

APPENDIX 2 : SAR Measurement data (5150-5350MHz)

P1510 / Body / Main Side / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 2.47 mW/g

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

Reference Value = 7.45 V/m; Power Drift = -0.286 dB

Peak SAR (extrapolated) = 6.34 W/kg

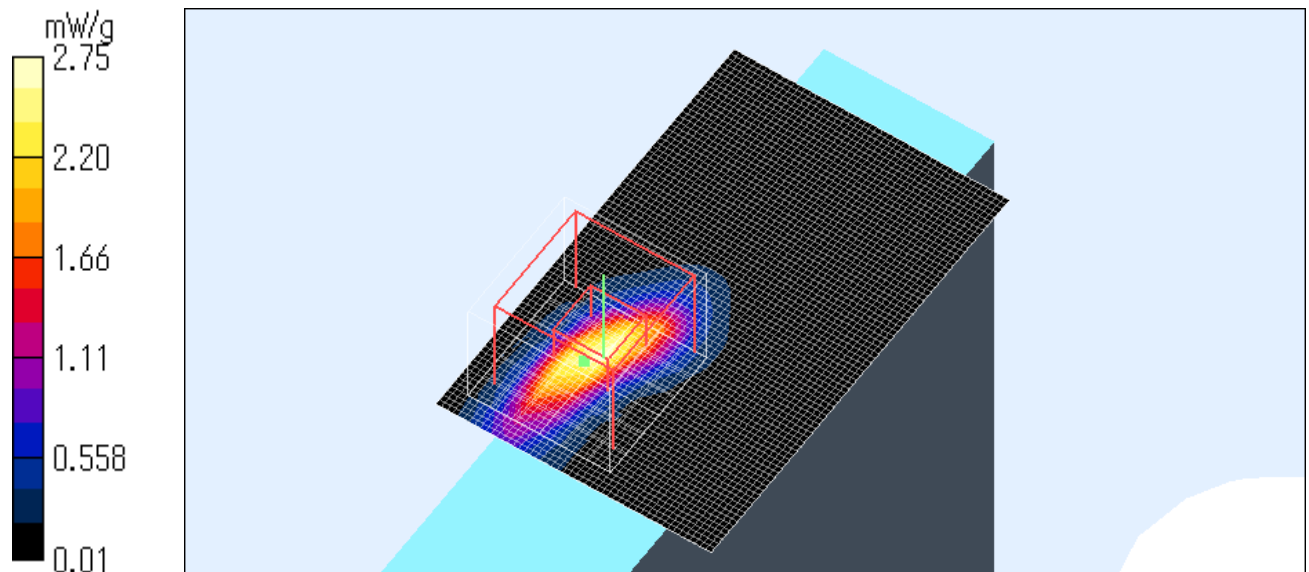
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 2.75 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 22.2 degree.C. , After 22.2 degree.C.



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P1510 / Body / Main Side / 11a 5260 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 2.68 mW/g

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

Reference Value = 8.40 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 5.92 W/kg

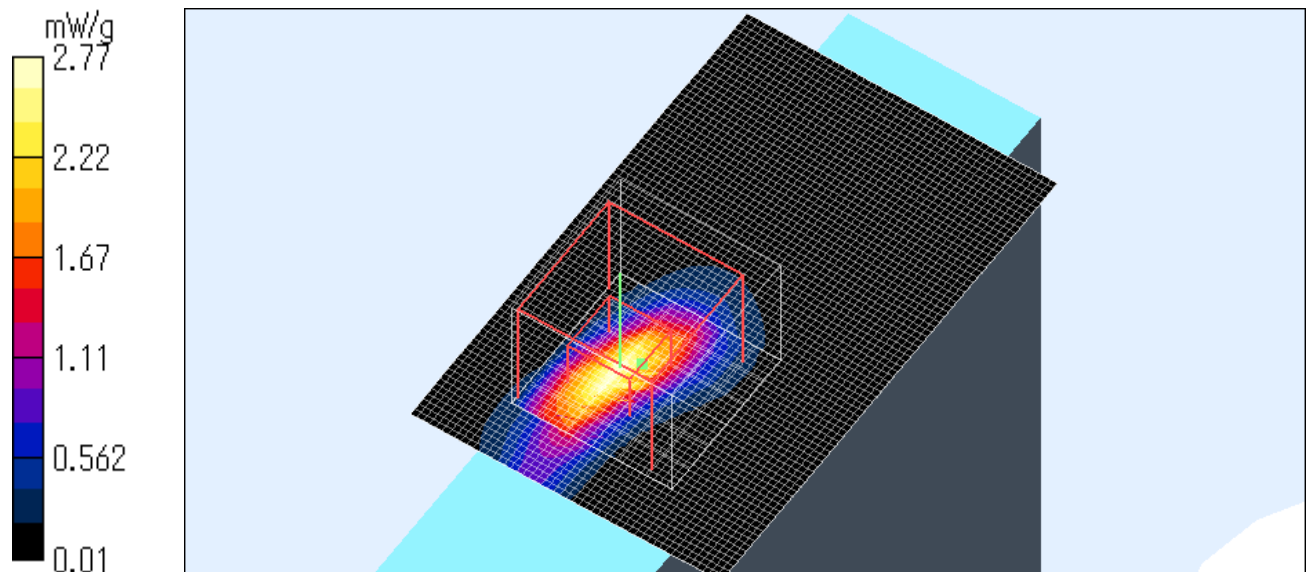
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 2.77 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 22.2 degree.C. , After 22.2 degree.C.



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P1510 / Body / Main Side / 11a 5260 / 16QAM(24Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 2.33 mW/g

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

Reference Value = 5.95 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 4.75 W/kg

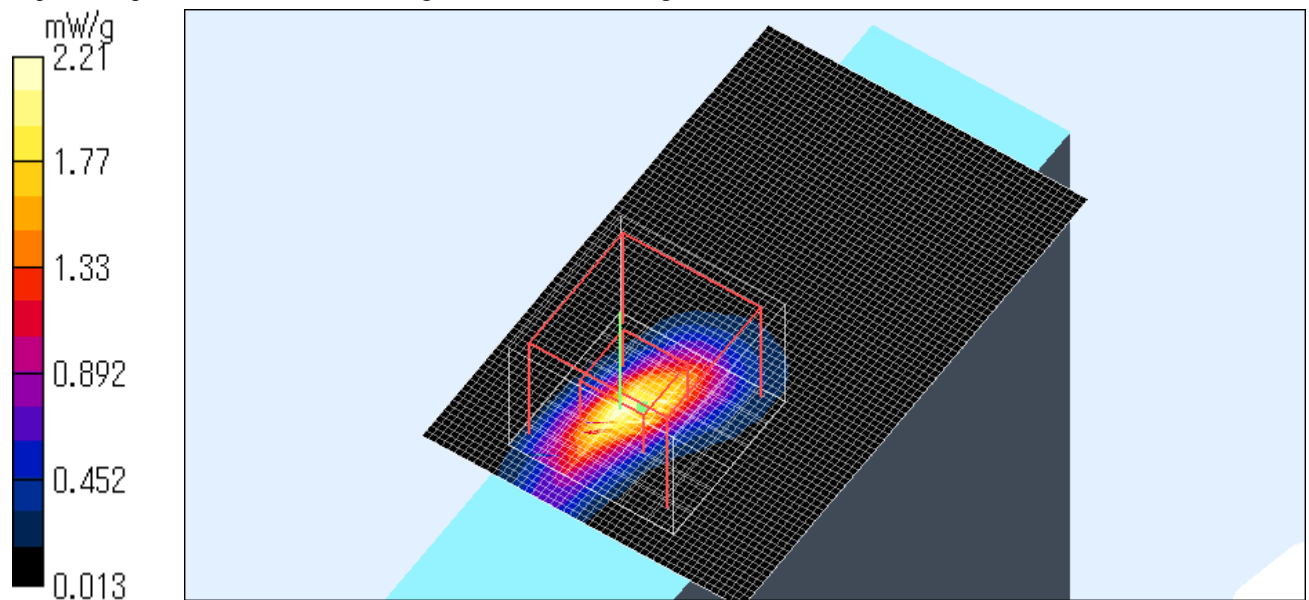
SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.252 mW/g

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

Test Date = 04/25/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 22.2 degree.C. , After 22.2 degree.C.



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P1510 / Body / Main Side / 11a 5260 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 1.48 mW/g

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

Reference Value = 5.90 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 3.28 W/kg

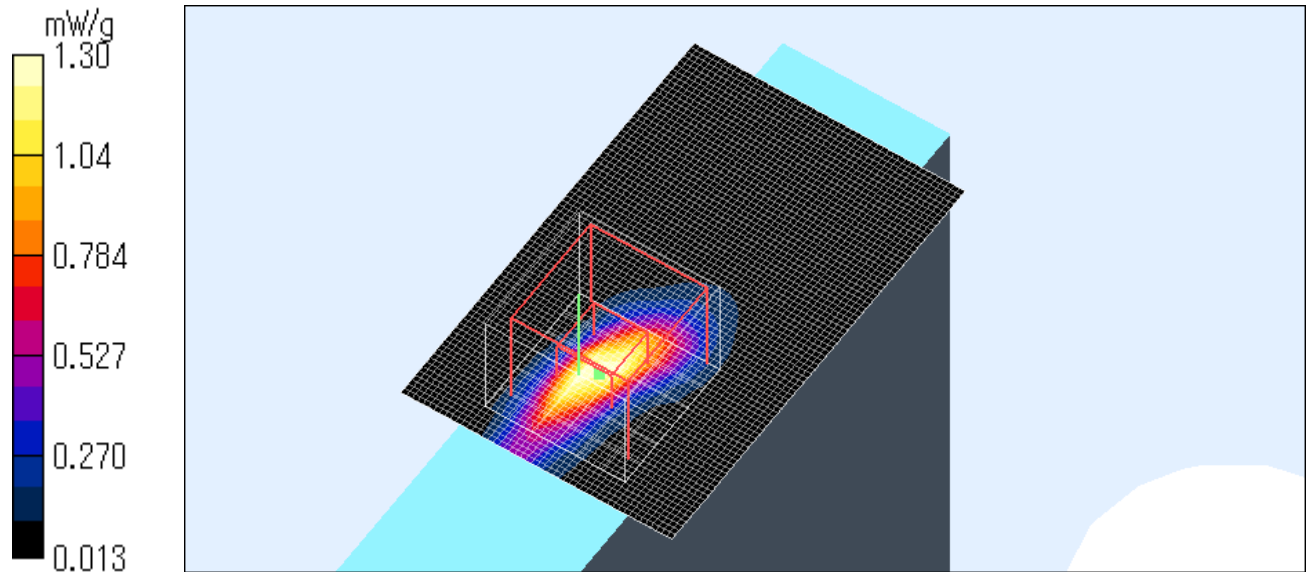
SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.171 mW/g

Maximum value of SAR (measured) = 1.30 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 22.2 degree.C. , After 22.2 degree.C.



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P1510 / Body / Main Side / 11a 5260 / BPSK(6Mbps) / Option Battery

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 2.44 mW/g

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

Reference Value = 7.60 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 5.50 W/kg

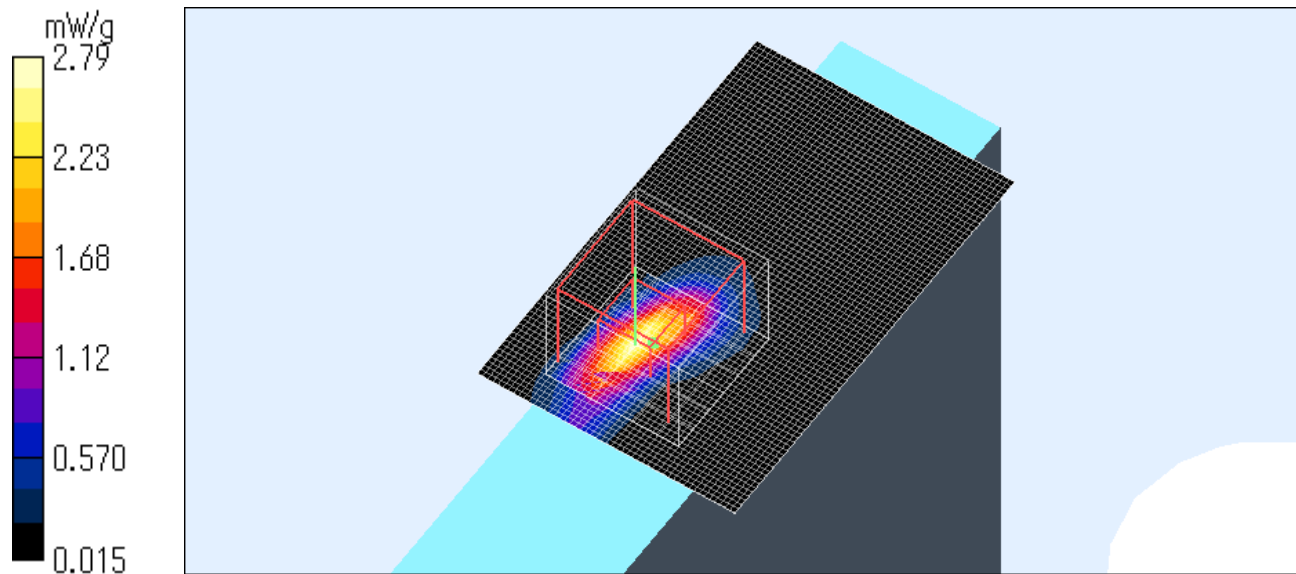
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 2.79 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 22.8 degree.C. , After 22.8 degree.C.



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P1510 / Body / Main Front / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 1.26 mW/g

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

Reference Value = 4.98 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 3.04 W/kg

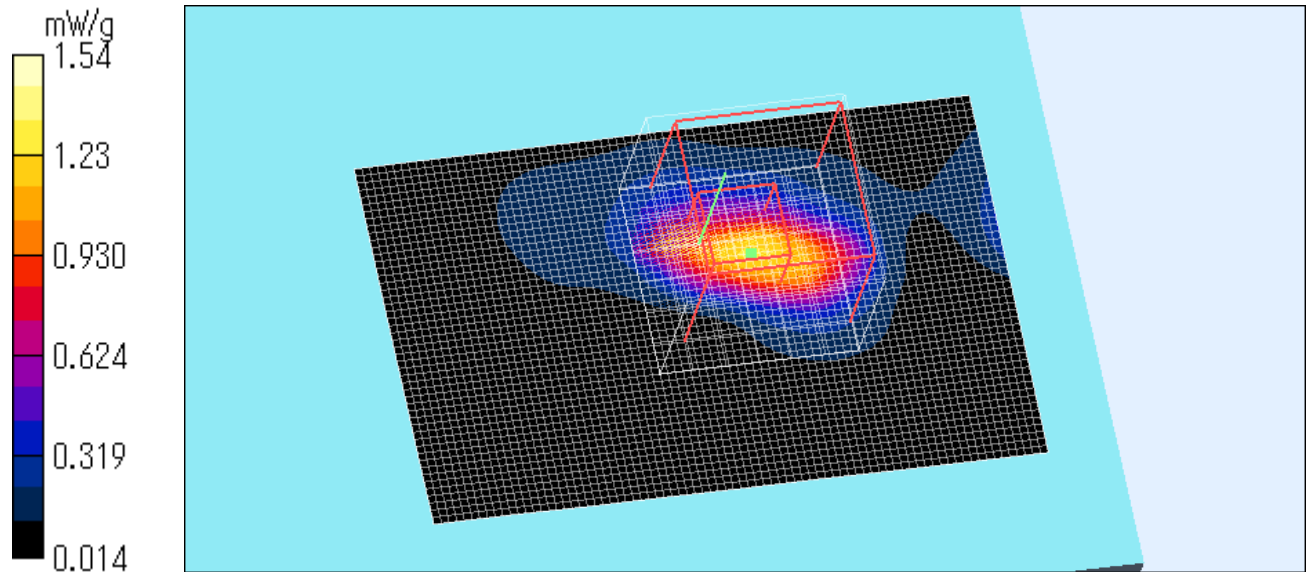
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 1.54 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 23.0 degree.C. , After 23.0 degree.C.



