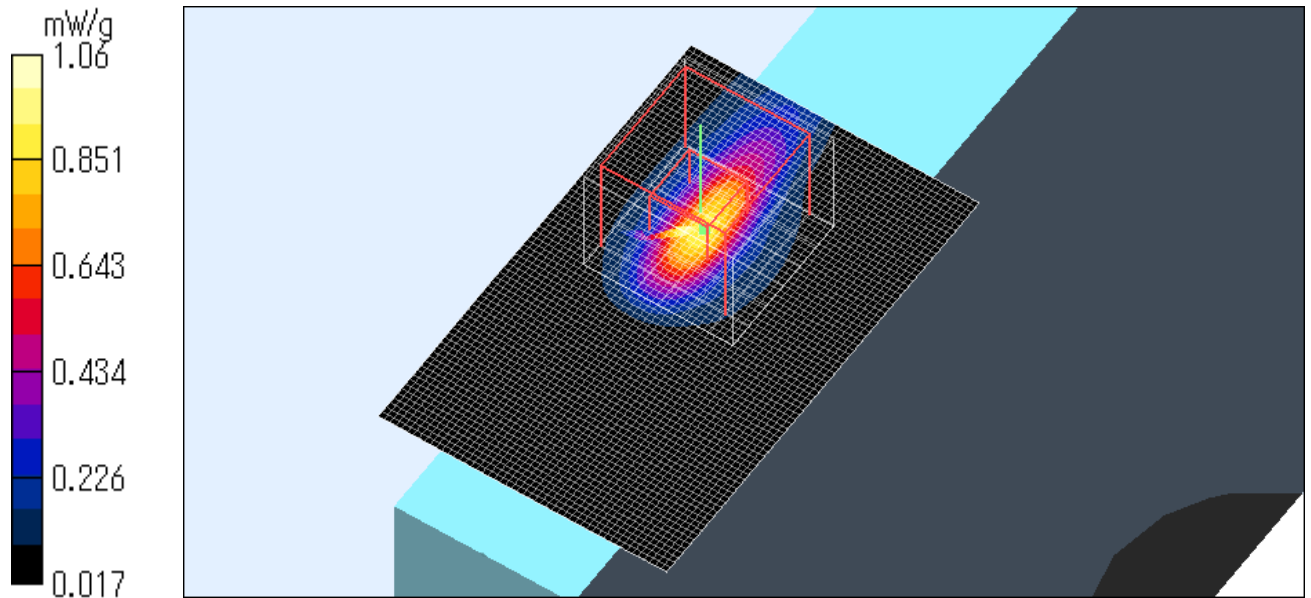
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR (measured) = 1.06 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5320 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.03 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.46 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 2.88 W/kg

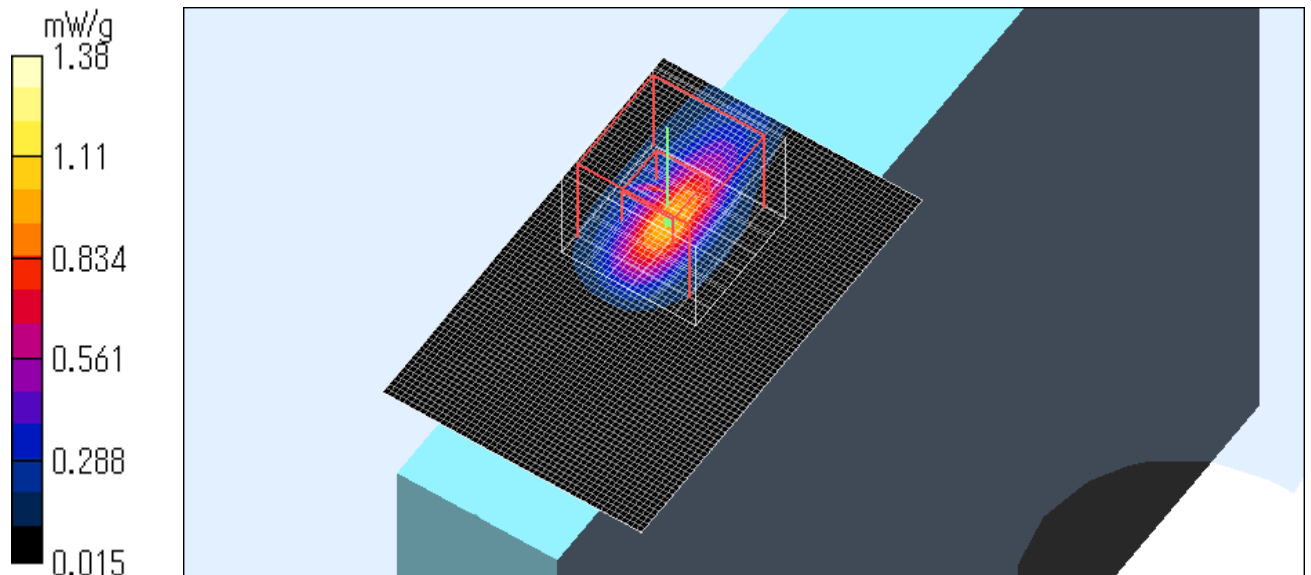
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.171 mW/g

Maximum value of SAR (measured) = 1.38 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

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



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APPENDIX 3 : SAR Measurement data (5725-5850MHz)[Normal mode]

P1510D / Body / Main Side / 11a 5785/ BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.601 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.86 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 1.30 W/kg

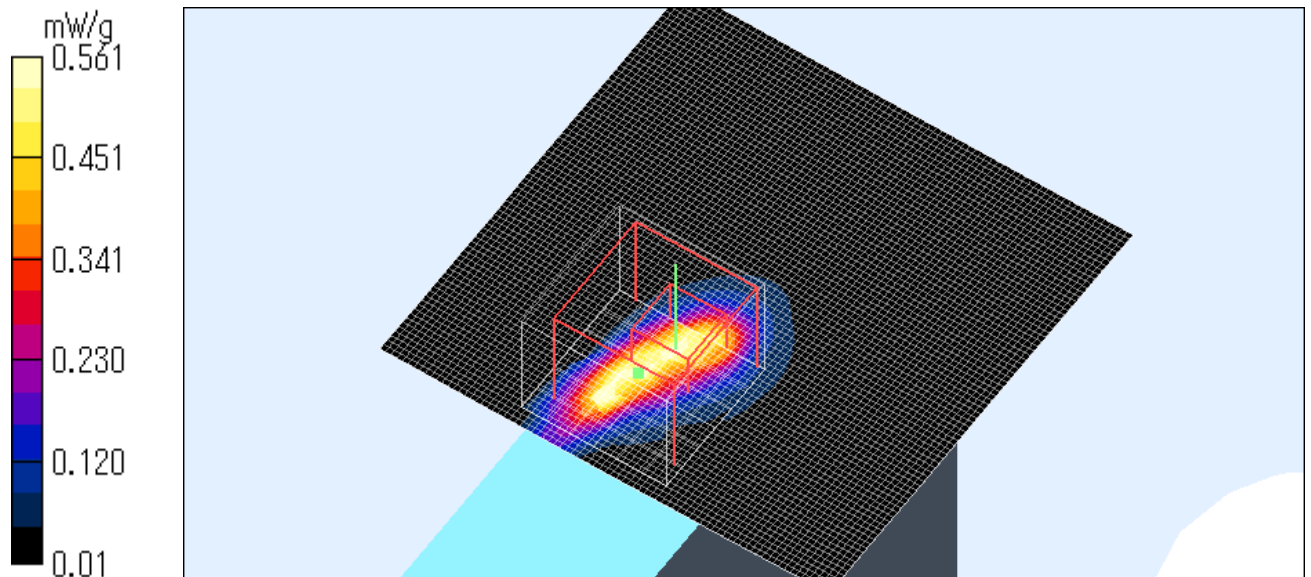
SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.561 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.0 degree.C. , After 24.0 degree.C.



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P1510D / Body / Main Side / 11a 5785/ QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.570 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 1.91 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.54 W/kg

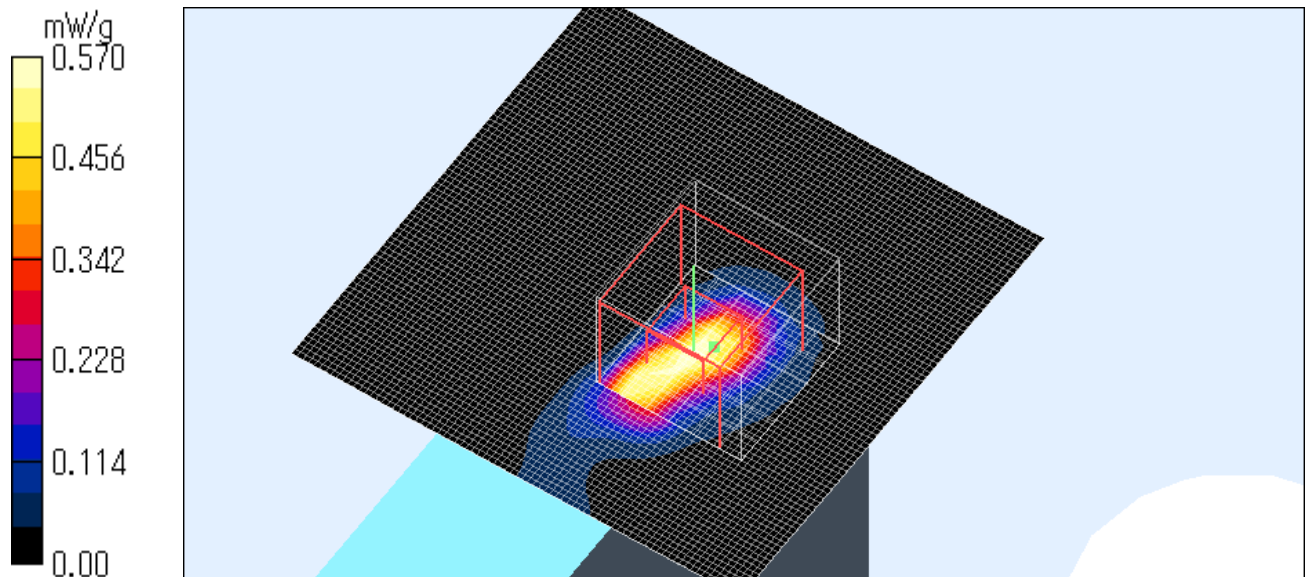
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.582 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.0 degree.C. , After 24.0 degree.C.



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P1510D / Body / Main Side / 11a 5785/ 16QAM(24Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.768 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.98 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 1.42 W/kg

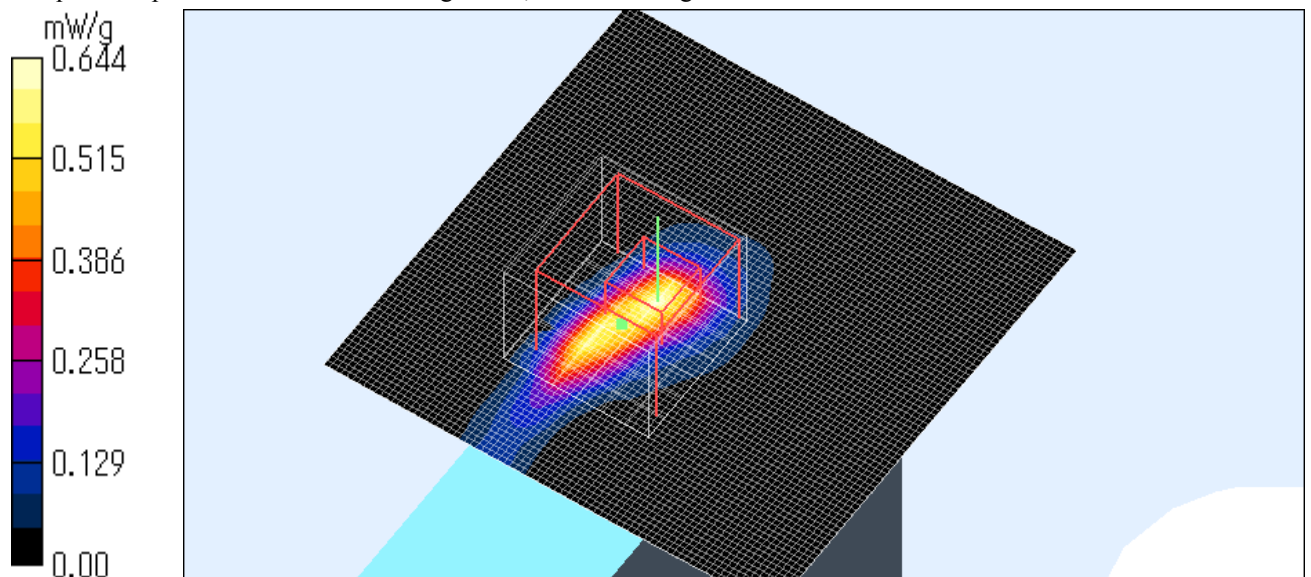
SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.644 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.1 degree.C. , After 24.1 degree.C.