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P1510 / Body / Main Back / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 0.090 mW/g

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

Reference Value = 3.30 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.144 W/kg

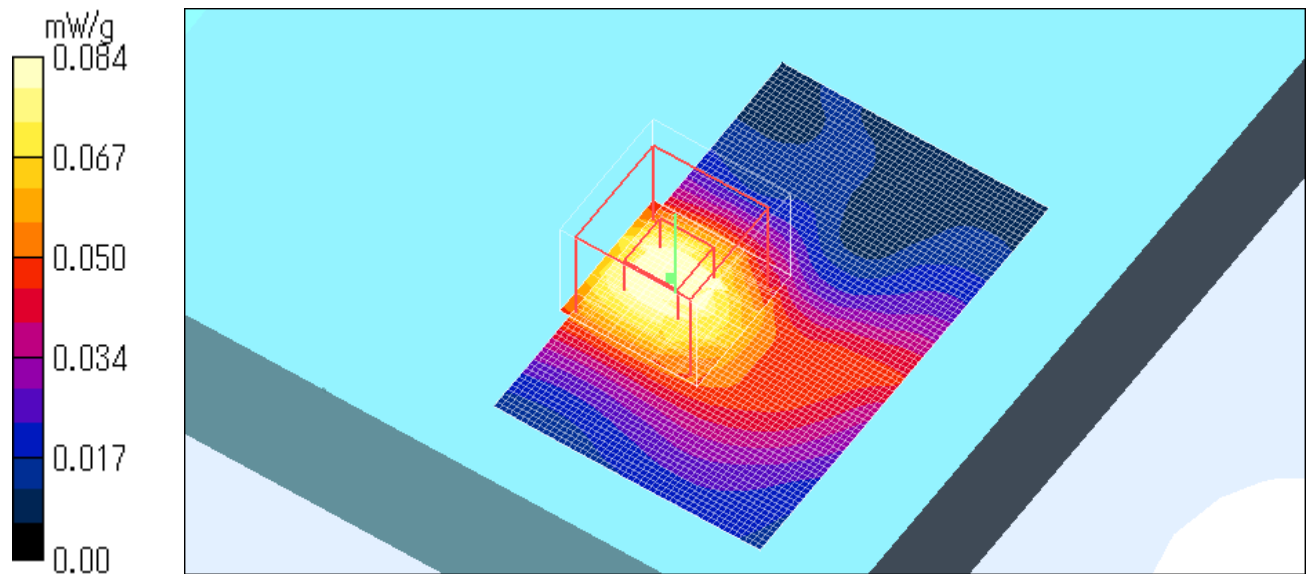
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.084 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.0 degree.C. , After 23.0 degree.C.



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P1510 / Body / Main Bottom / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 0.030 mW/g

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

Reference Value = 1.76 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.035 W/kg

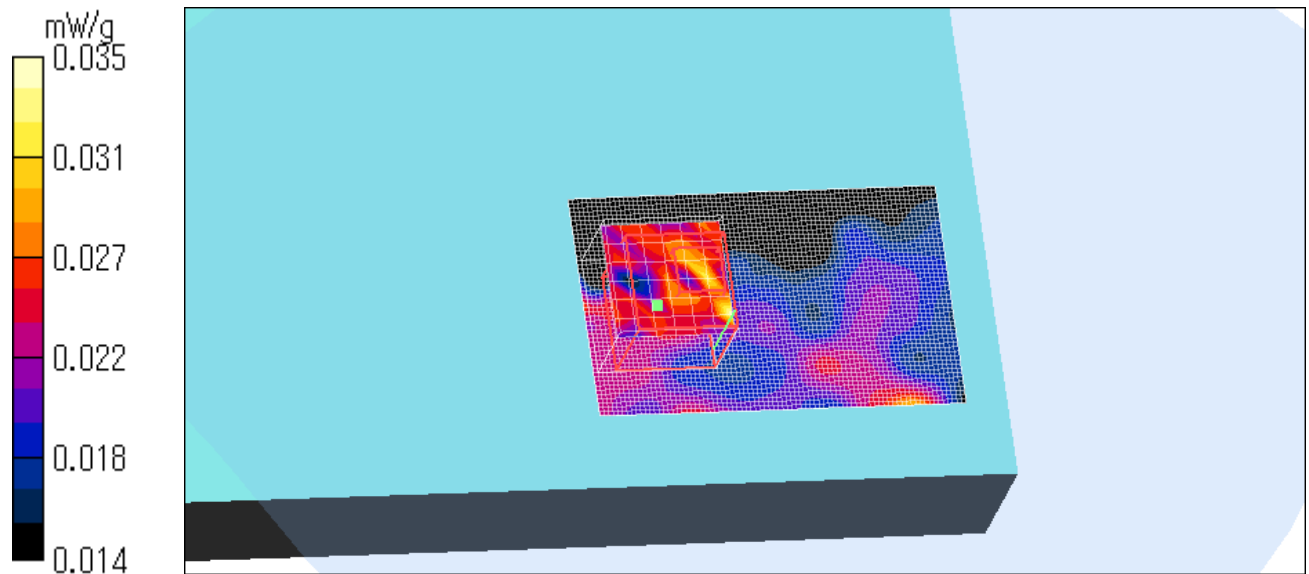
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.023 mW/g

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

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 23.0 degree.C. , After 23.0 degree.C.



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P1510 / Body / Main Side / 11a 5240 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 0.738 mW/g

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

Reference Value = 4.60 V/m; Power Drift = 0.299 dB

Peak SAR (extrapolated) = 2.02 W/kg

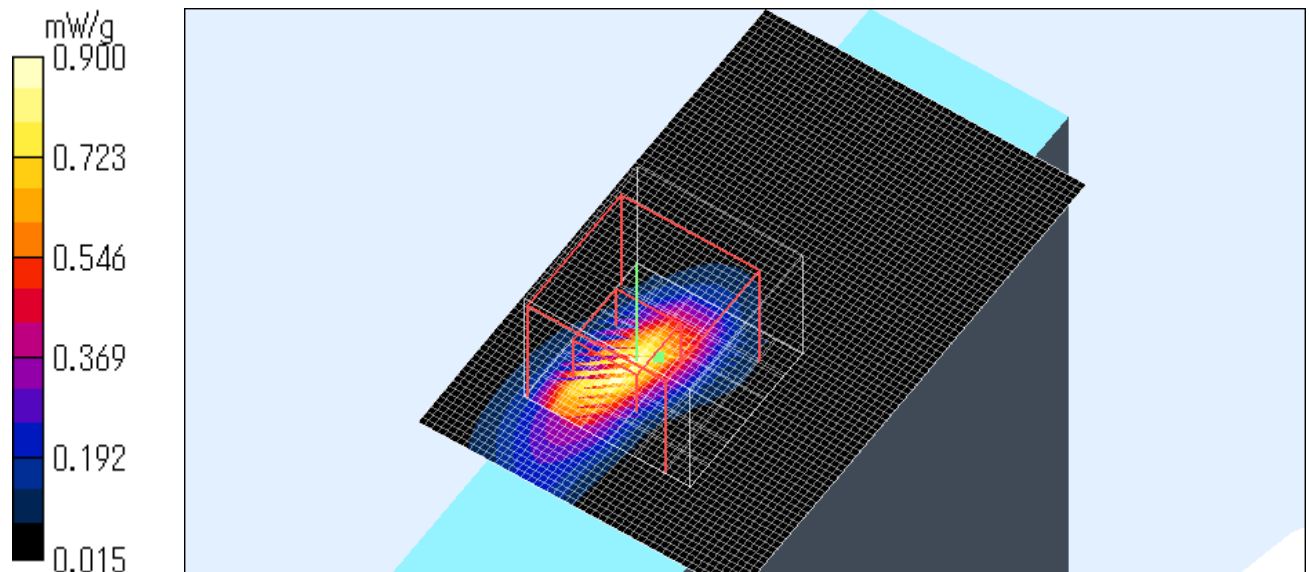
SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.900 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 22.8 degree.C. , After 22.8 degree.C.



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P1510 / Body / Main Side / 11a 5180 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 0.630 mW/g

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

Reference Value = 4.18 V/m; Power Drift = 0.295 dB

Peak SAR (extrapolated) = 1.96 W/kg

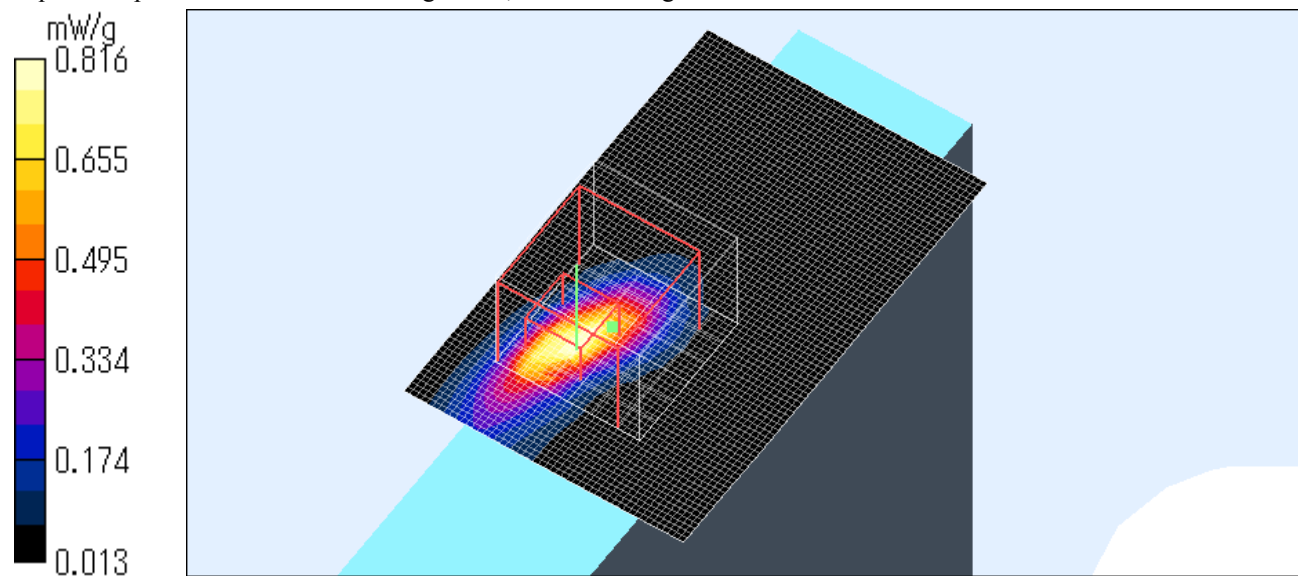
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.816 mW/g

Test Date = 04/25/05

Ambient Temperature = 24.5 degree.C.

Liquid Temperature = Before 22.6 degree.C. , After 22.6 degree.C.



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P1510 / Body / Main Side / 11a 5320 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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) = 1.74 mW/g

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

Reference Value = 7.52 V/m; Power Drift = -0.209 dB

Peak SAR (extrapolated) = 4.68 W/kg

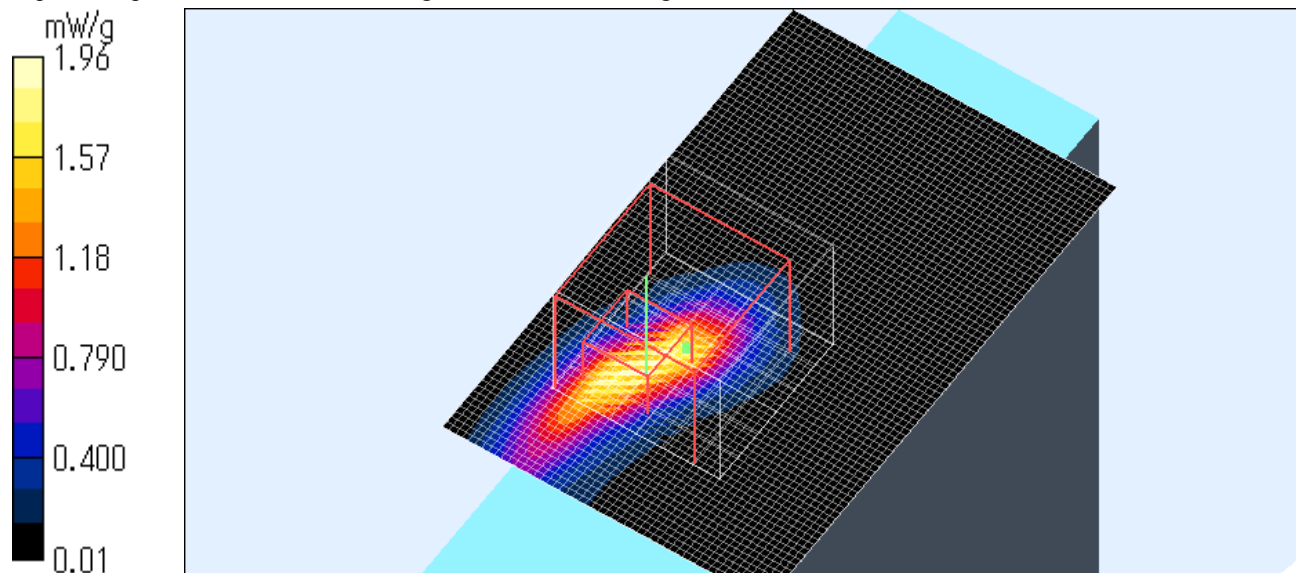
SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.245 mW/g

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

Test Date = 04/25/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 22.2 degree.C. , After 22.2 degree.C.



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P1510 / Body / Aux Side / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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

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

Maximum value of SAR (interpolated) = 2.73 mW/g

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

Reference Value = 9.12 V/m; Power Drift = -0.309 dB

Peak SAR (extrapolated) = 5.26 W/kg

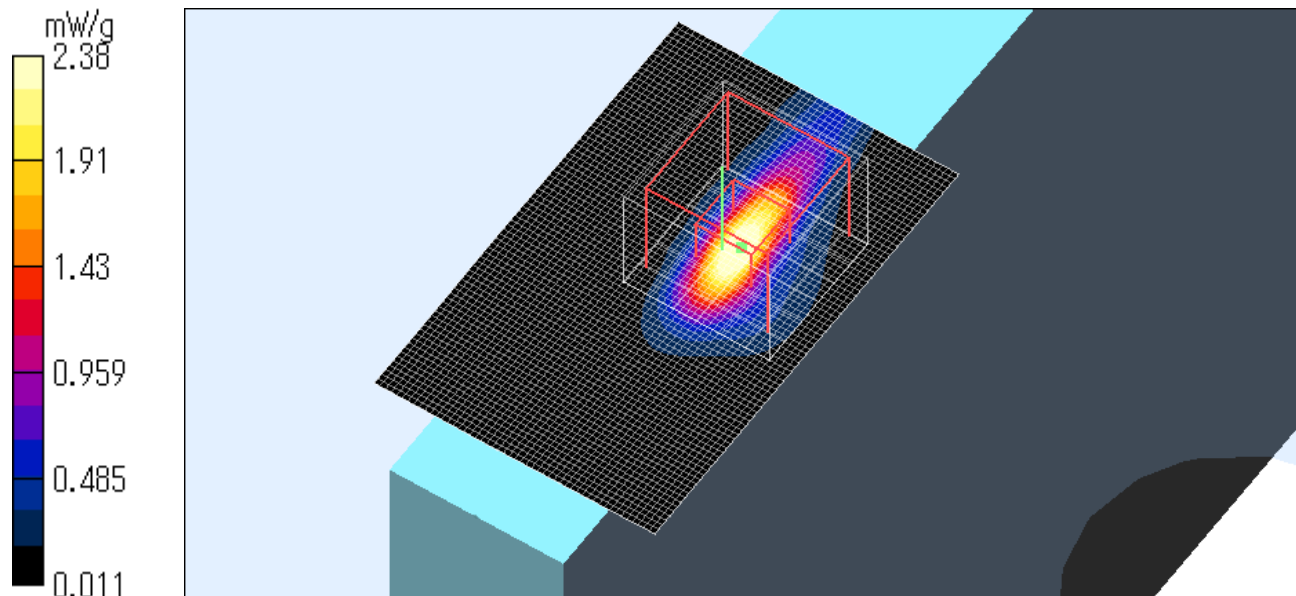
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 2.38 mW/g

Test Date = 04/28/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Side / 11a 5260 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 2.33 mW/g

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

Reference Value = 18.1 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 5.16 W/kg

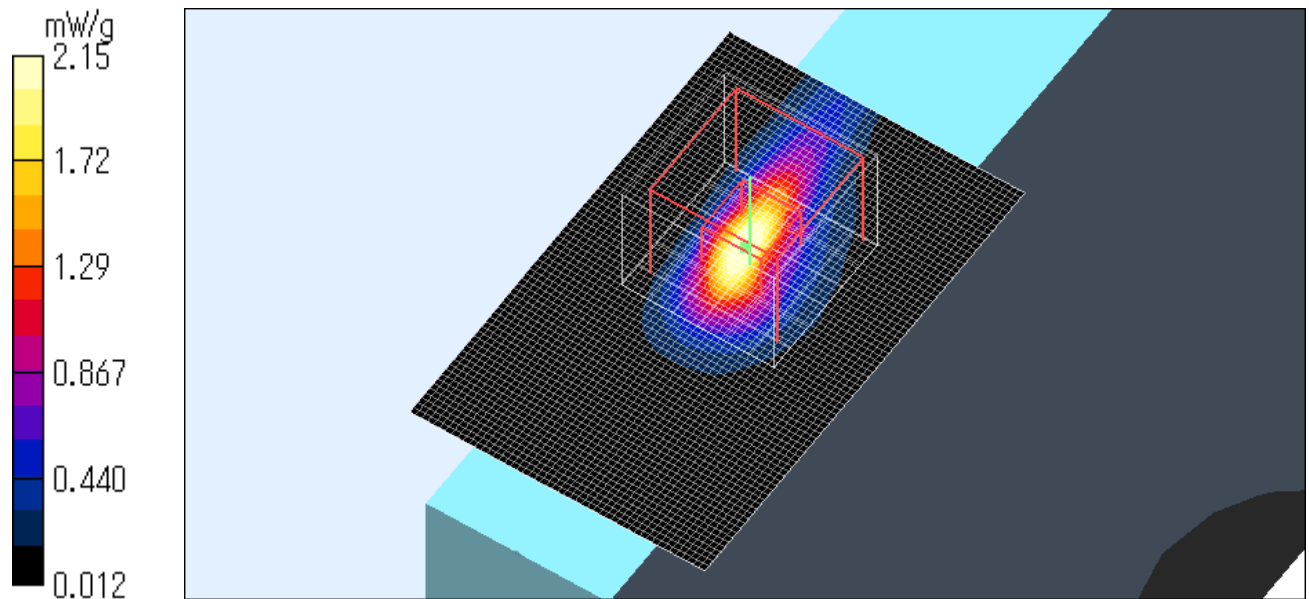
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.290 mW/g

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

Test Date = 04/28/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 23.9 degree.C. , After 23.9 degree.C.



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P1510 / Body / Aux Side / 11a 5260 / 16QAM(24Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 1.69 mW/g

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

Reference Value = 7.45 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 4.38 W/kg

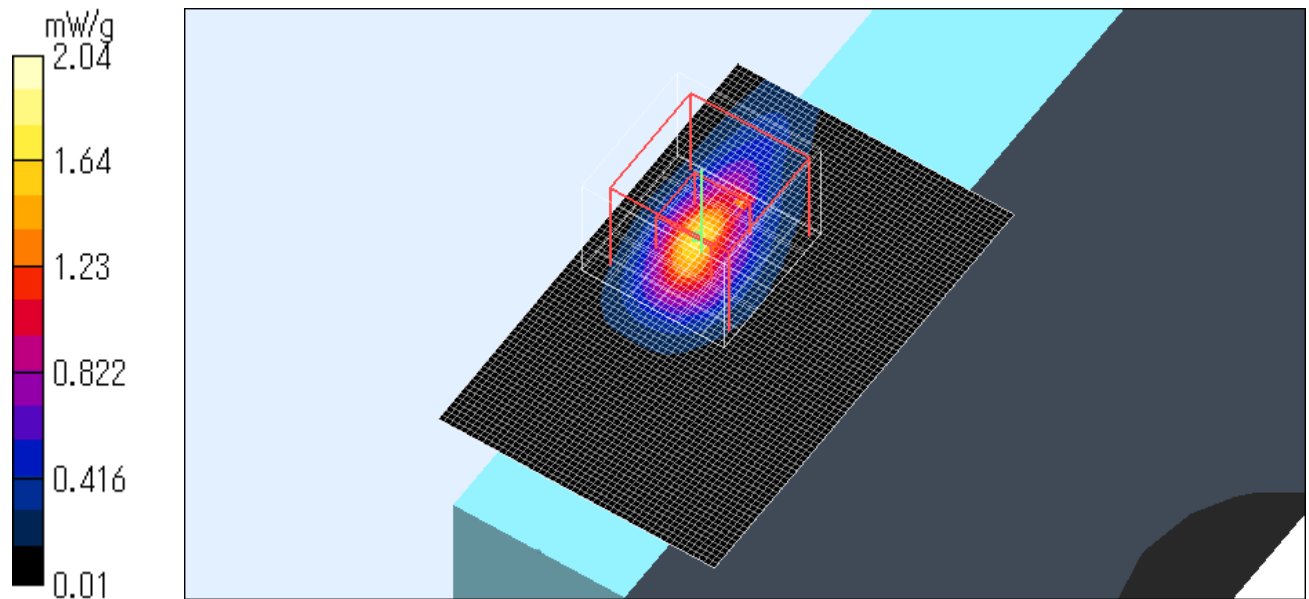
SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.246 mW/g

Maximum value of SAR (measured) = 2.04 mW/g

Test Date = 04/28/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 23.9 degree.C. , After 23.9 degree.C.



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P1510 / Body / Aux Side / 11a 5260 / 64QAM(54Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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

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

Reference Value = 8.71 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 3.96 W/kg

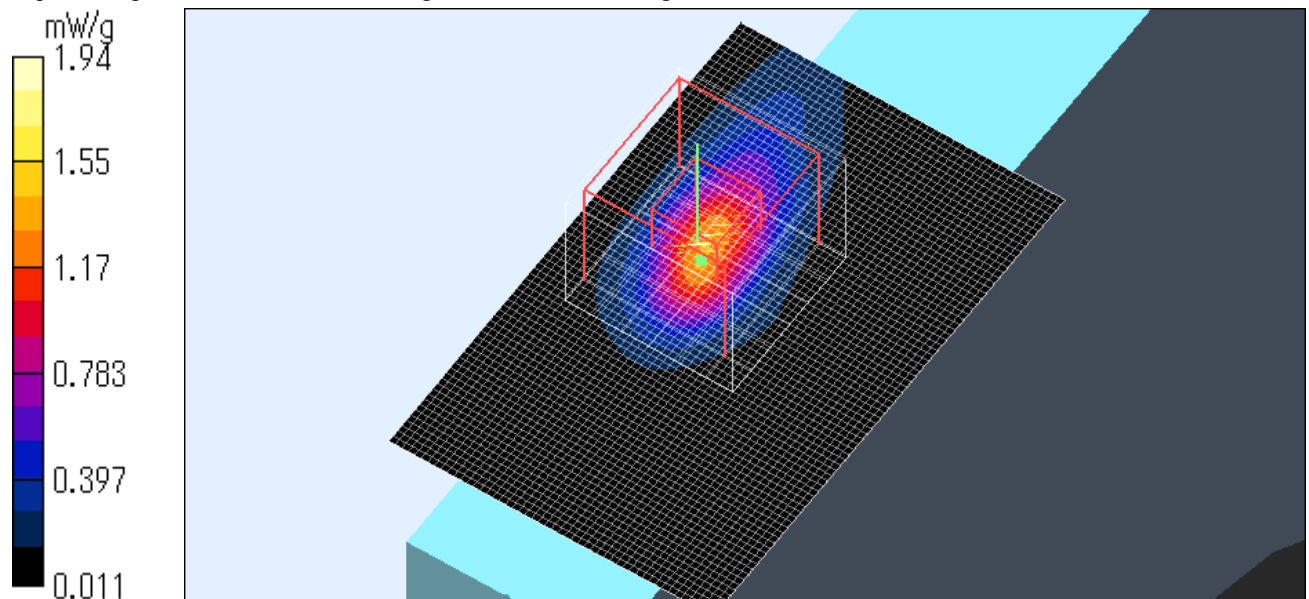
SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.227 mW/g

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

Test Date = 04/28/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 23.9 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Front / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 1.08 mW/g

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

Reference Value = 6.62 V/m; Power Drift = -0.256 dB

Peak SAR (extrapolated) = 2.12 W/kg

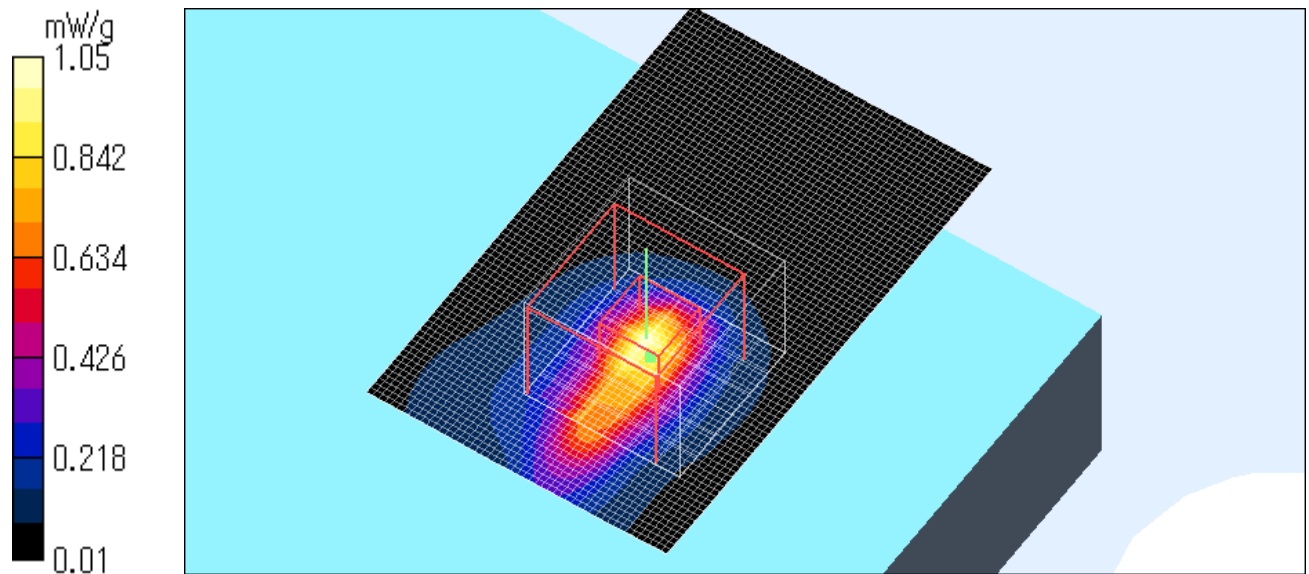
SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

Test Date = 04/28/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Back / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 0.074 mW/g

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

Reference Value = 3.89 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 0.136 W/kg