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P1510D / Body / Main Side / 11a 5785/ 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.29 \text{ mho/m}$; $\epsilon_r = 45.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.741 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 9.57 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.50 W/kg

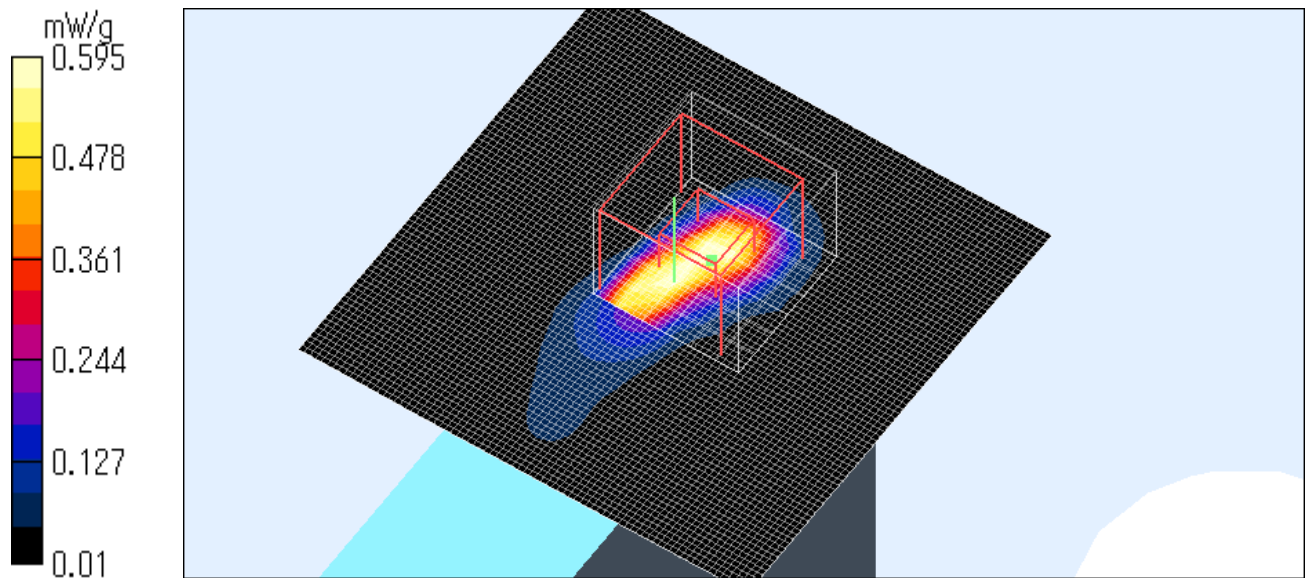
SAR(1 g) = 0.296 mW/g ; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.595 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.1 degree.C. , After 24.3 degree.C.



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P1510D / Body / Main Side / 11a 5785 / 64QAM(54Mbps) / Option Battery

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.735 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 9.33 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 1.43 W/kg

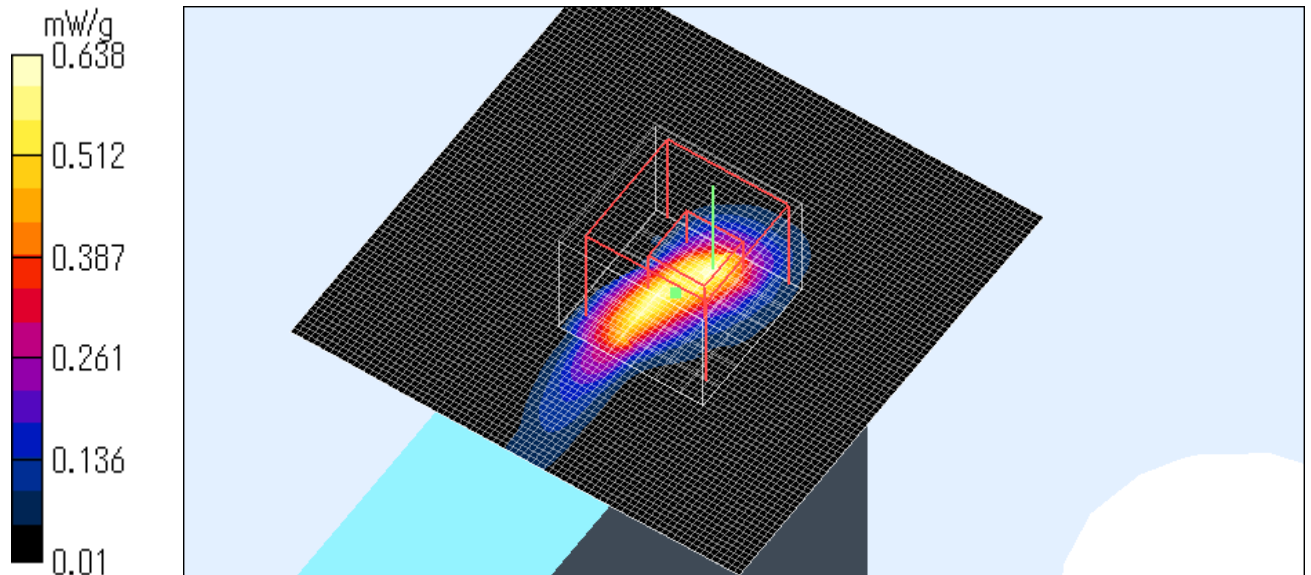
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.638 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.2 degree.C. , After 24.3 degree.C.



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P1510D / Body / Main Front / 11a 5785 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.436 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 6.84 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 1.40 W/kg

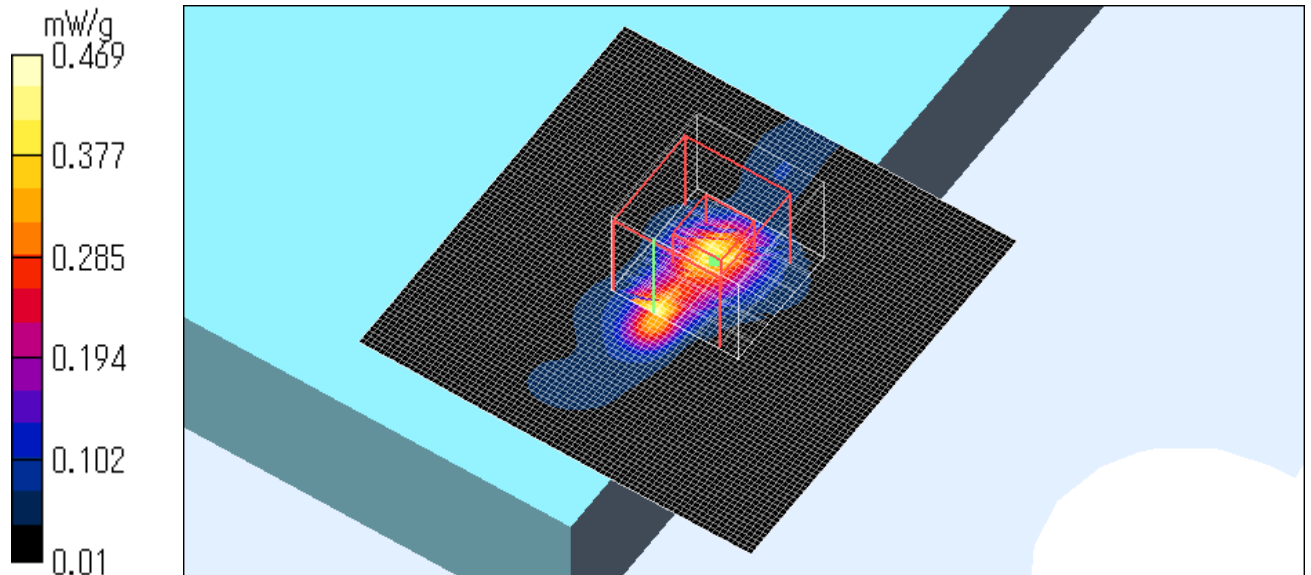
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.469 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.2 degree.C. , After 24.3 degree.C.



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P1510D / Body / Main Back / 11a 5785 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.042 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.32 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 0.091 W/kg

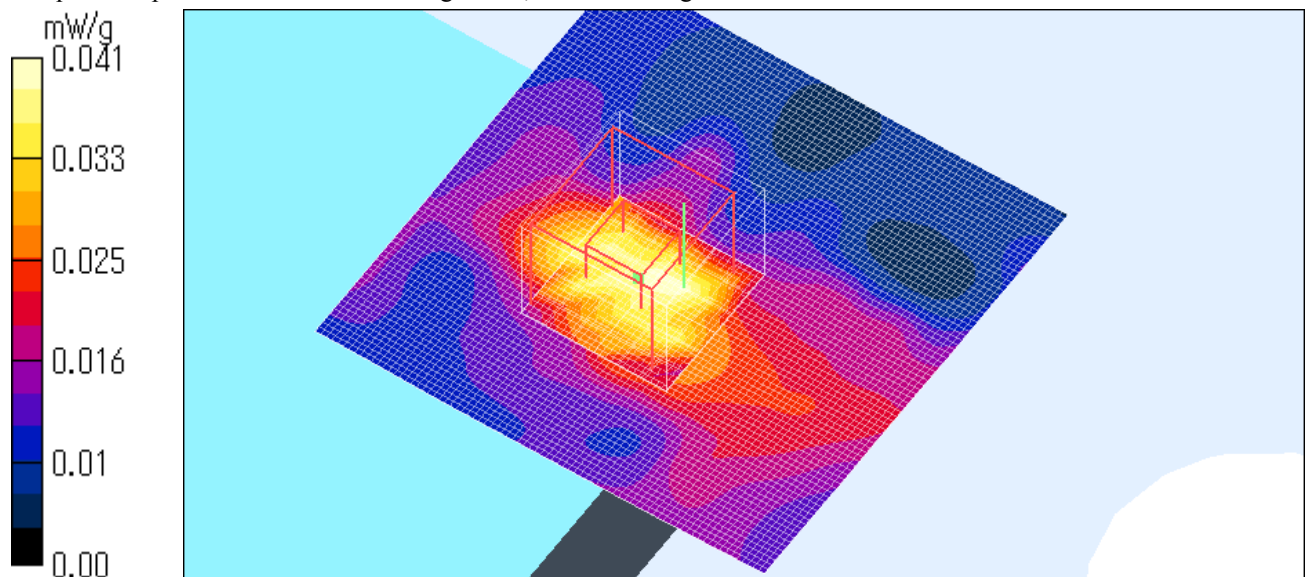
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.041 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.1 degree.C. , After 24.2 degree.C.