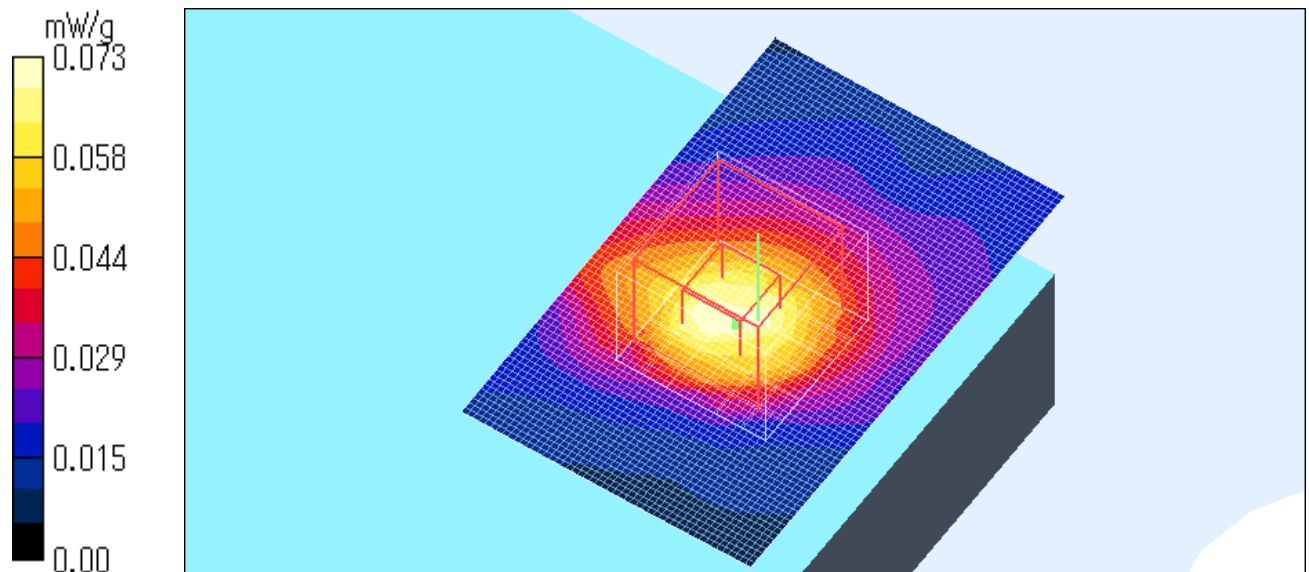
SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.073 mW/g

Test Date = 04/28/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Bottom / 11a 5260 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 0.029 mW/g

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

Reference Value = 1.59 V/m; Power Drift = 0.270 dB

Peak SAR (extrapolated) = 0.053 W/kg

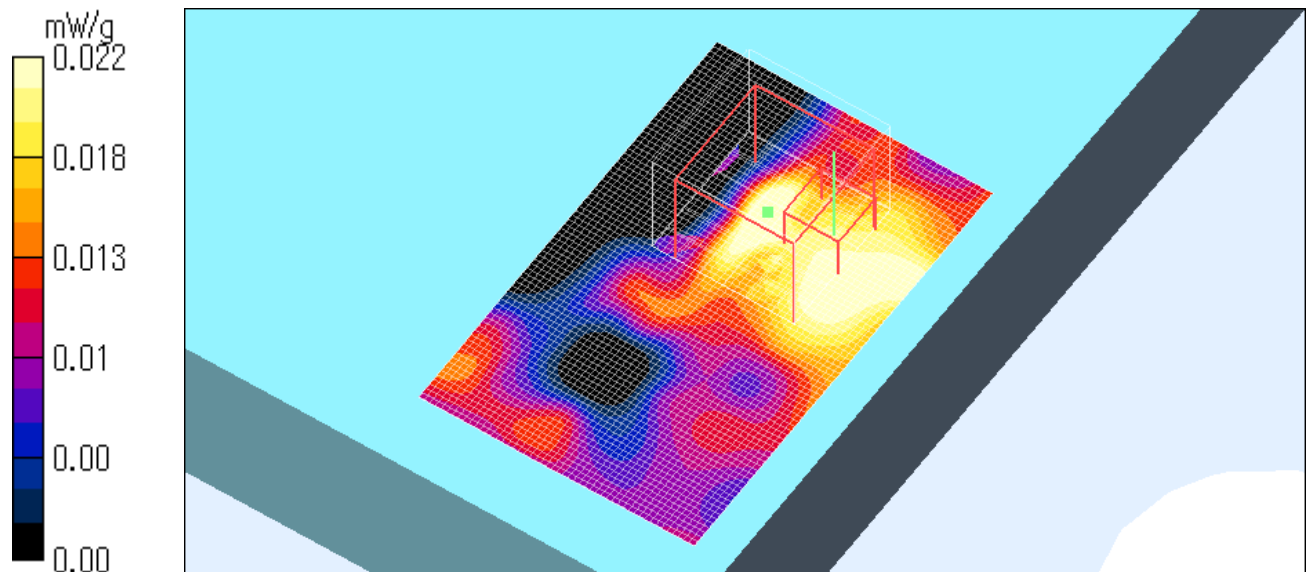
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00924 mW/g

Maximum value of SAR (measured) = 0.022 mW/g

Test Date = 04/28/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Side / 11a 5240 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 0.711 mW/g

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

Reference Value = 7.36 V/m; Power Drift = -0.259 dB

Peak SAR (extrapolated) = 1.32 W/kg

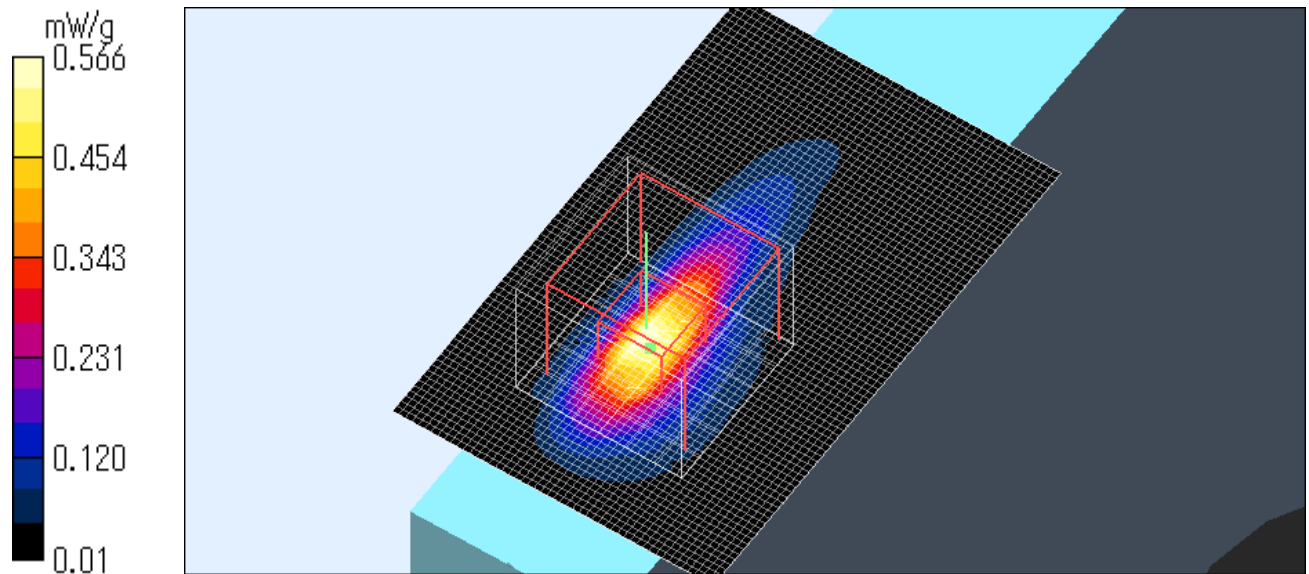
SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.566 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.3 degree.C. , After 23.3 degree.C.



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P1510 / Body / Aux Side / 11a 5180 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 0.524 mW/g

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

Reference Value = 6.27 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.17 W/kg

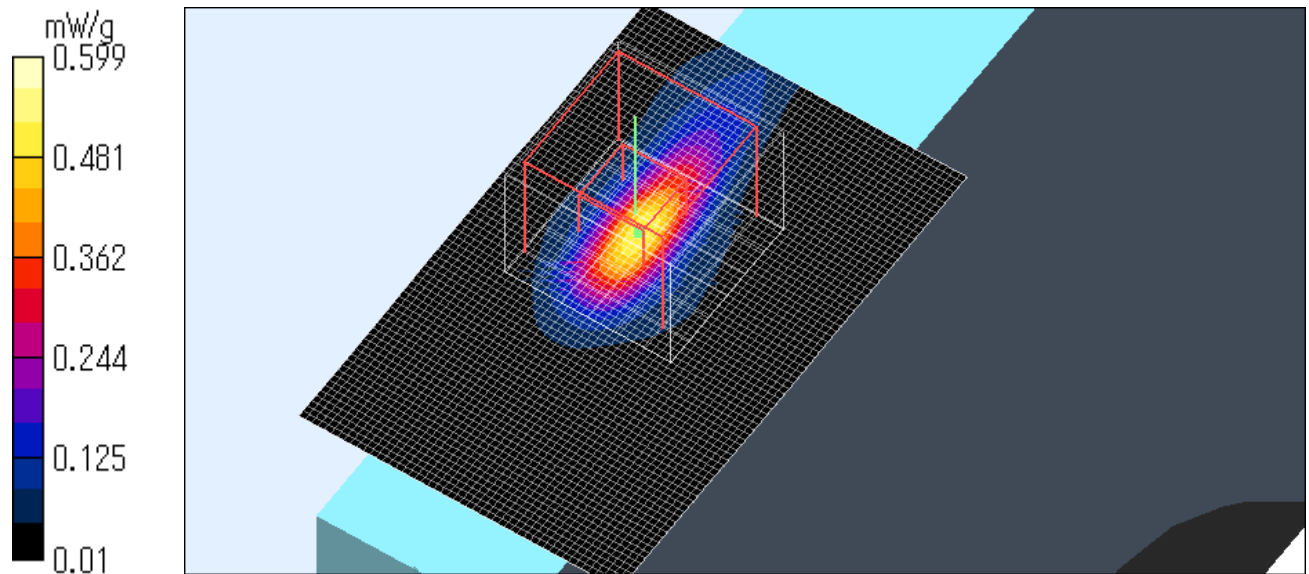
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.599 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.3 degree.C. , After 23.3 degree.C.



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P1510 / Body / Aux Side / 11a 5320 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 3.12 mW/g

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

Reference Value = 7.84 V/m; Power Drift = 0.264 dB

Peak SAR (extrapolated) = 6.59 W/kg

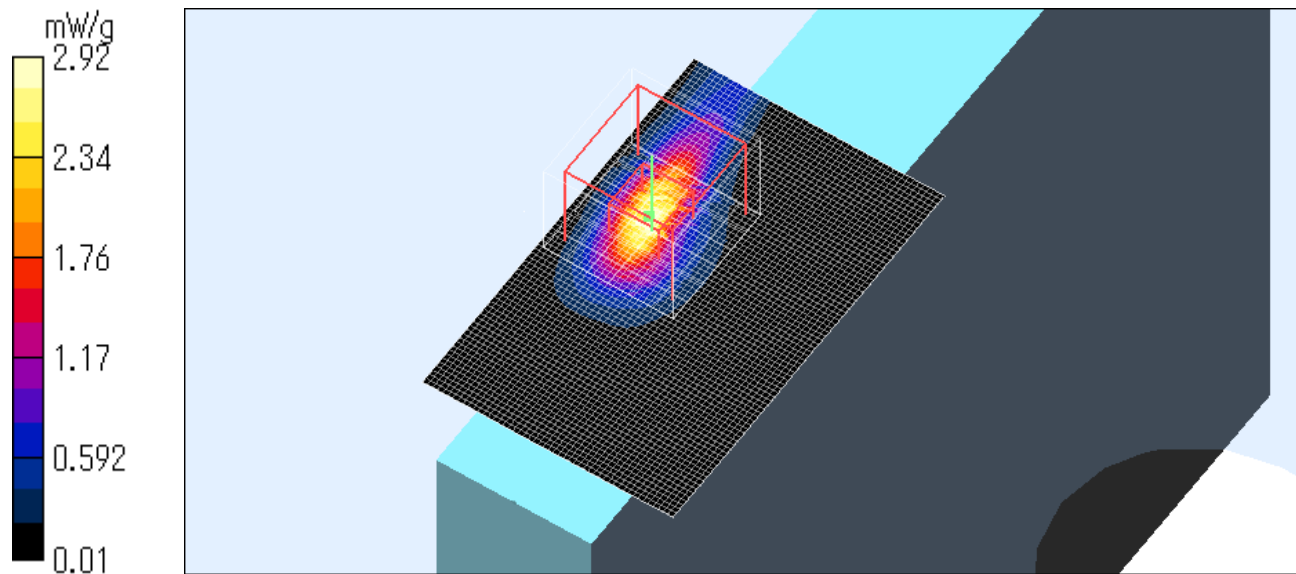
SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 2.92 mW/g

Test Date = 04/28/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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Z-axis at maximum SAR location

P1510 / Body / Aux Side / 11a 5320 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

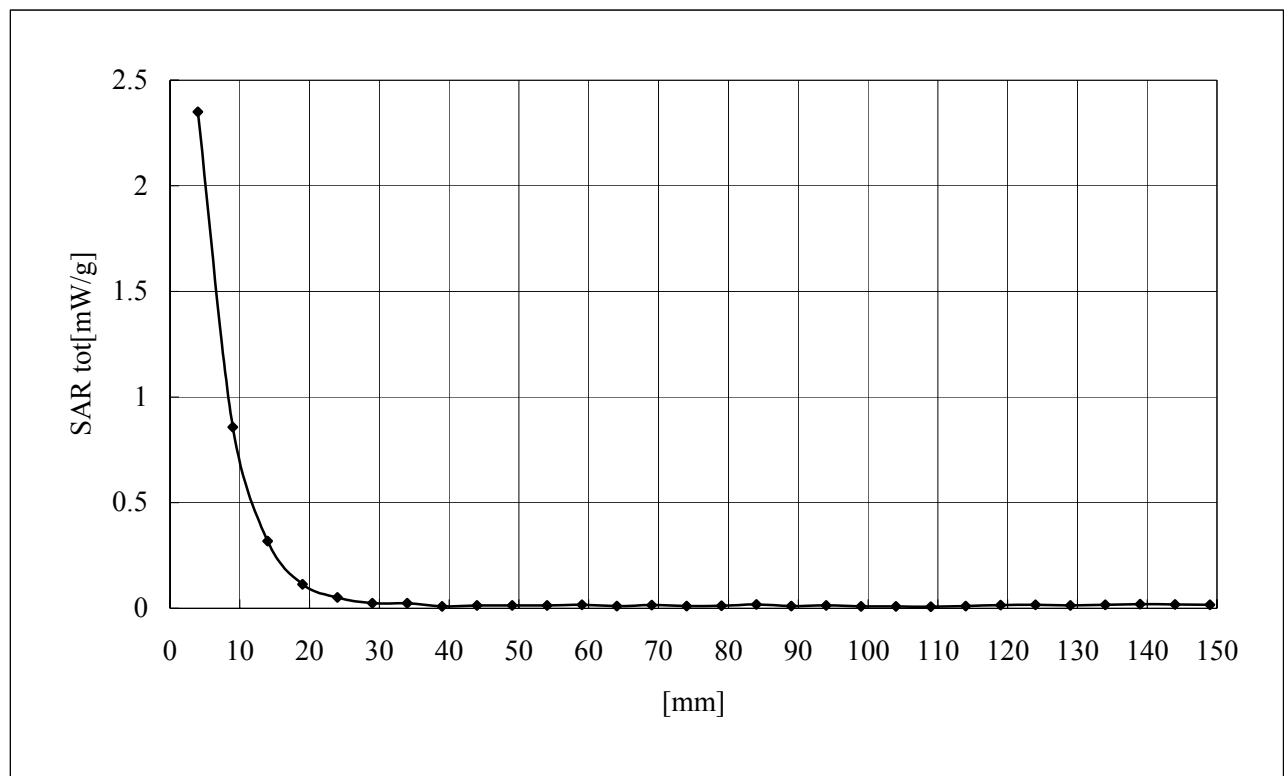
Probe: EX3DV4 - SN3540; ConvF(4.4, 4.4, 4.4); Calibrated: 2005/01/14

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



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P1510 / Body / Aux Side / 11a 5320 / BPSK(6Mbps) / 5mm

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 1.00 mW/g

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

Reference Value = 6.19 V/m; Power Drift = -0.889 dB

Peak SAR (extrapolated) = 1.76 W/kg

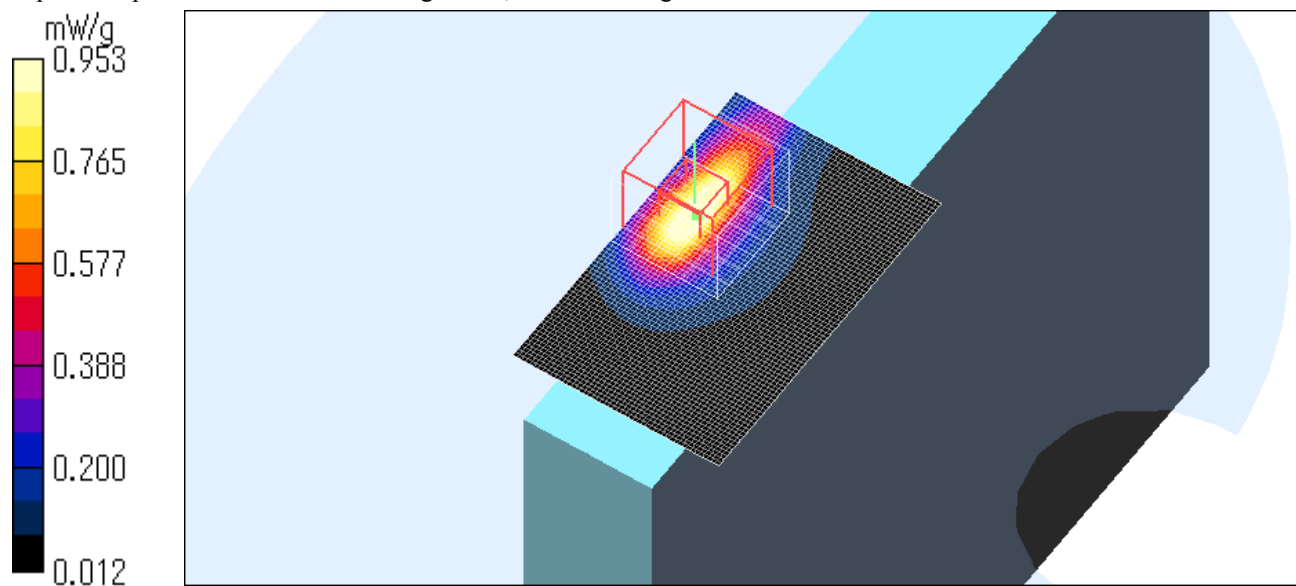
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.185 mW/g

Maximum value of SAR (measured) = 0.953 mW/g

Test Date = 04/28/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.6 degree.C. , After 23.6 degree.C.



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P1510 / Body / Aux Side / 11a 5320 / BPSK(6Mbps) / 10mm

Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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) = 0.254 mW/g

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

Reference Value = 7.24 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.474 W/kg

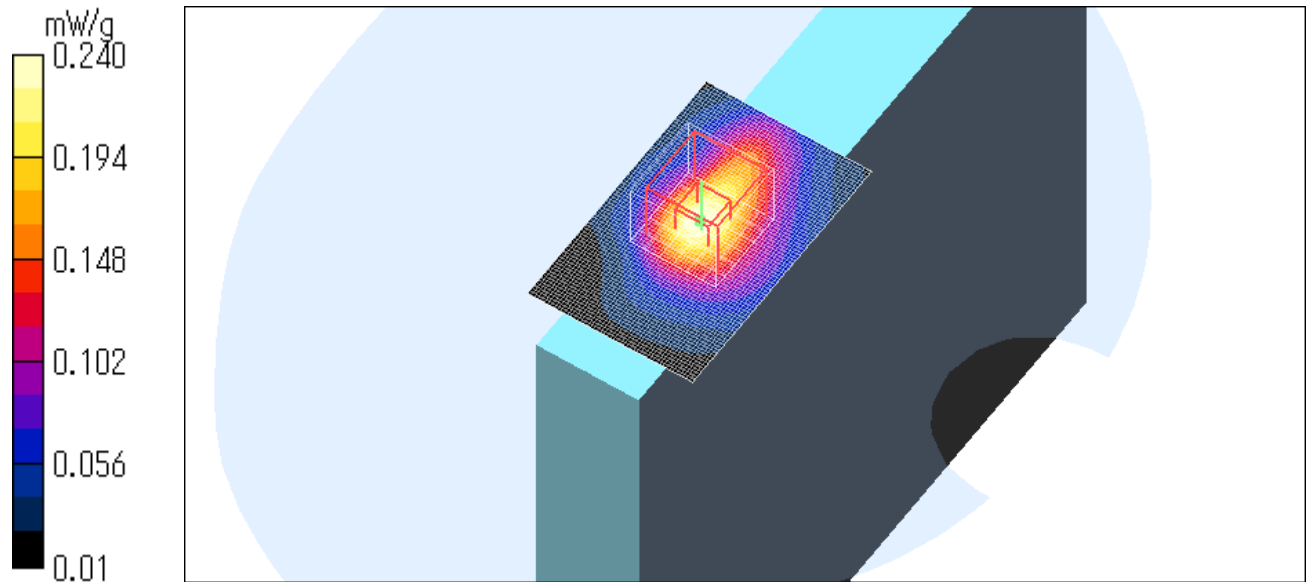
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.240 mW/g

Test Date = 04/28/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.6 degree.C. , After 23.6 degree.C.



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APPENDIX 3 : SAR Measurement data (5725-5850MHz)

P1510 / Body / Main Side / 11a 5785/ BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.723 mW/g

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

Reference Value = 3.64 V/m; Power Drift = -0.229 dB

Peak SAR (extrapolated) = 1.61 W/kg

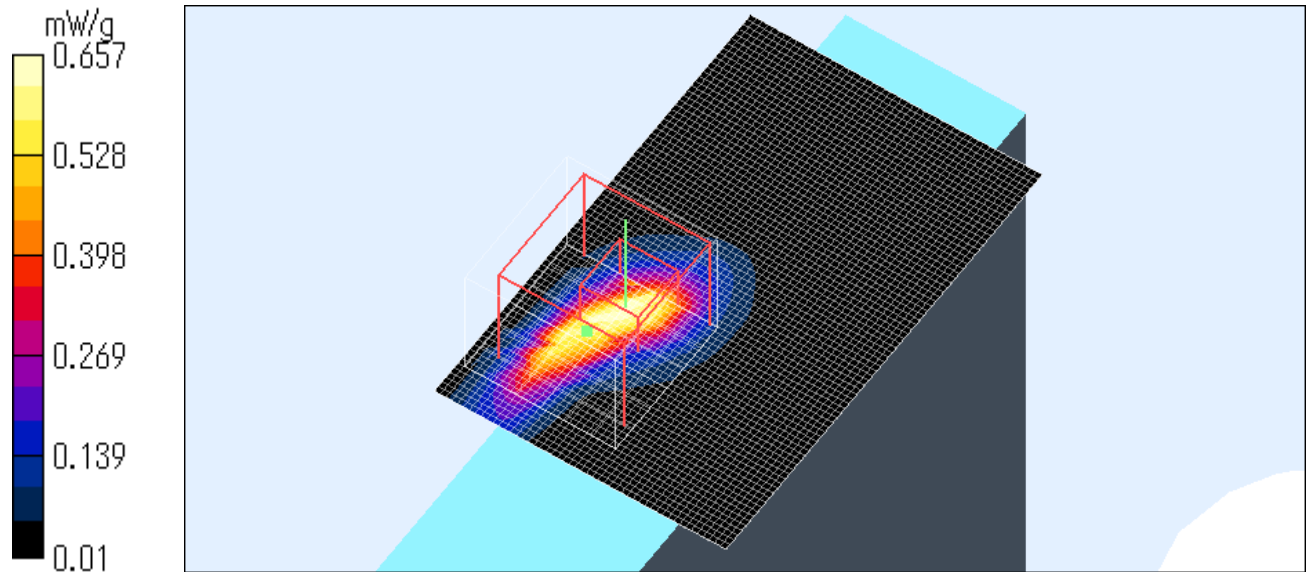
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.657 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

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



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P1510 / Body / Main Side / 11a 5785/ QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.908 mW/g

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

Reference Value = 5.38 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 1.83 W/kg

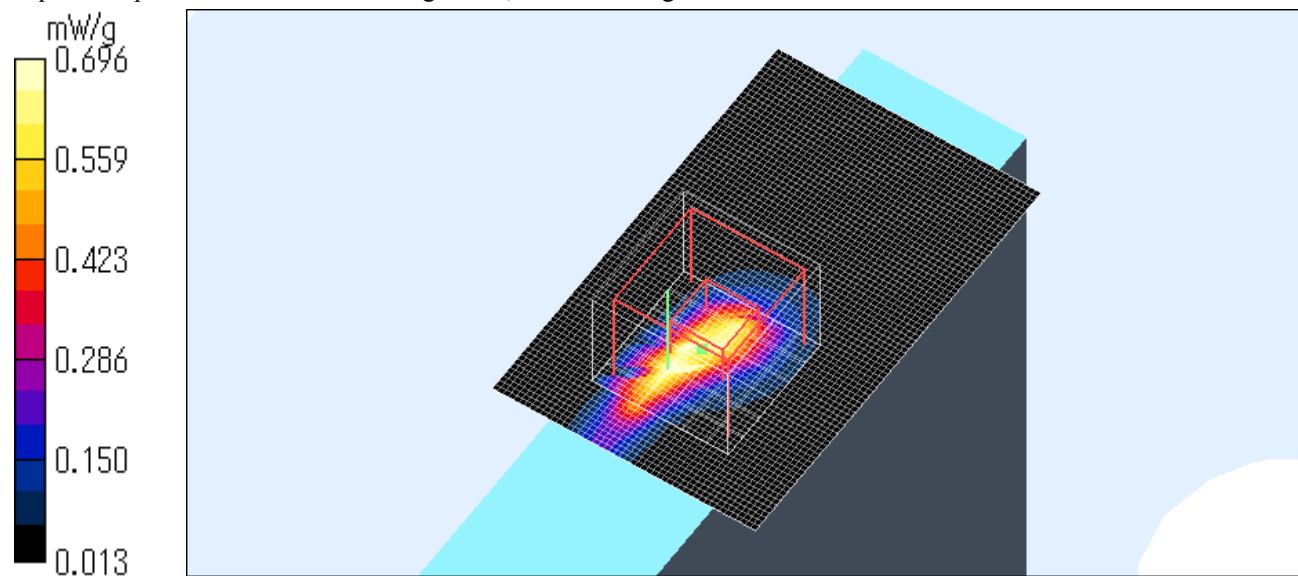
SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.696 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Main Side / 11a 5785/ 16QAM(24Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 4.49 V/m; Power Drift = 0.222 dB

Peak SAR (extrapolated) = 1.71 W/kg

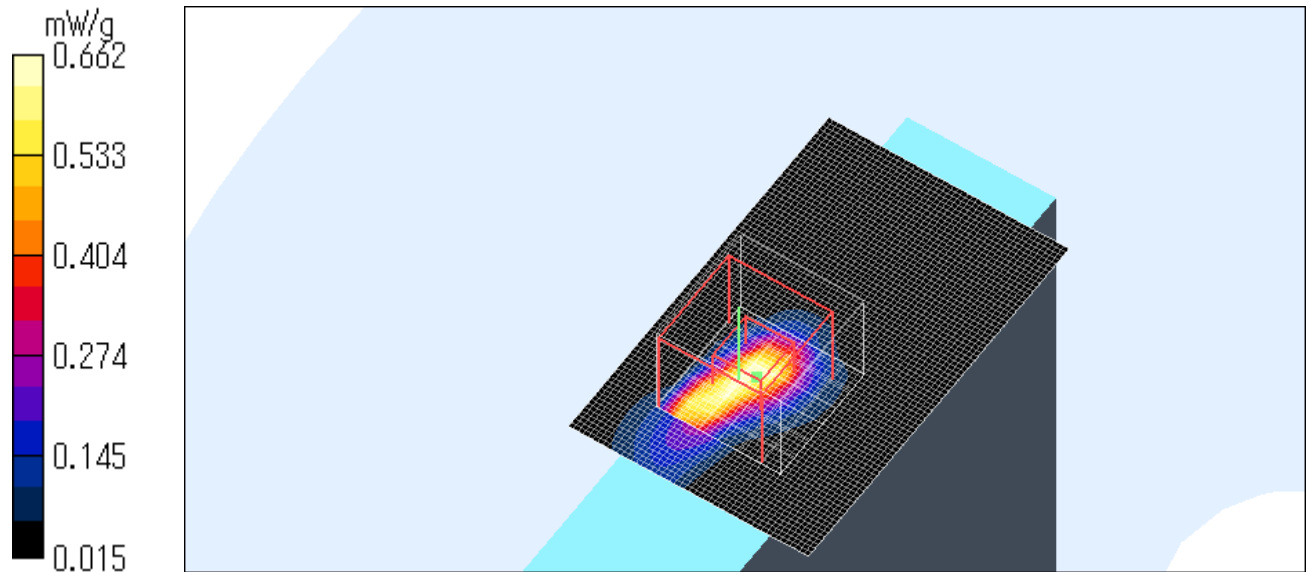
SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.103 mW/g

Maximum value of SAR (measured) = 0.662 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Main Side / 11a 5785/ 64QAM(48Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.574 mW/g

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

Reference Value = 4.44 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 1.31 W/kg