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P1510D / Body / Main Bottom / 11a 5785 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.031 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 1.20 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.035 W/kg

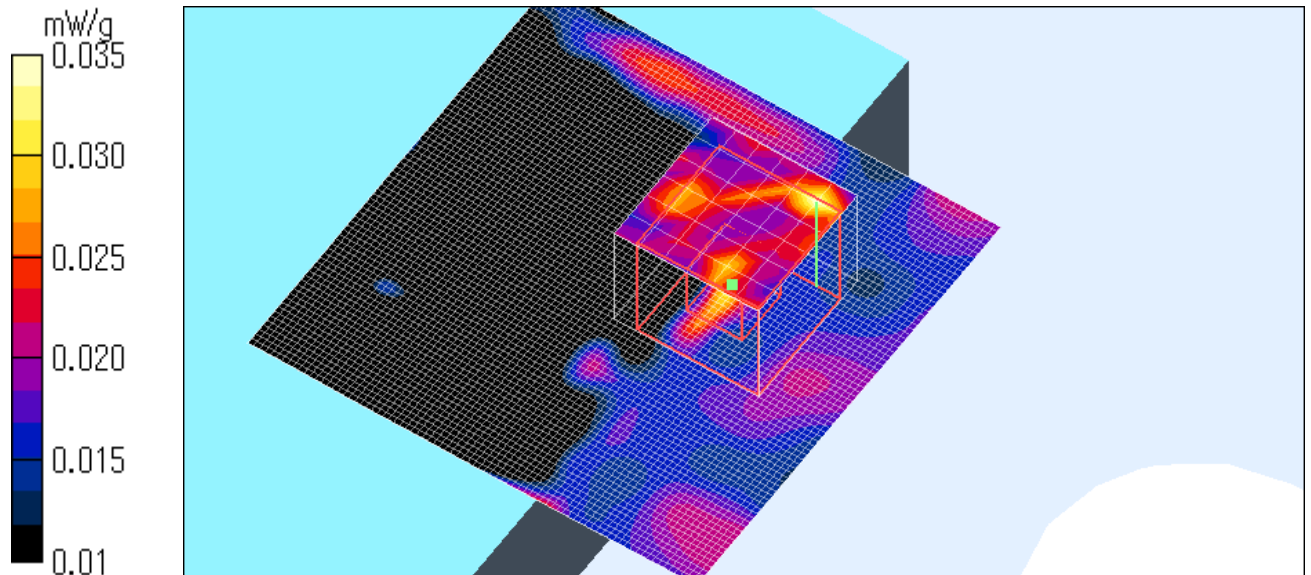
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.035 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.4 degree.C. , After 24.2 degree.C.



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P1510D / Body / Main Side / 11a 5745 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.29 \text{ mho/m}$; $\epsilon_r = 45.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.884 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 11.2 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 1.63 W/kg

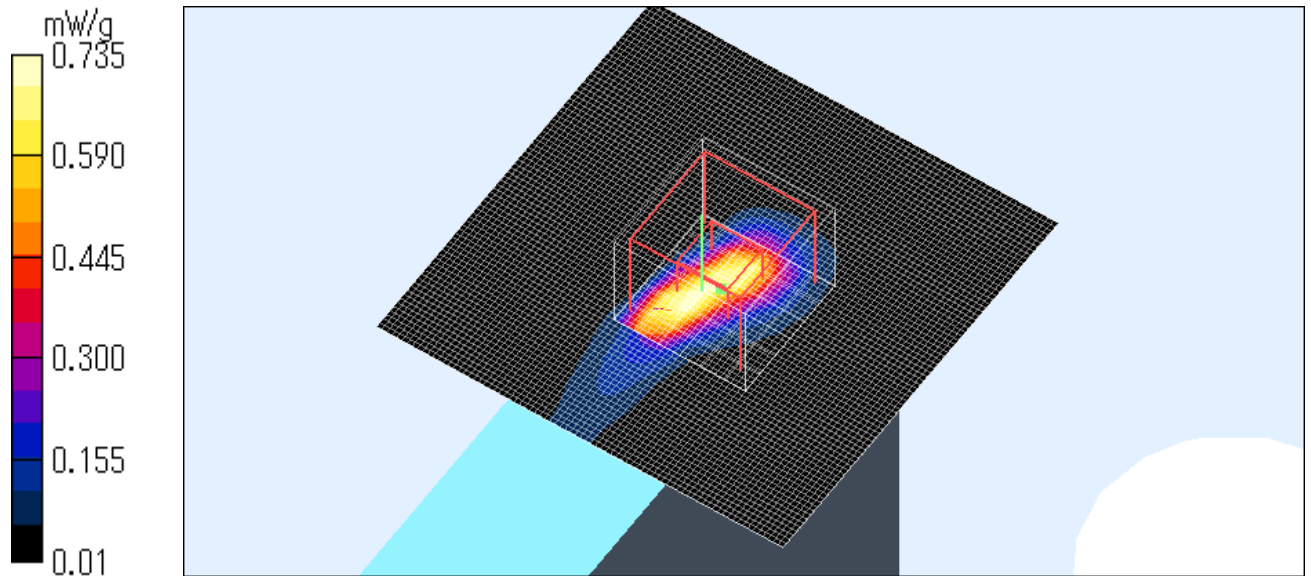
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.735 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.2 degree.C. , After 24.0 degree.C.



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P1510D / Body / Main Side / 11a 5825 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.588 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 8.11 V/m; Power Drift = 0.272 dB

Peak SAR (extrapolated) = 1.25 W/kg

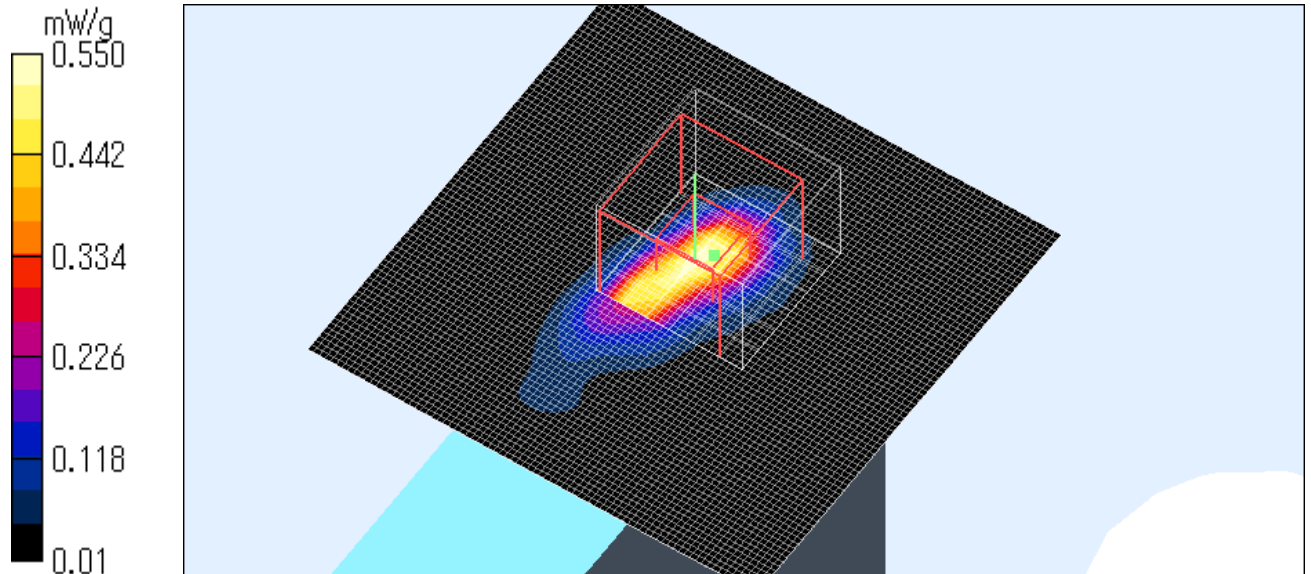
SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.550 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.0 degree.C. , After 24.1 degree.C.



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P1510D / Body / Aux Side / 11a 5785 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.807 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.26 V/m; Power Drift = 0.224 dB

Peak SAR (extrapolated) = 2.84 W/kg

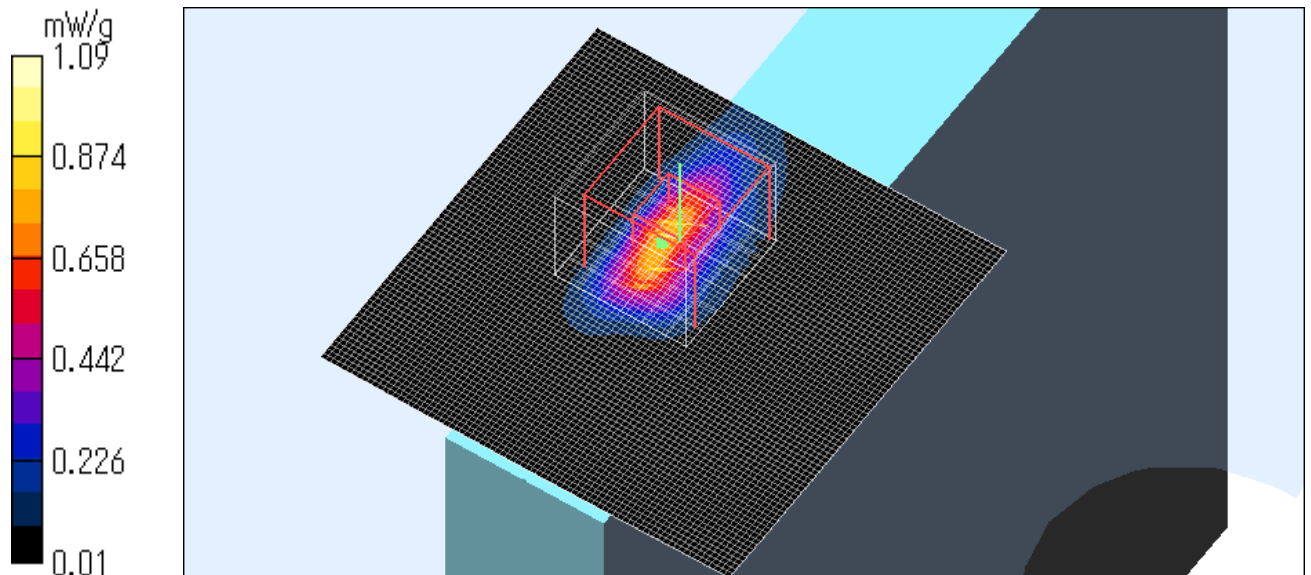
SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 1.09 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.8 degree.C. , After 24.7 degree.C.



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P1510D / Body / Aux Side / 11a 5785 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.817 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 10.7 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 2.33 W/kg

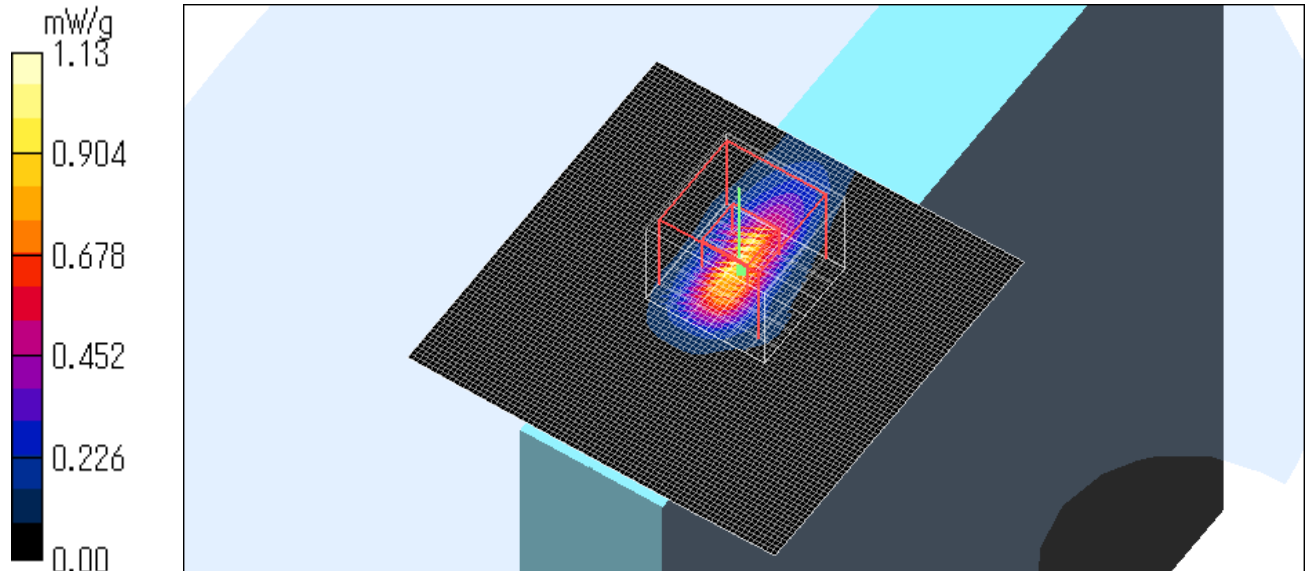
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 1.13 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.7 degree.C. , After 24.6 degree.C.



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P1510D / Body / Aux Side / 11a 5785 / 16QAM(24Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.01 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.63 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 2.56 W/kg

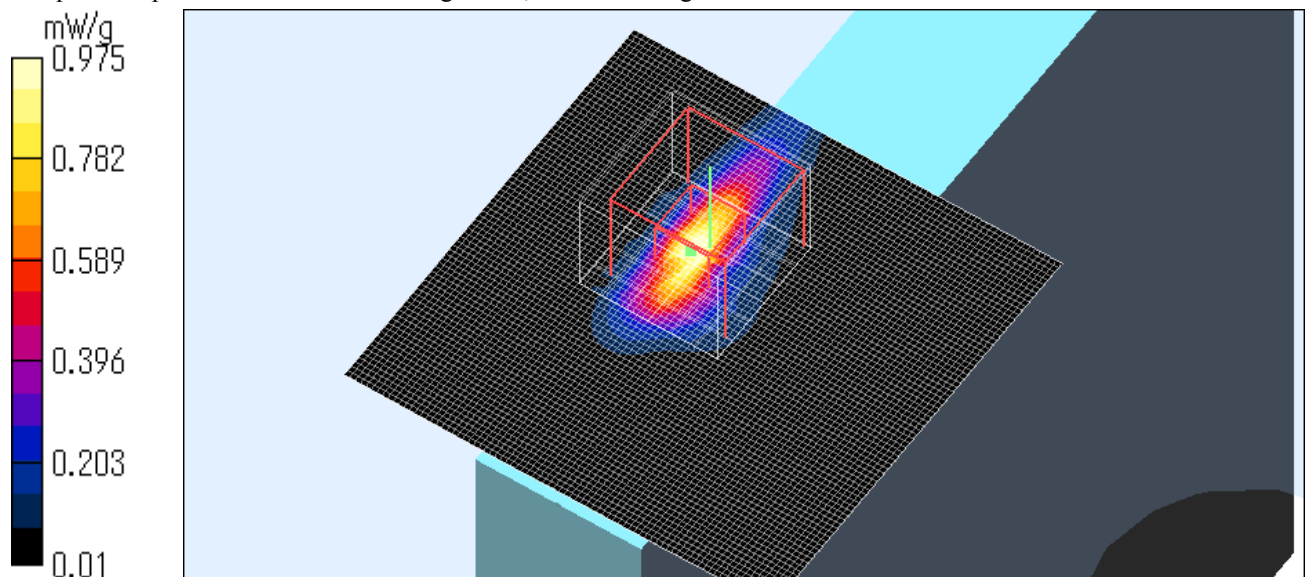
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.975 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5785 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.729 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.27 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 2.41 W/kg

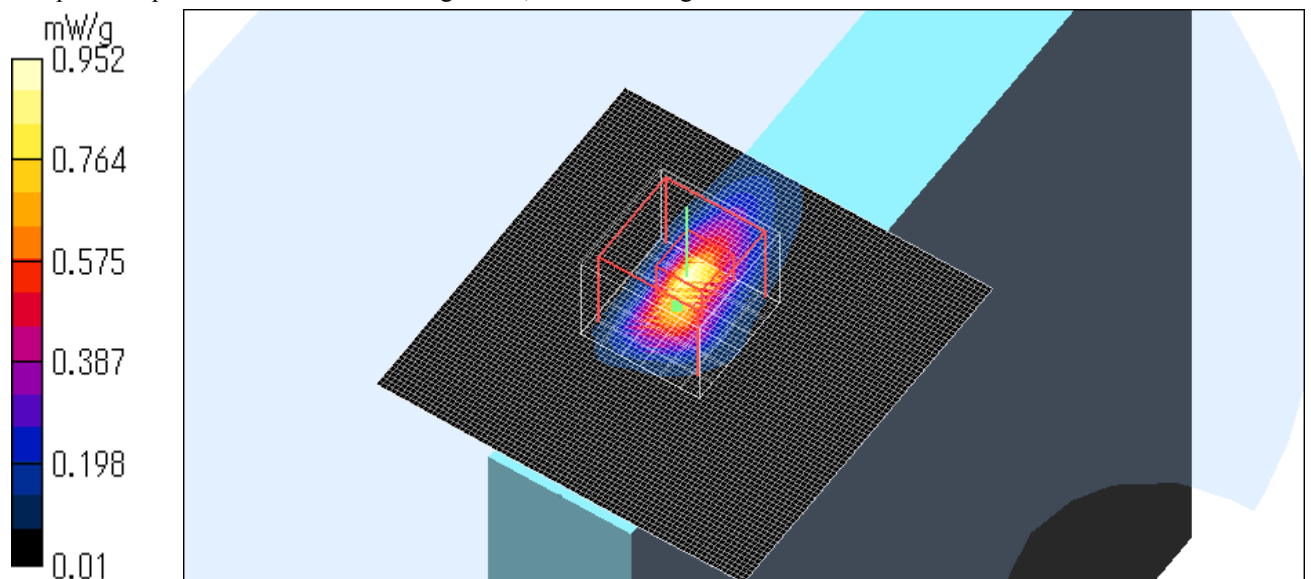
SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.952 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Front/ 11a 5785 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.412 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 6.25 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 1.17 W/kg

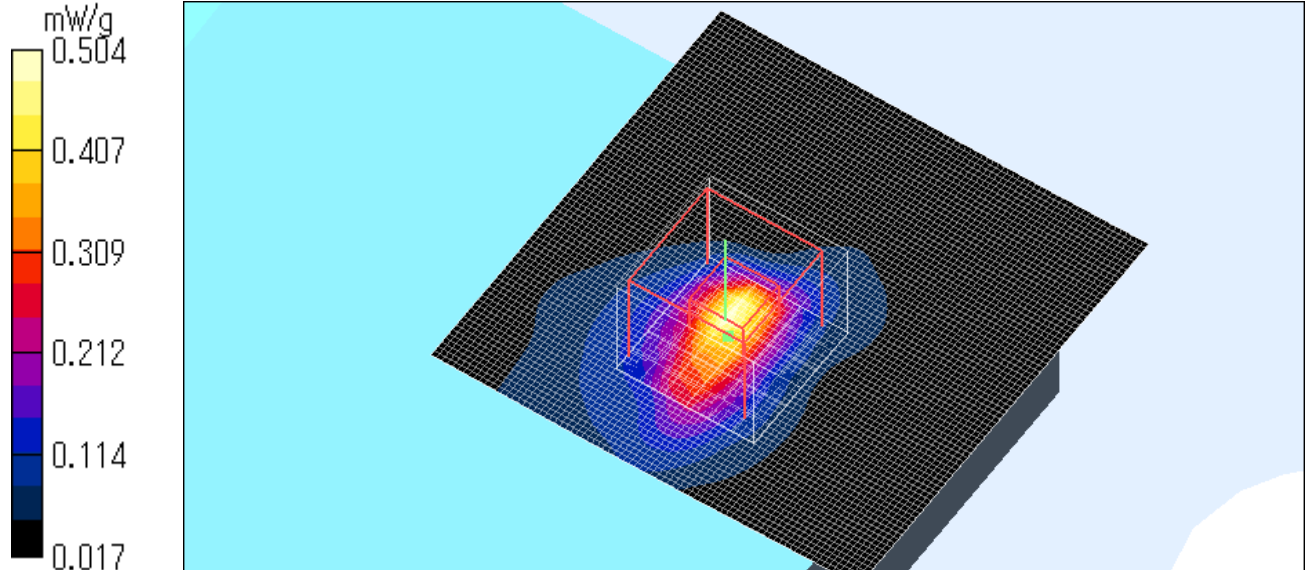
SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.504 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Back/ 11a 5785 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.053 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 2.00 V/m; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 0.093 W/kg

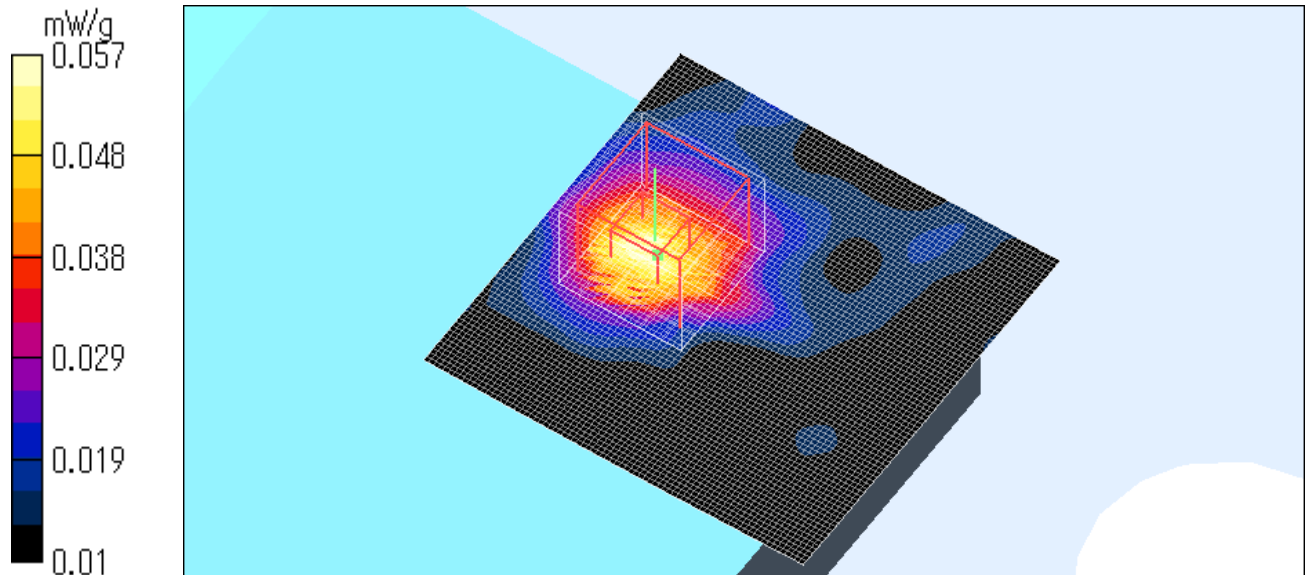
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.057 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Bottom / 11a 5785 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.019 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.51 V/m; Power Drift = 0.256 dB