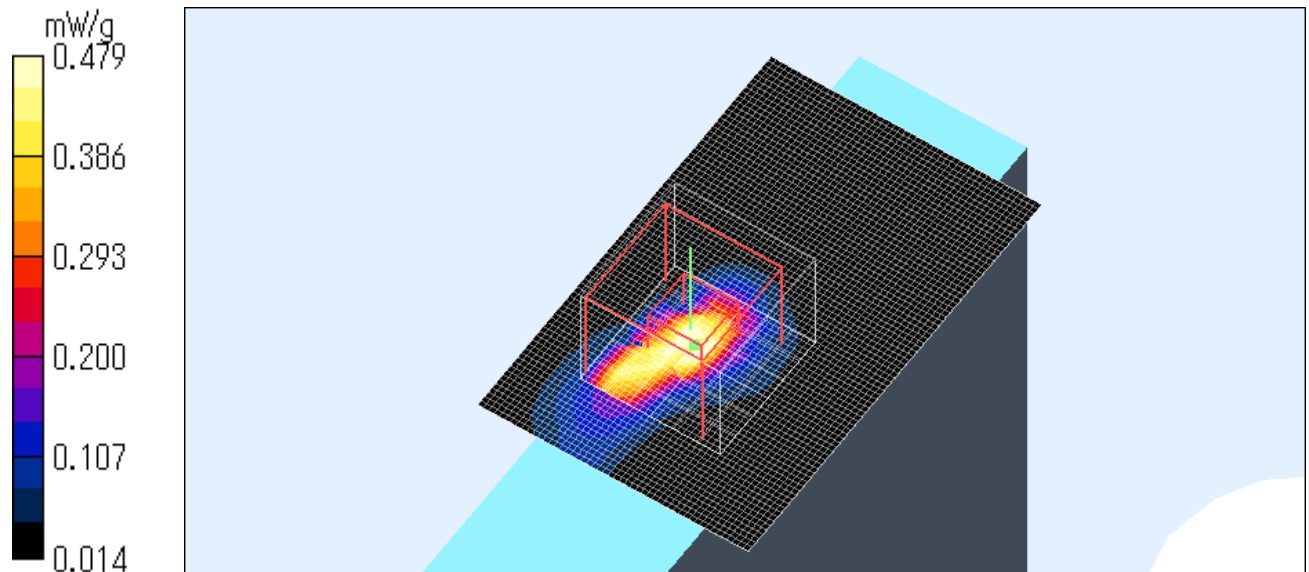
SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.479 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Main Side / 11a 5785 / QPSK(12Mbps) / Option Battery

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.743 mW/g

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

Reference Value = 4.72 V/m; Power Drift = -0.313 dB

Peak SAR (extrapolated) = 1.59 W/kg

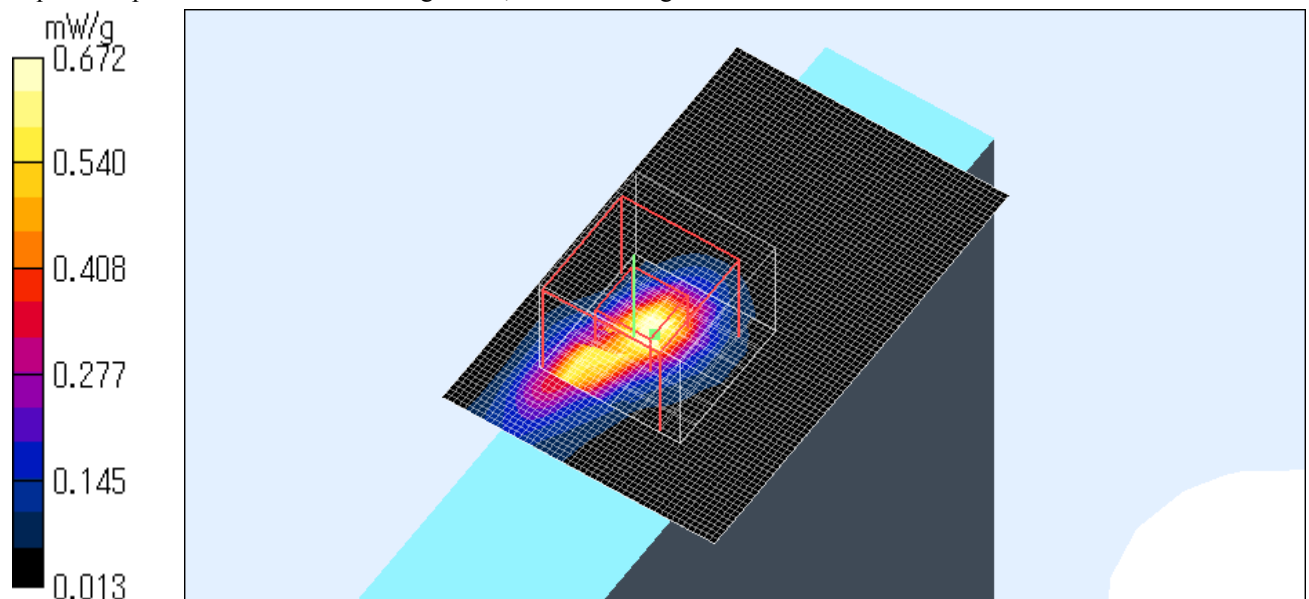
SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.672 mW/g

Test Date = 04/29/05

Ambient Temperature = 25.0degree.C.

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



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P1510 / Body / Main Front / 11a 5785 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.505 mW/g

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

Reference Value = 2.43 V/m; Power Drift = 0.293 dB

Peak SAR (extrapolated) = 2.16 W/kg

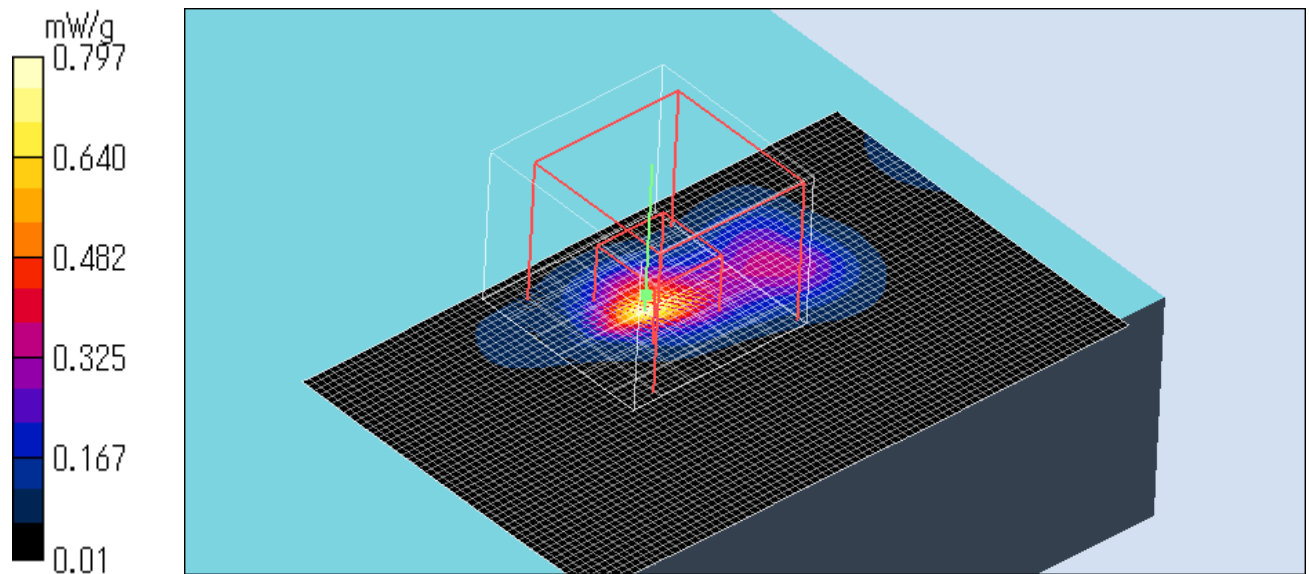
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.797 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

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



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P1510 / Body / Main Back / 11a 5785 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.049 mW/g

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

Reference Value = 2.32 V/m; Power Drift = -0.226 dB

Peak SAR (extrapolated) = 0.141 W/kg

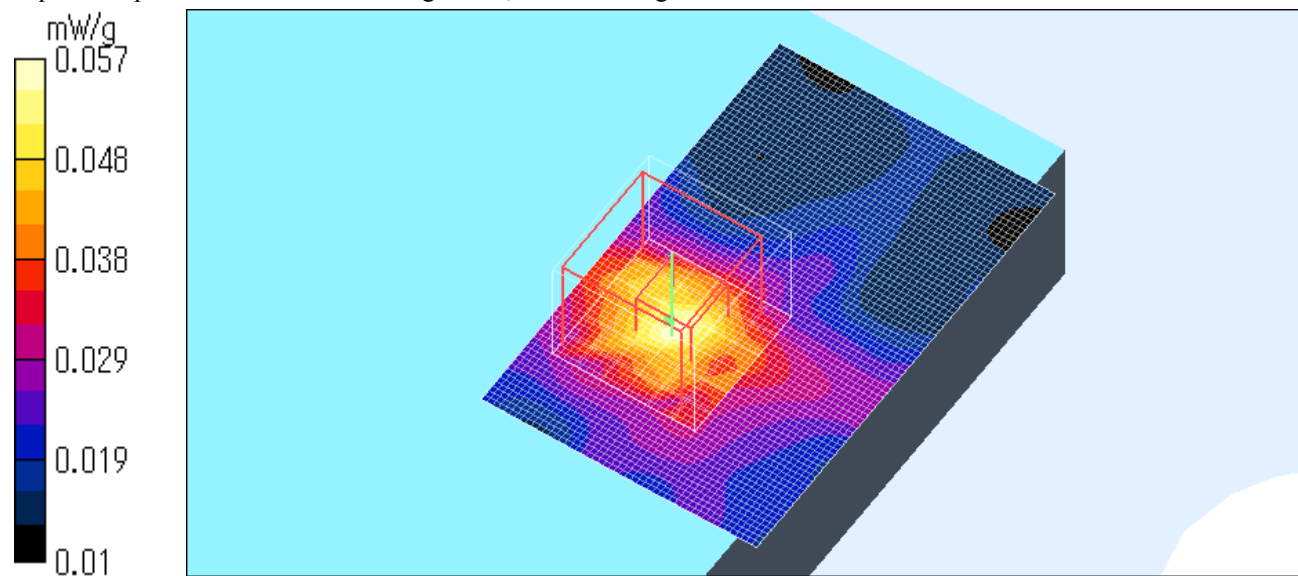
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.025 mW/g

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

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

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



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P1510 / Body / Main Bottom / 11a 5785 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (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 = 1.66 V/m; Power Drift = 0.346 dB

Peak SAR (extrapolated) = 0.038 W/kg

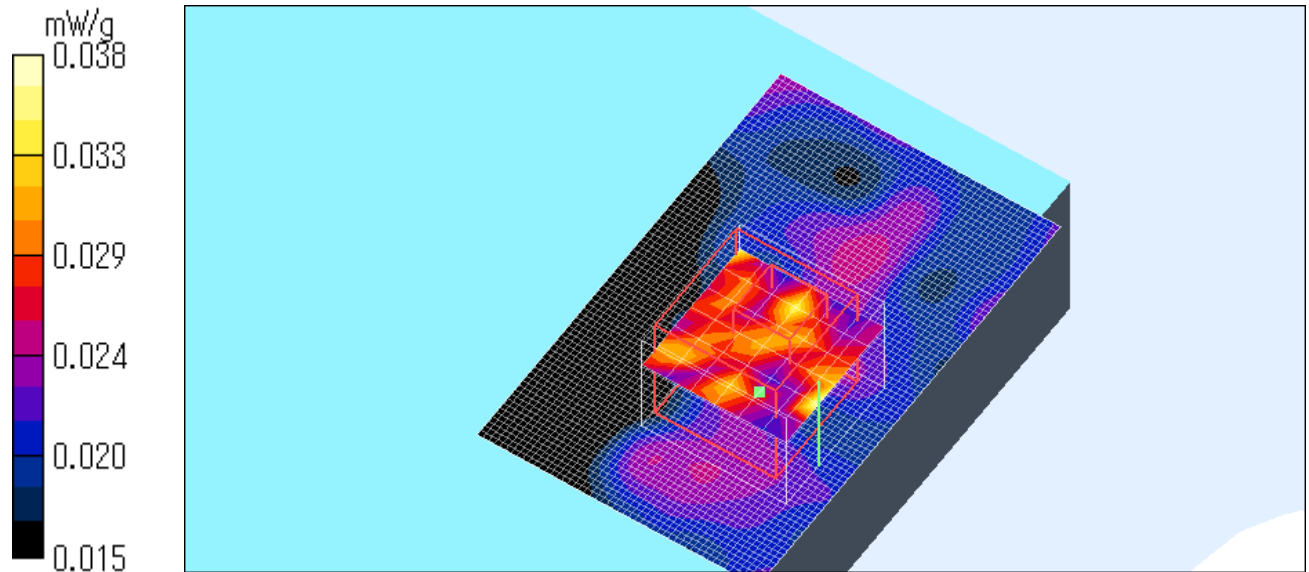
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.038 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

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



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P1510 / Body / Main Side / 11a 5745 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.865 mW/g

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

Reference Value = 2.91 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 1.87 W/kg

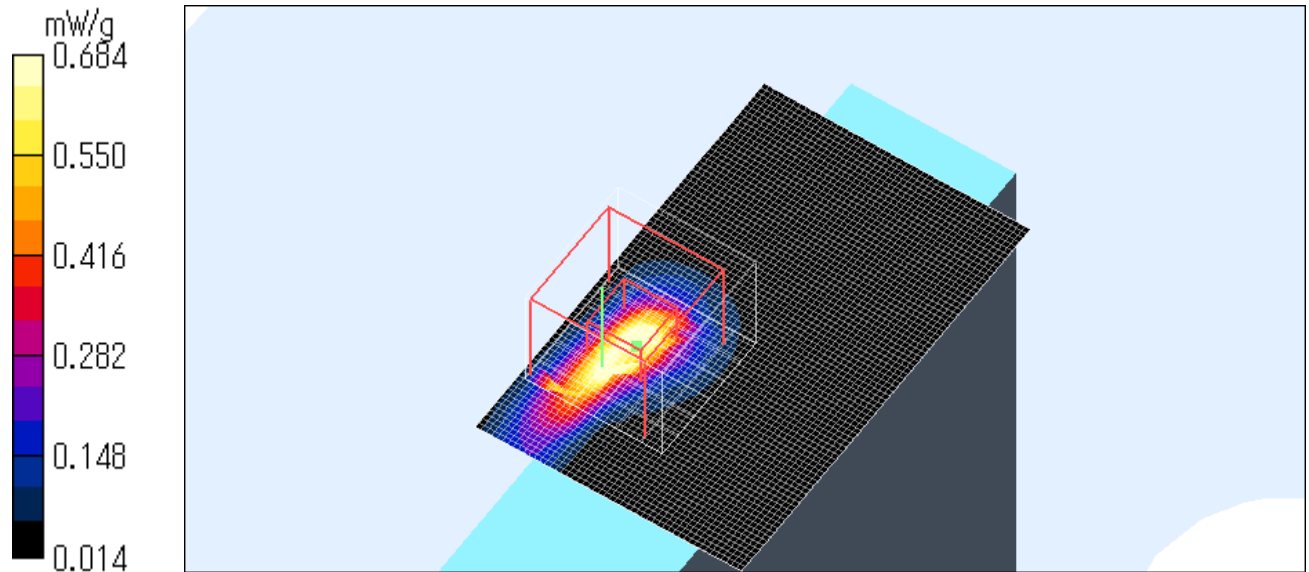
SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.684 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Main Side / 11a 5825 / QPSK(12Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.705 mW/g