Peak SAR (extrapolated) = 0.057 W/kg

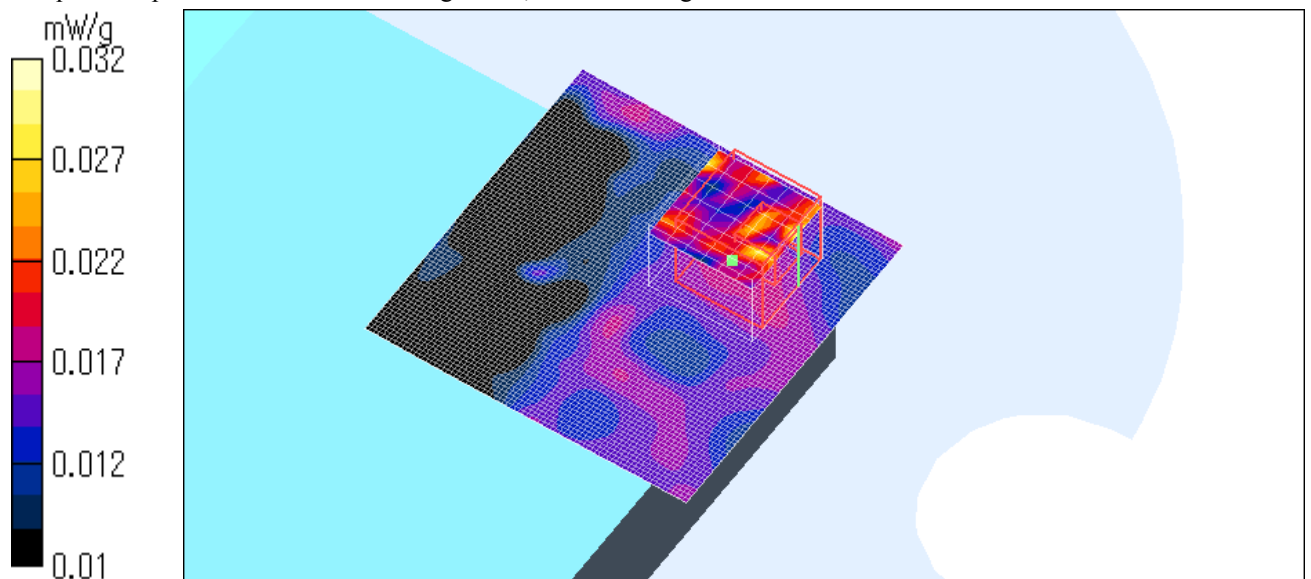
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.032 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5745 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.47 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.14 V/m; Power Drift = -0.237 dB

Peak SAR (extrapolated) = 3.06 W/kg

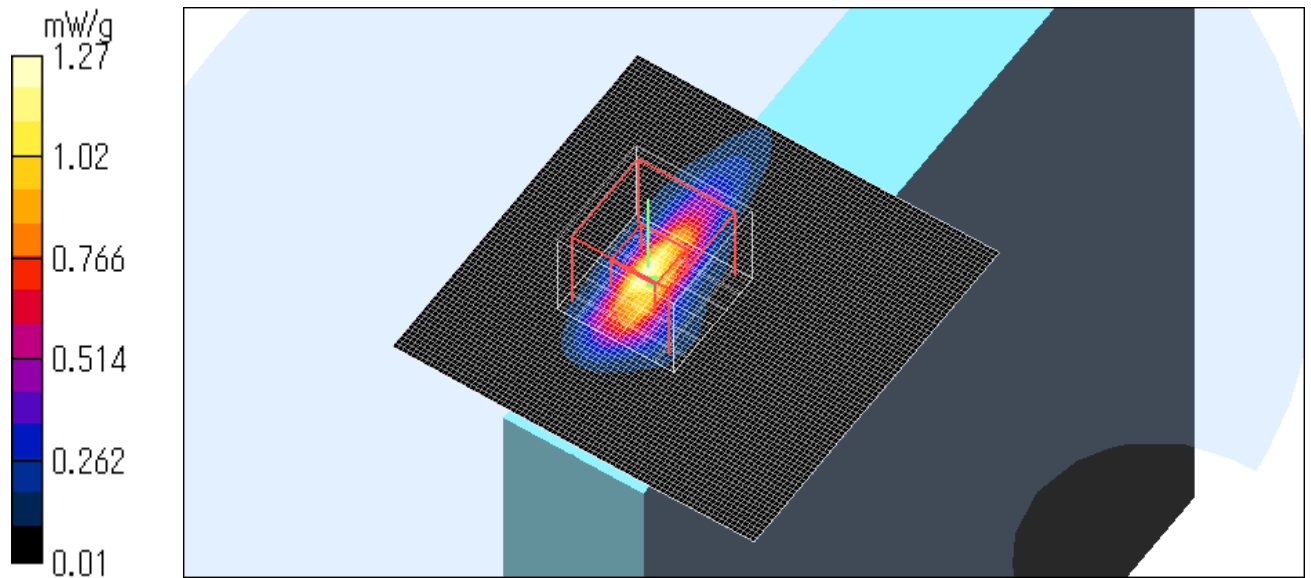
SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (measured) = 1.27 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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Z-axis at maximum SAR location

P1510D / Body / Aux Side / 11a 5745 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

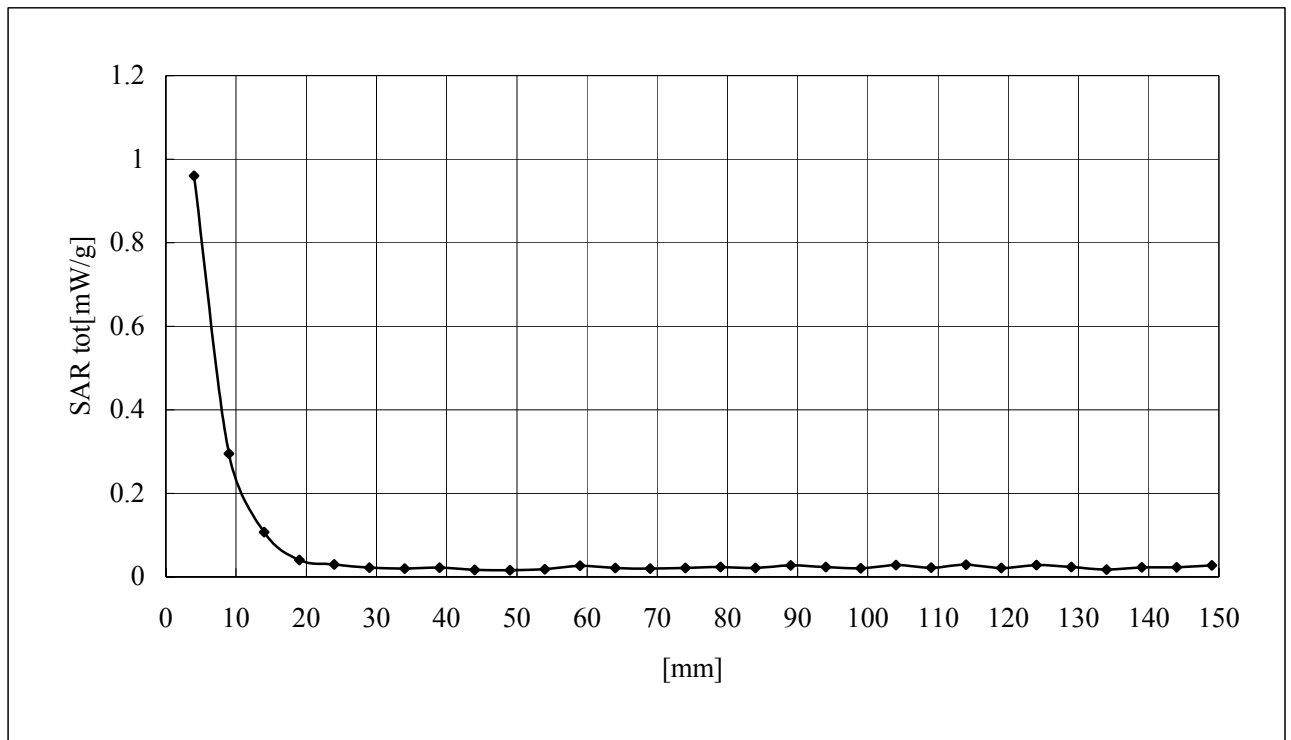
Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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



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P1510D / Body / Aux Side / 11a 5825 / BPSK(9Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.06 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.51 V/m; Power Drift = 0.312 dB

Peak SAR (extrapolated) = 2.62 W/kg

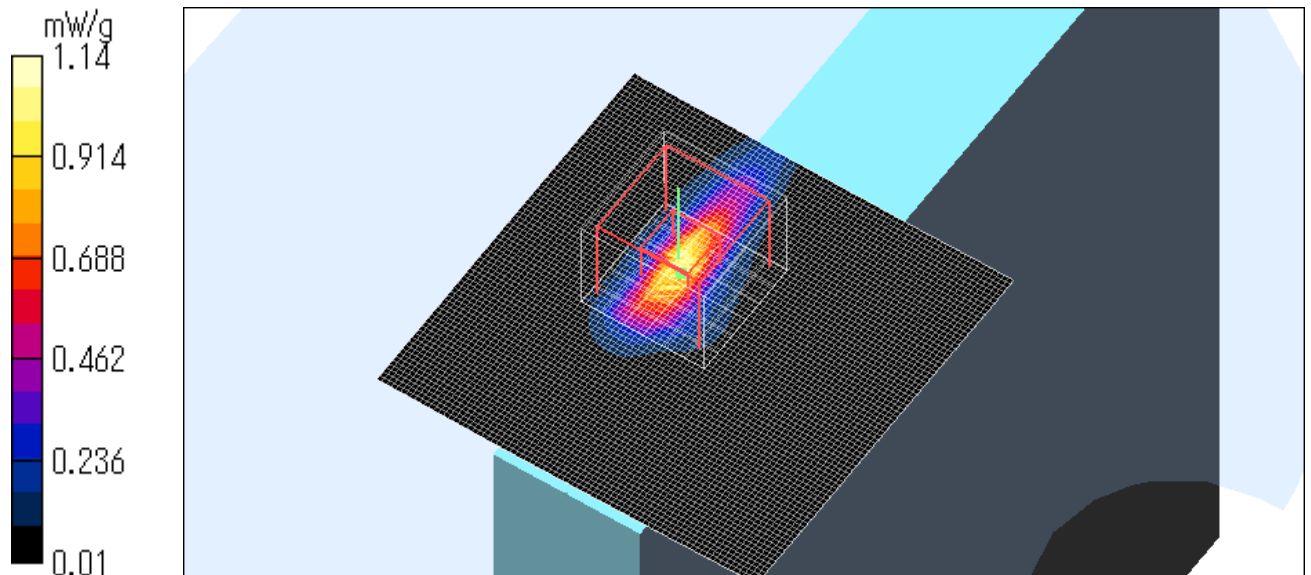
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 1.14 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5745 / BPSK(9Mbps) / 5mm

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.256 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 5.46 V/m; Power Drift = 0.615 dB

Peak SAR (extrapolated) = 0.408 W/kg

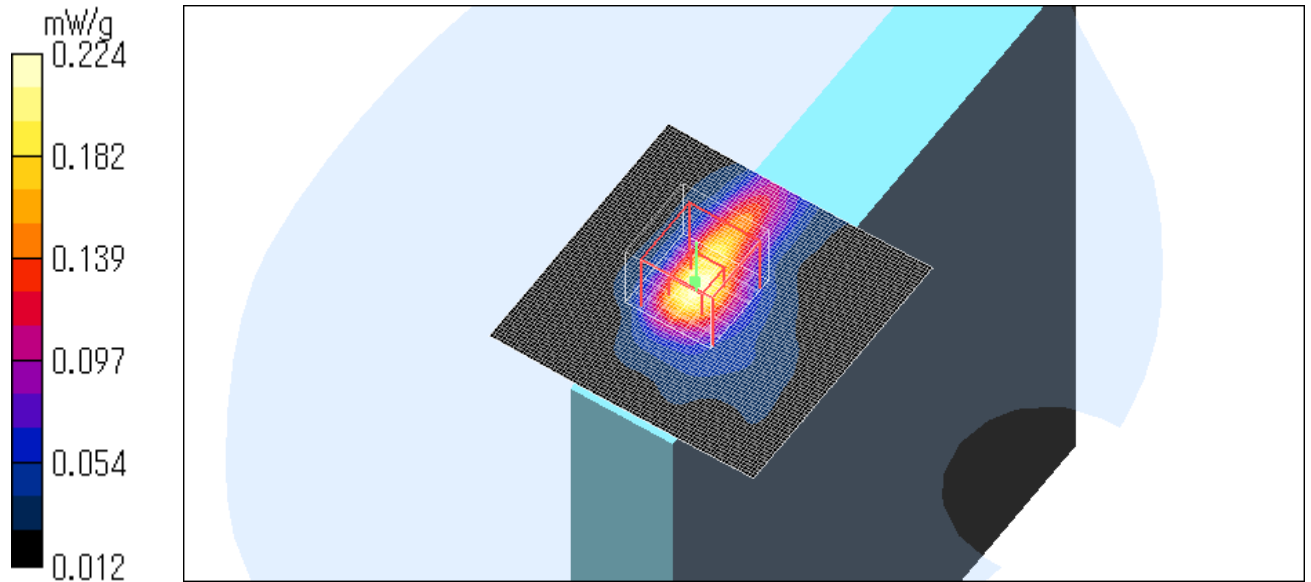
SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.224 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.5 degree.C. , After 23.5 degree.C.