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

Reference Value = 5.58 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.39 W/kg

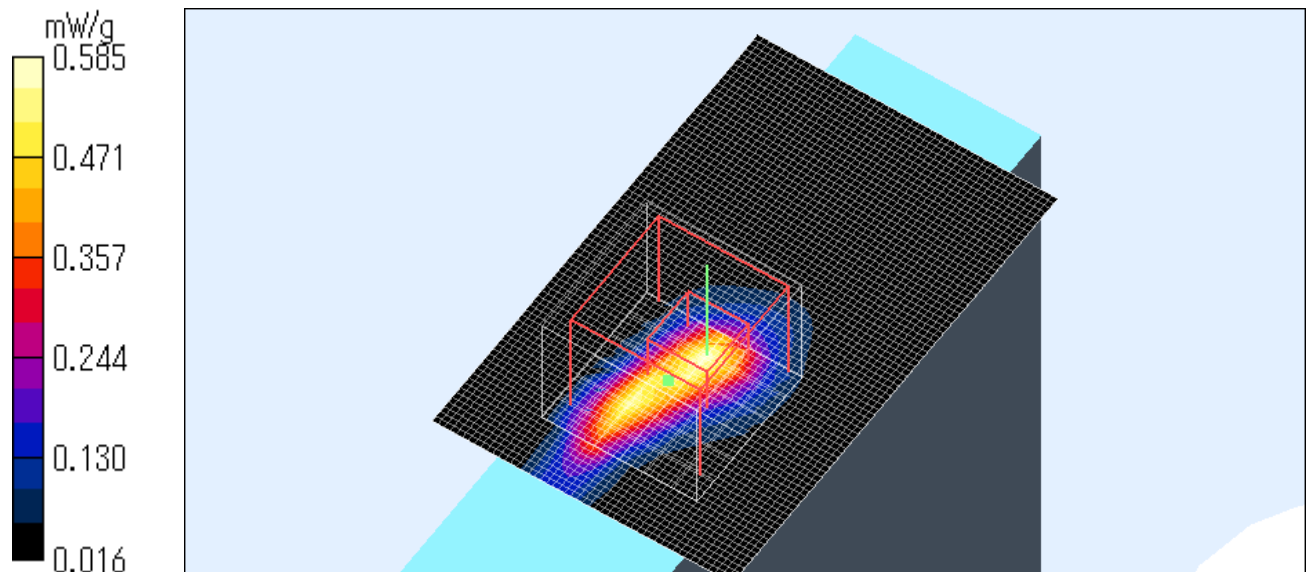
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.585 mW/g

Test Date = 04/29/05

Ambient Temperature = 24.5degree.C.

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



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P1510 / Body / Aux Side / 11a 5785 / BPSK(6Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.835 mW/g

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

Reference Value = 6.06 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 2.30 W/kg

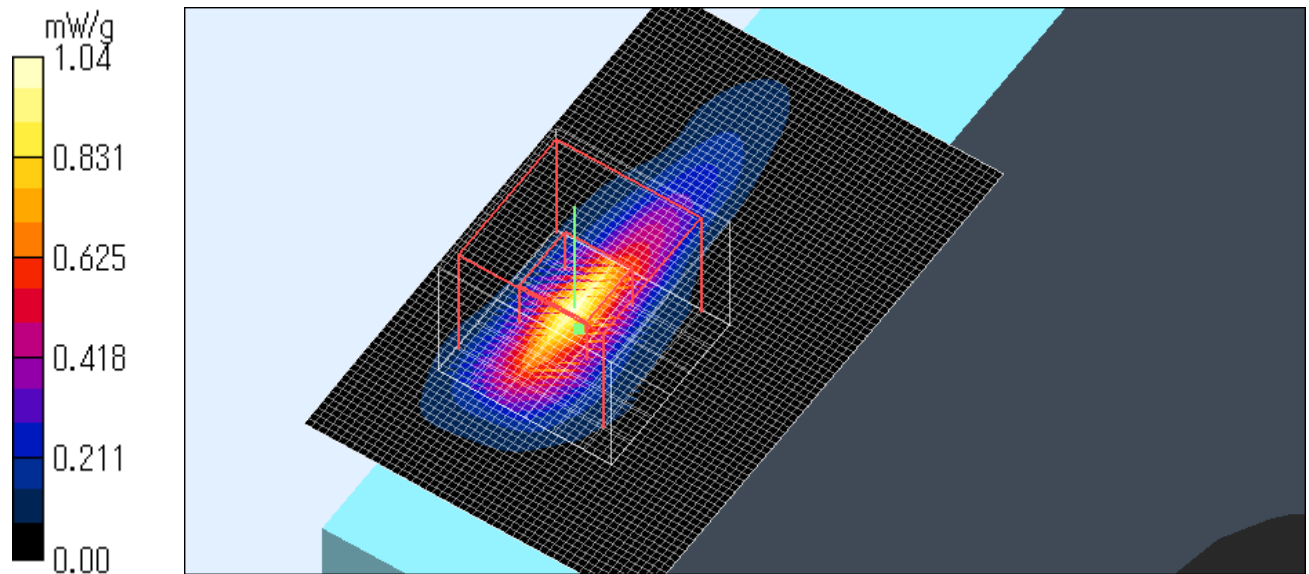
SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.121 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.3 degree.C. , After 23.3 degree.C.



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P1510 / Body / Aux Side / 11a 5785 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.806 mW/g

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

Reference Value = 6.01 V/m; Power Drift = 0.230 dB

Peak SAR (extrapolated) = 2.51 W/kg

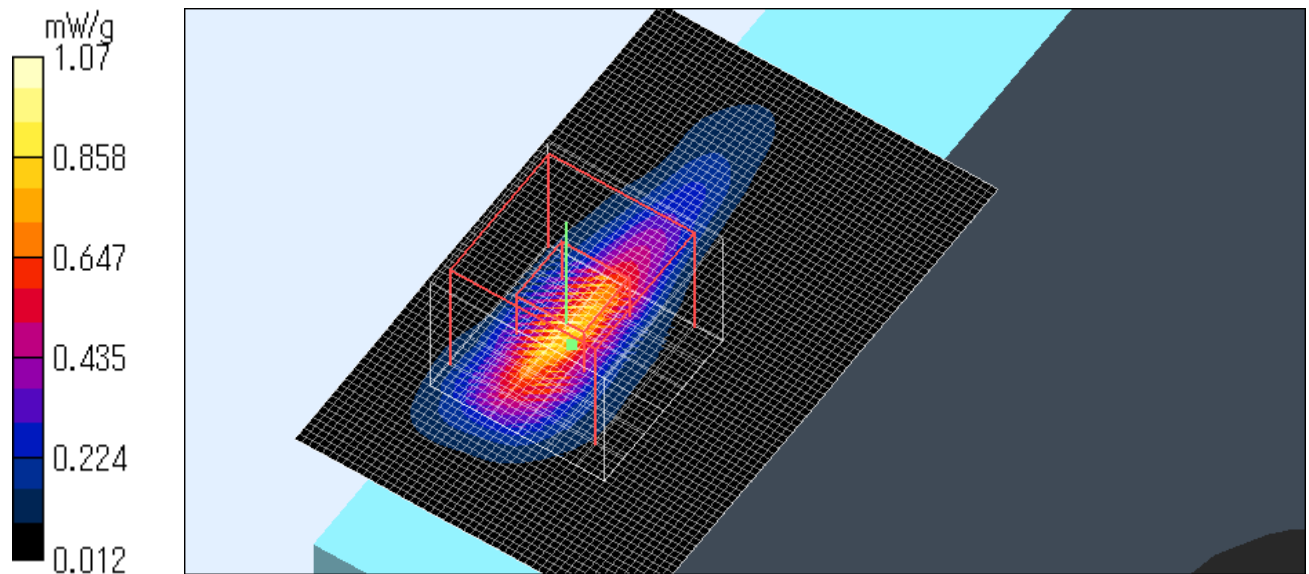
SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 1.07 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.4 degree.C. , After 23.4 degree.C.



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P1510 / Body / Aux Side / 11a 5785 / 16QAM(24Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 8.45 V/m; Power Drift = 0.317 dB

Peak SAR (extrapolated) = 2.44 W/kg

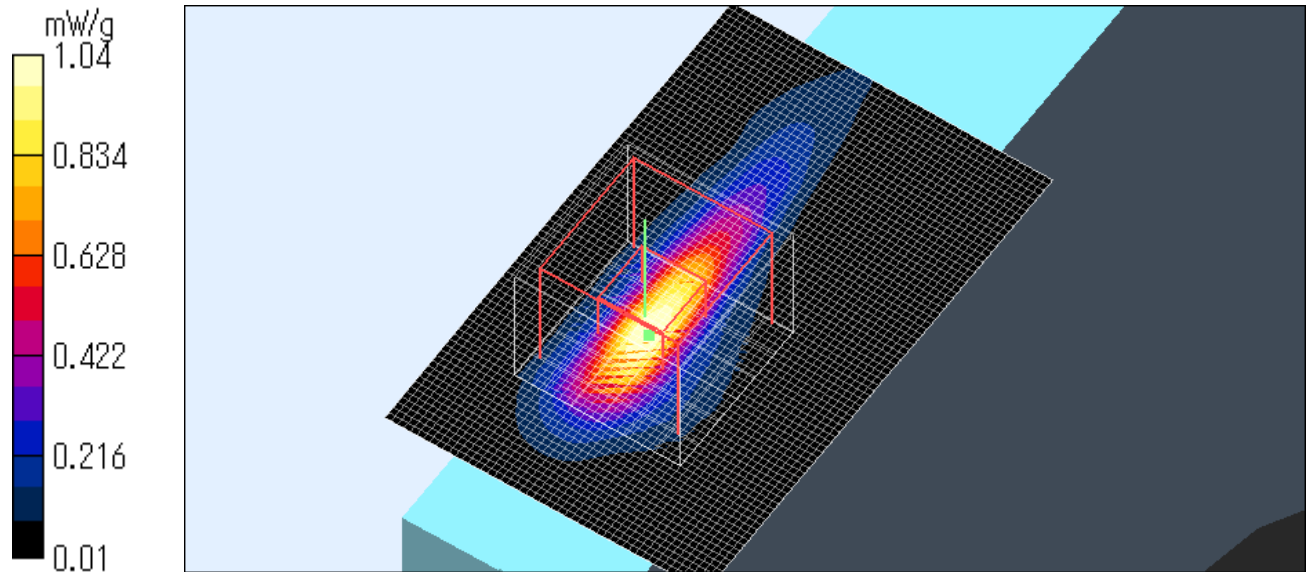
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.5 degree.C. , After 23.7 degree.C.



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P1510 / Body / Aux Side / 11a 5785 / 64QAM(48Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.714 mW/g

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

Reference Value = 6.94 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 1.71 W/kg

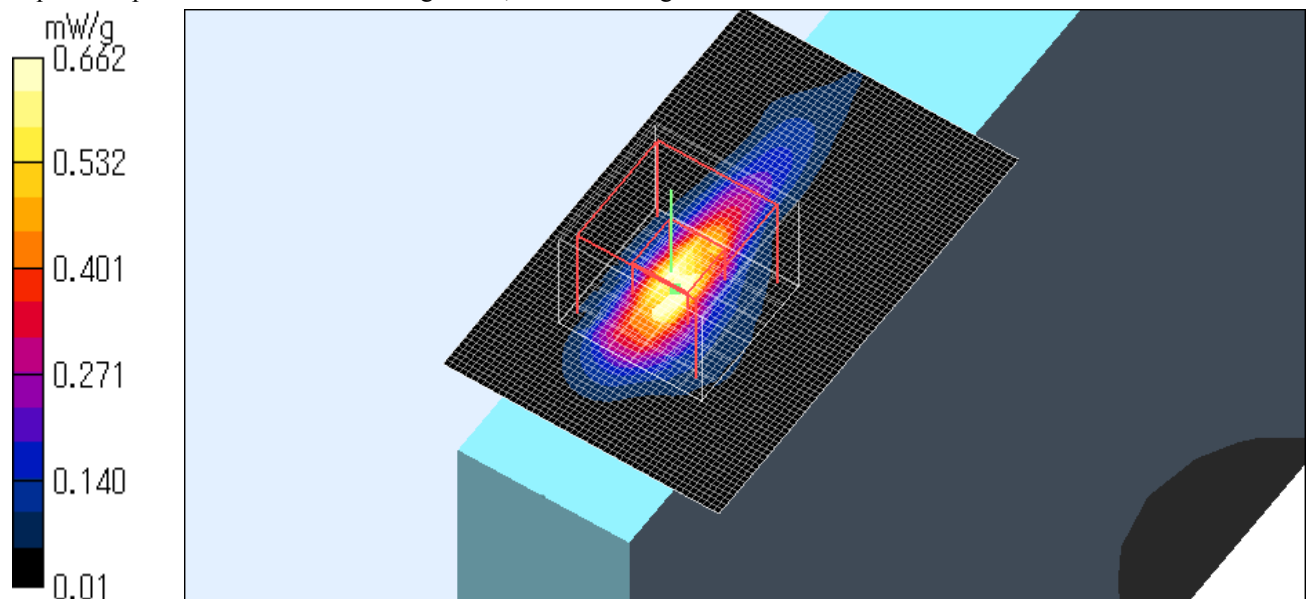
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.662 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.7 degree.C. , After 23.7 degree.C.