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P1510D / Body / Aux Side / 11a 5745 / BPSK(9Mbps) / 10mm

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.131 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.98 V/m; Power Drift = -0.386 dB

Peak SAR (extrapolated) = 0.185 W/kg

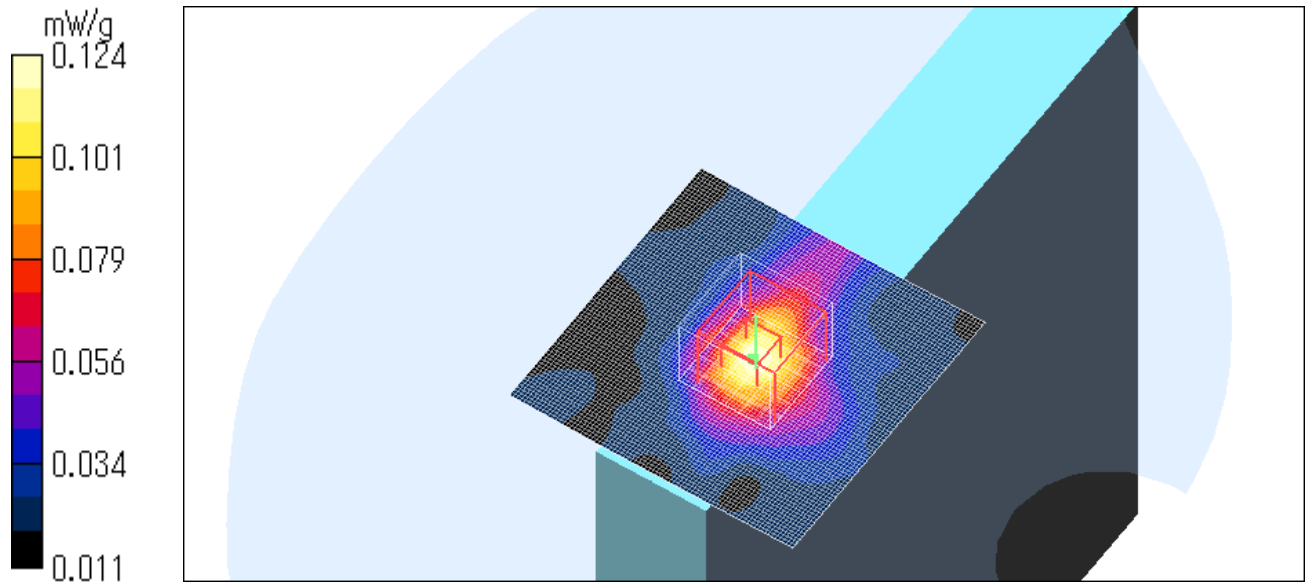
SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.124 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.5 degree.C. , After 23.5 degree.C.



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APPENDIX 4 : SAR Measurement data (5150-5350MHz,5725-5850MHz)[Turbo mode]

P1510D / Body / Main Side / 11a 5210MHz / BPSK(18Mbps) / Turbo mode

Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.53 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.68 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 12.0 V/m; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 4.29 W/kg

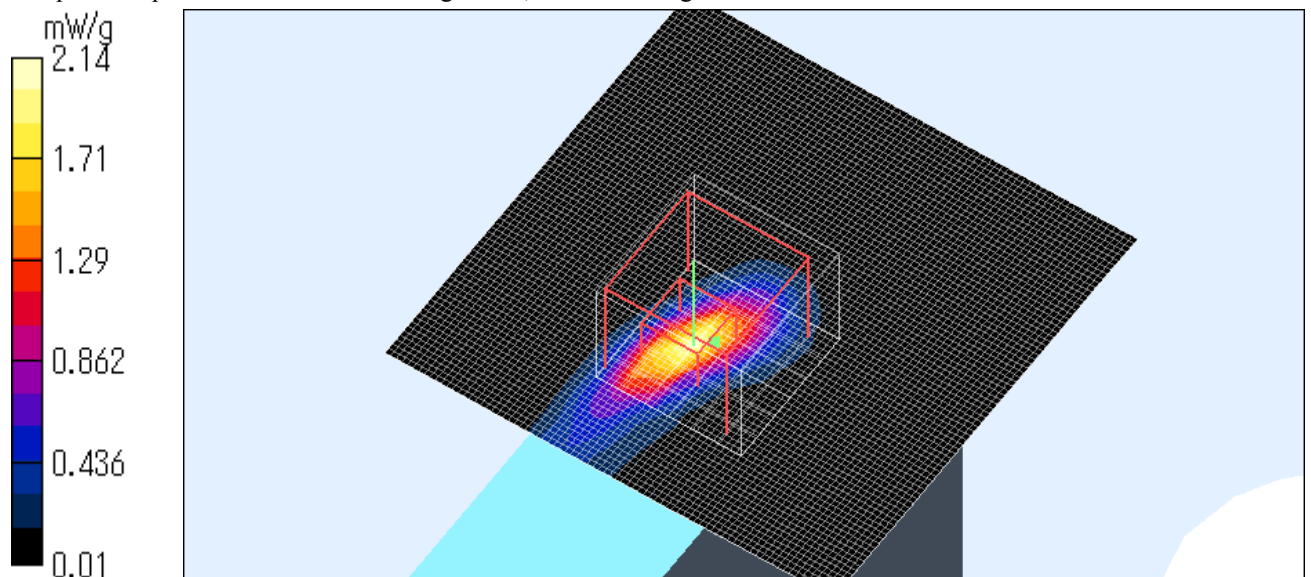
SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 2.14 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.0 degree.C. , After 24.0 degree.C.



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P1510D / Body / Main Side / 11a 5250MHz / BPSK(18Mbps) / Turbo mode

Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.53 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.80 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 12.6 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 5.07 W/kg

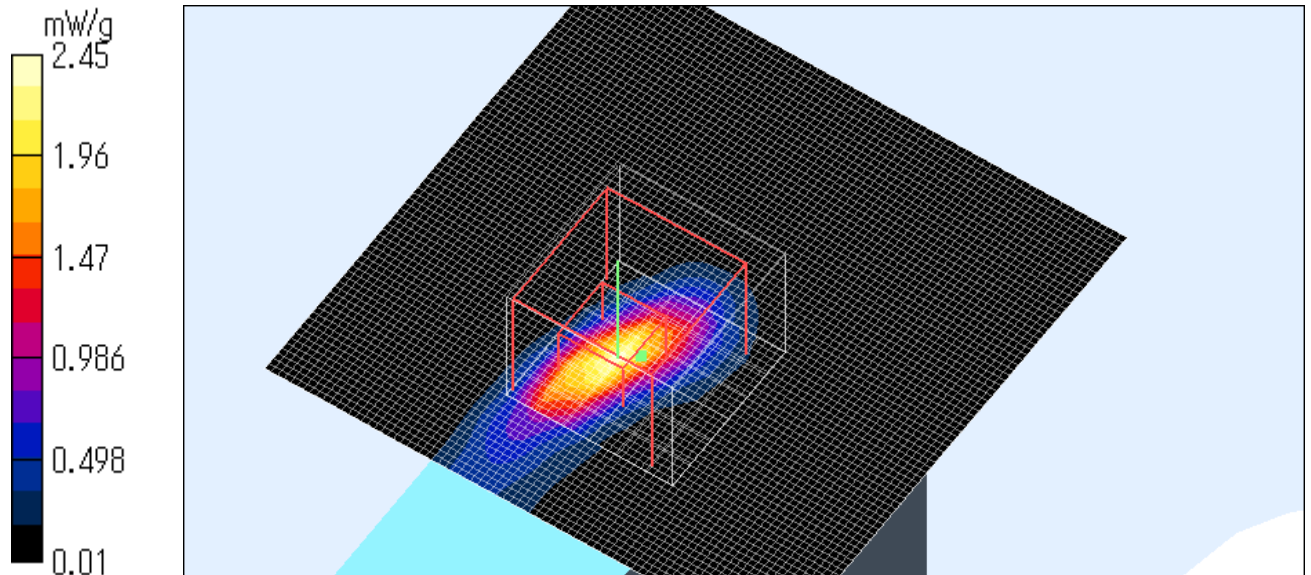
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 2.45 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.0 degree.C. , After 24.0 degree.C.



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Z-axis at maximum SAR location

P1510D / Body / Main Side / 11a 5250MHz / BPSK(18Mbps) / Turbo mode

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

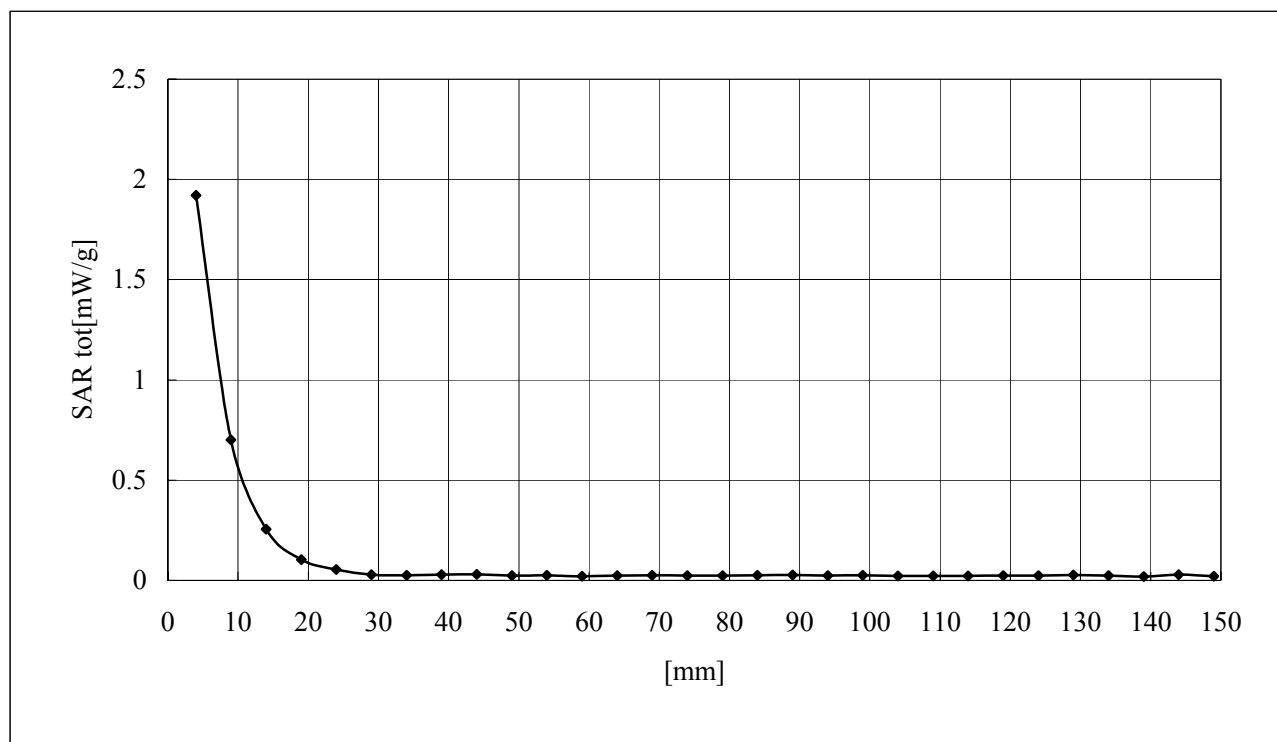
Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145



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P1510D / Body / Main Side / 11a 5290MHz / BPSK(18Mbps) / Turbo mode

Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.53 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.92 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 15.7 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 4.85 W/kg

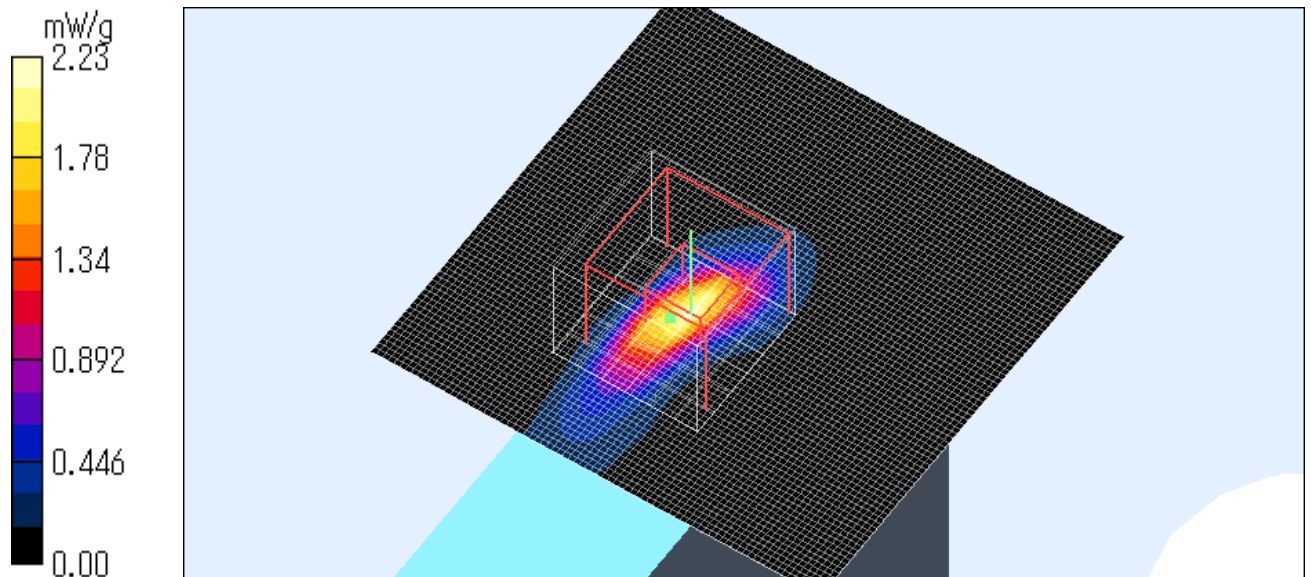
SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 2.23 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 24.0 degree.C. , After 24.0 degree.C.



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P1510D / Body / Main Side / 11a 5250MHz / BPSK(18Mbps) / Turbo mode / 5mm

Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.53 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.510 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 7.04 V/m; Power Drift = 0.839 dB

Peak SAR (extrapolated) = 0.777 W/kg

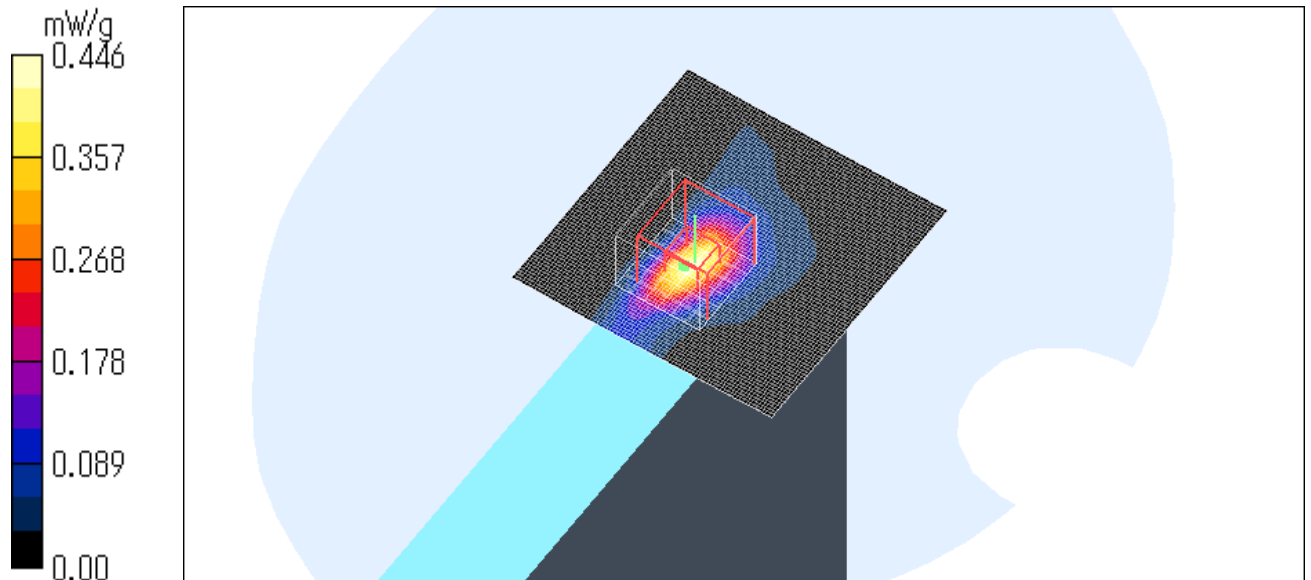
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.084 mW/g

Maximum value of SAR (measured) = 0.446 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 24.1 degree.C. , After 24.1 degree.C.



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P1510D / Body / Main Side / 11a 5250MHz / BPSK(18Mbps) / Turbo mode / 10mm

Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.53 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.203 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.19 V/m; Power Drift = 0.221 dB

Peak SAR (extrapolated) = 0.381 W/kg

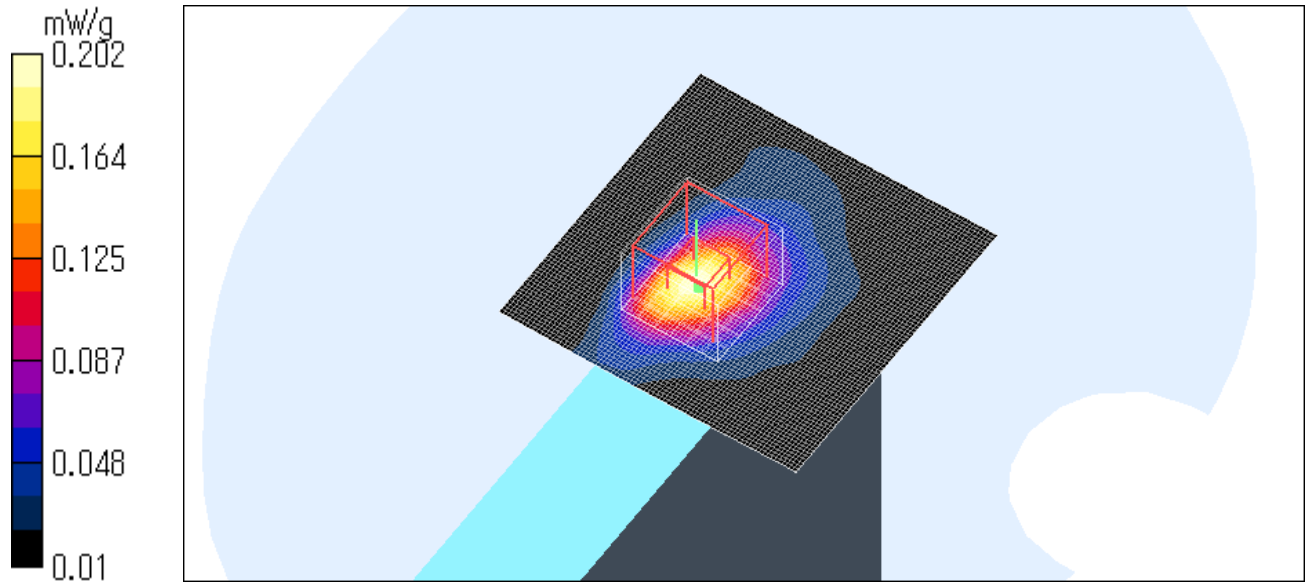
SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.202 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0 degree.C.

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



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P1510D / Body / Aux Side / 11a 5800MHz / BPSK(18Mbps) /Turbo mode

Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.3 \text{ mho/m}$; $\epsilon_r = 45.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.800 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.67 V/m ; Power Drift = -0.281 dB

Peak SAR (extrapolated) = 2.30 W/kg

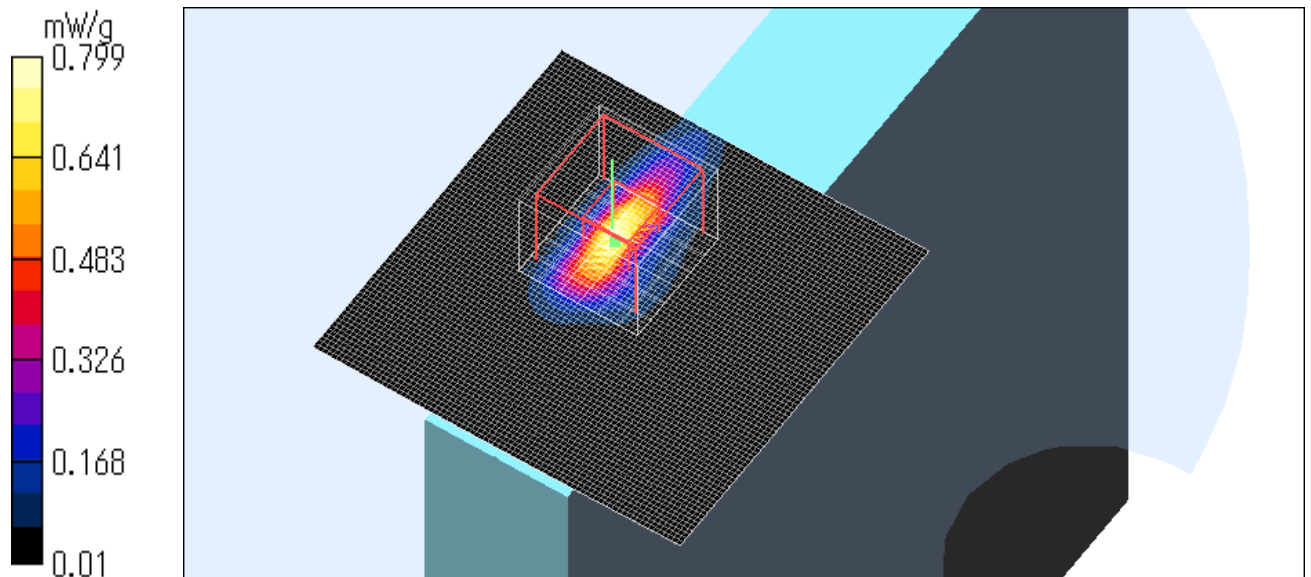
SAR(1 g) = 0.359 mW/g ; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.799 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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P1510D / Body / Aux Side / 11a 5760MHz / BPSK(18Mbps) / Turbo mode

Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.3 \text{ mho/m}$; $\epsilon_r = 45.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

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

Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.939 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 6.26 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 2.32 W/kg

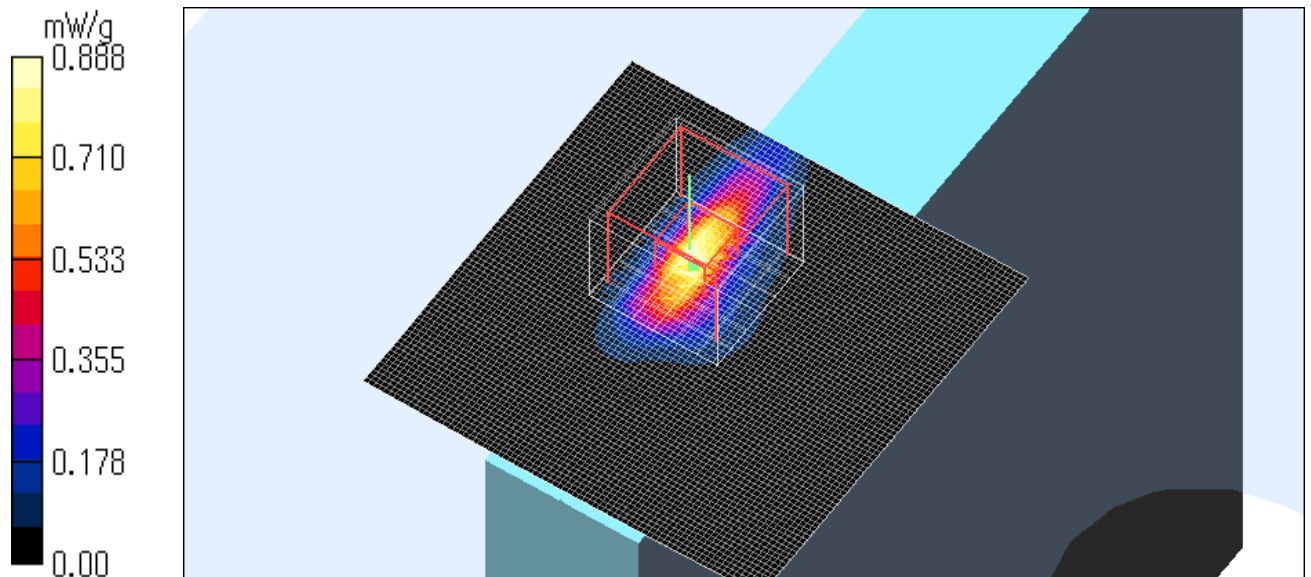
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.888 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0degree.C.

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



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APPENDIX 5 : Validation Measurement data

5200MHz System Validation / Dipole 5GHz / Forward Conducted Power : 250mW

Dipole 5800 MHz; Type: D5GHzV2; Serial: 1020

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 5.53$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn516; Calibrated: 2005/03/10

Phantom: SAM 1196

Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 52.4 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 99.1 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 81.8 W/kg

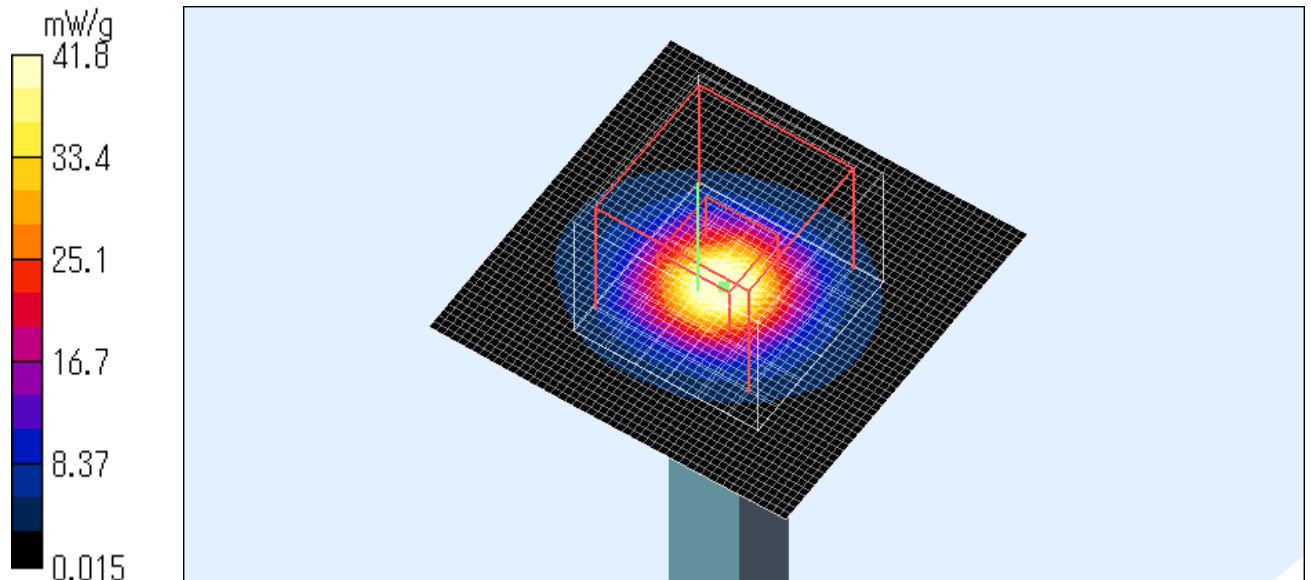
SAR(1 g) = 22 mW/g; SAR(10 g) = 6.21 mW/g

Maximum value of SAR (measured) = 41.8 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0 degree.C.

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



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5800MHz System Validation / Dipole 5GHz MHz / Forward Conducted Power : 250mW

Dipole 5800 MHz; Type: D5GHzV2; Serial: 1020

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE3 Sn516; Calibrated: 2005/03/10
Phantom: SAM 1196
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

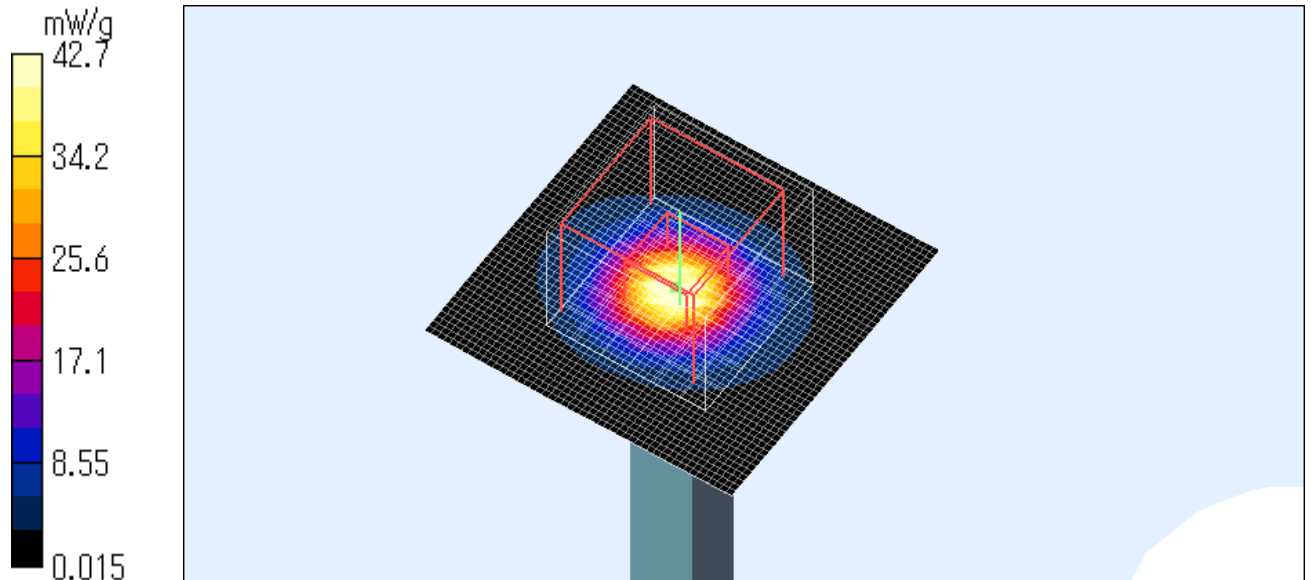
Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 52.9 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 91.1 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 90.1 W/kg
SAR(1 g) = 21.2 mW/g; SAR(10 g) = 5.91 mW/g
Maximum value of SAR (measured) = 42.7 mW/g

Test Date = 05/10/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 24.0 degree.C. , After 24.0 degree.C.



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5800MHz System Validation / Dipole 5GHz MHz / Forward Conducted Power : 250mW

Dipole 5800 MHz; Type: D5GHzV2; Serial: 1020

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE3 Sn516; Calibrated: 2005/03/10
Phantom: SAM 1196
Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

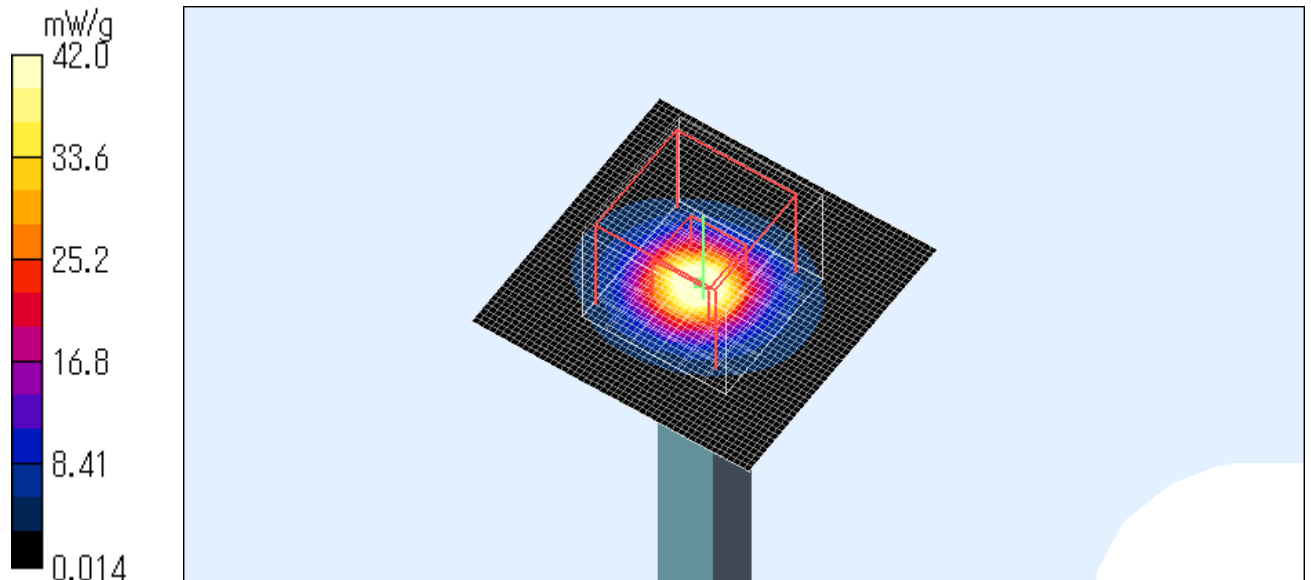
Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 52.9 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 90.9 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 88.5 W/kg
SAR(1 g) = 21.1 mW/g; SAR(10 g) = 5.85 mW/g
Maximum value of SAR (measured) = 42.0 mW/g

Test Date = 05/11/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 25.0 degree.C. , After 24.9 degree.C.



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