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P1510 / Body / Aux Front/ 11a 5785 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.714 mW/g

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

Reference Value = 6.94 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 1.71 W/kg

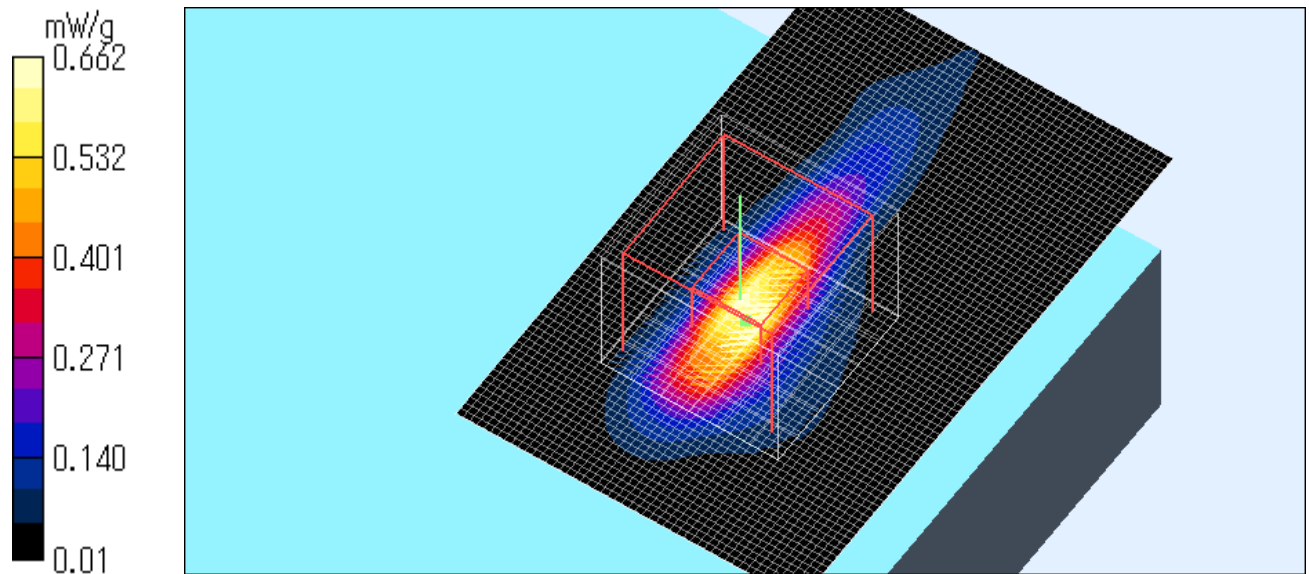
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.662 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Back/ 11a 5785 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.090 mW/g

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

Reference Value = 3.98 V/m; Power Drift = -0.253 dB

Peak SAR (extrapolated) = 0.165 W/kg

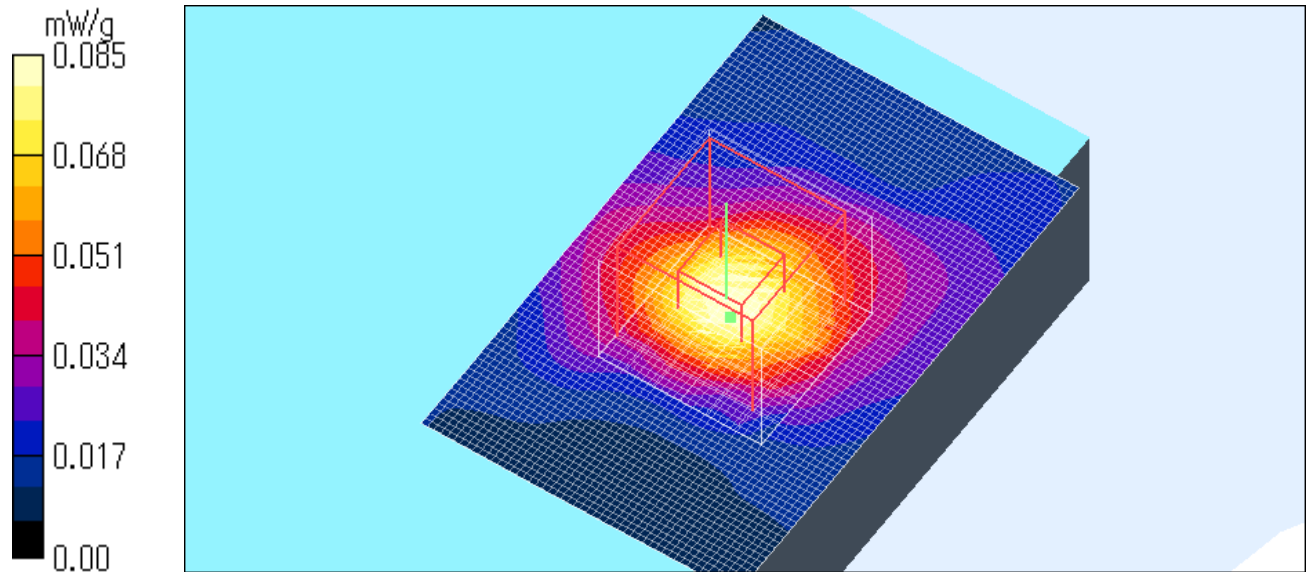
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.085 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Bottom / 11a 5785 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.029 mW/g

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

Reference Value = 1.35 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 0.028 W/kg

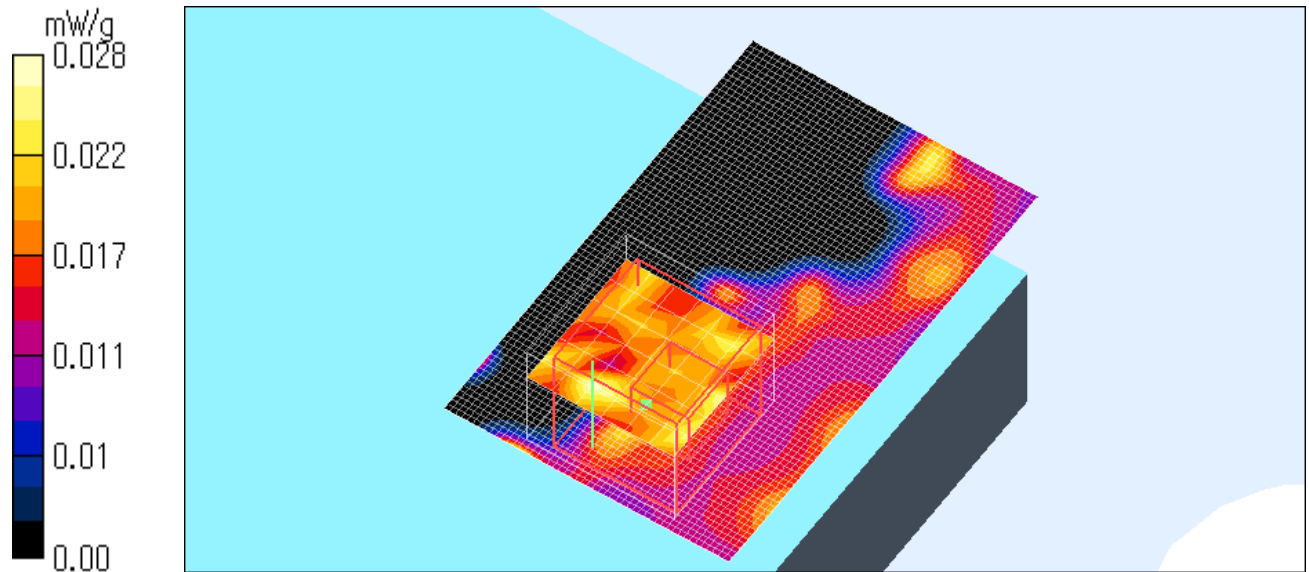
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.018 mW/g

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

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Side / 11a 5745 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 2.09 mW/g

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

Reference Value = 16.6 V/m; Power Drift = -0.137 dB

Peak SAR (extrapolated) = 4.59 W/kg

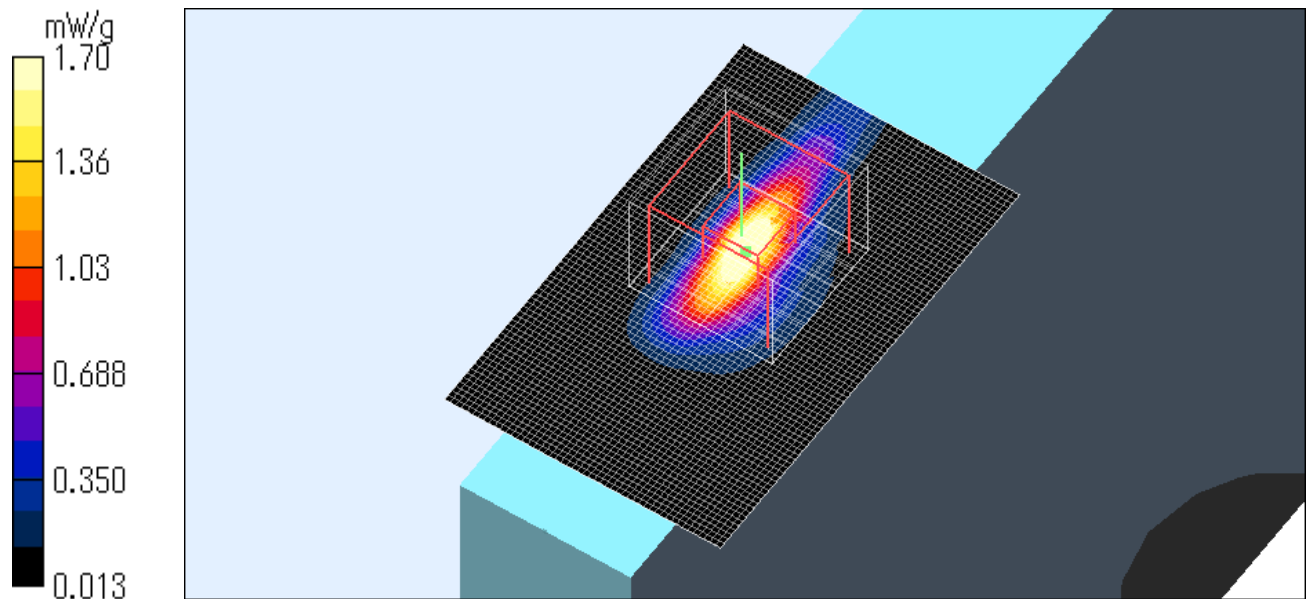
SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 1.70 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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Z-axis at maximum SAR location

P1510 / Body / Aux Side / 11a 5745 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

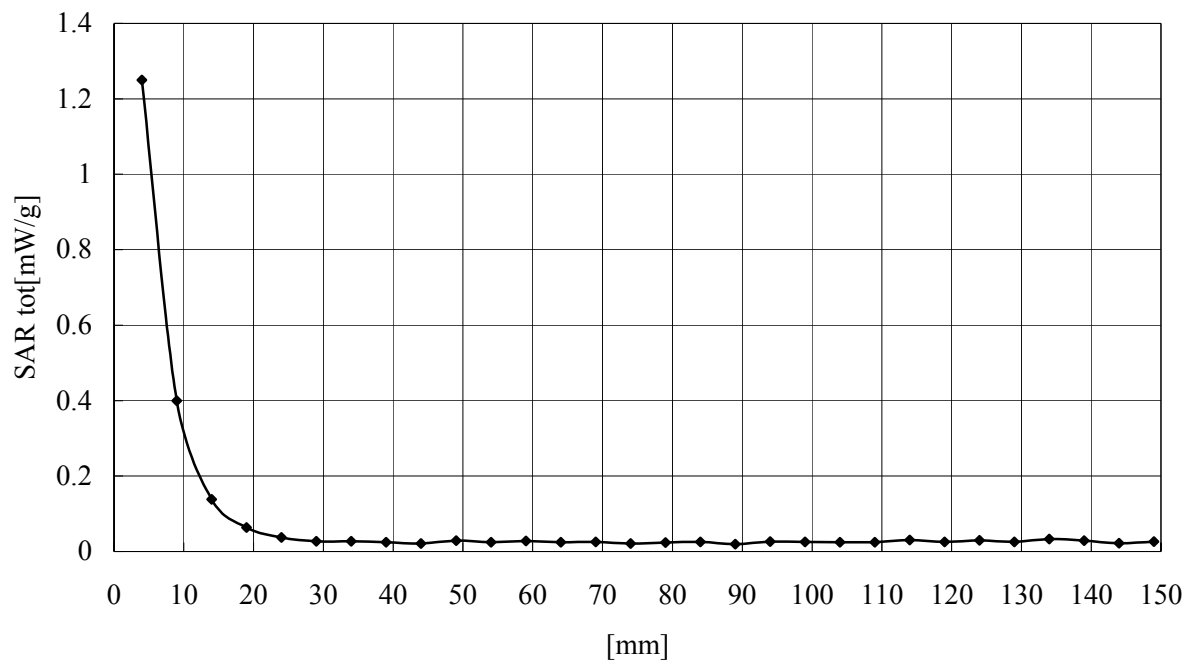
Probe: EX3DV4 - SN3540; ConvF(4.06, 4.06, 4.06); Calibrated: 2005/01/14

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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1510 / Body / Aux Side / 11a 5785 / QPSK(18Mbps)

Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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 (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 1.23 mW/g

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

Reference Value = 11.3 V/m; Power Drift = -0.245 dB

Peak SAR (extrapolated) = 2.84 W/kg

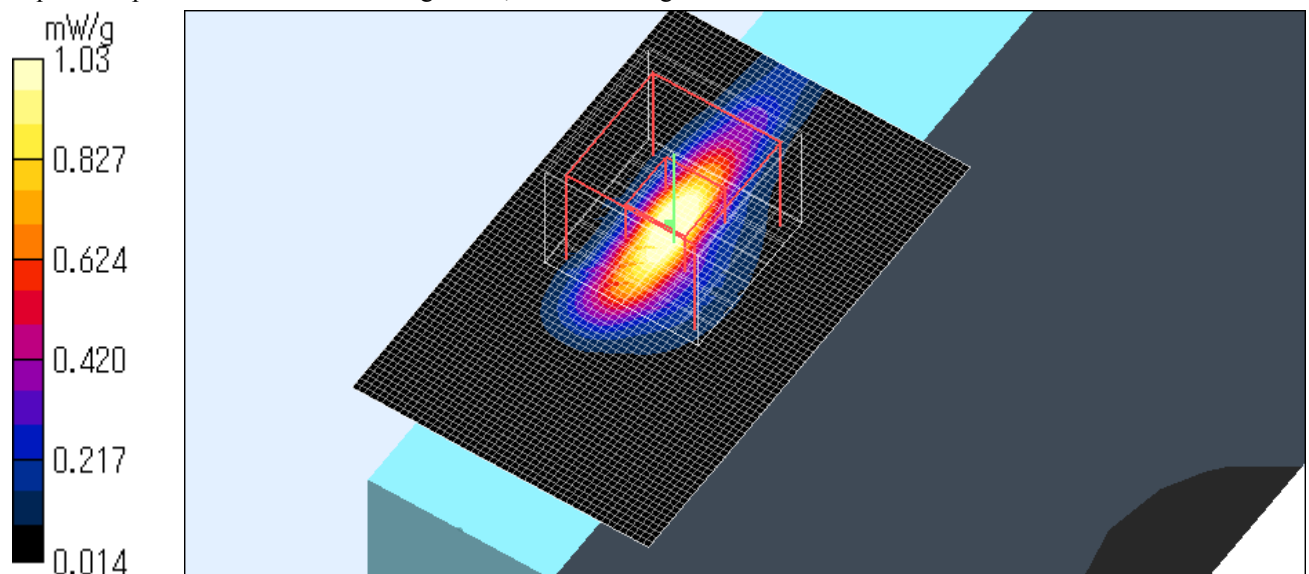
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.143 mW/g

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

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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P1510 / Body / Aux Side / 11a 5745 / QPSK(18Mbps) /5mm

Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.25 \text{ mho/m}$; $\epsilon_r = 46.2$; $\rho = 1000 \text{ kg/m}^3$

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 (51x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.369 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 = 6.84 V/m; Power Drift = -0.314 dB

Peak SAR (extrapolated) = 0.706 W/kg

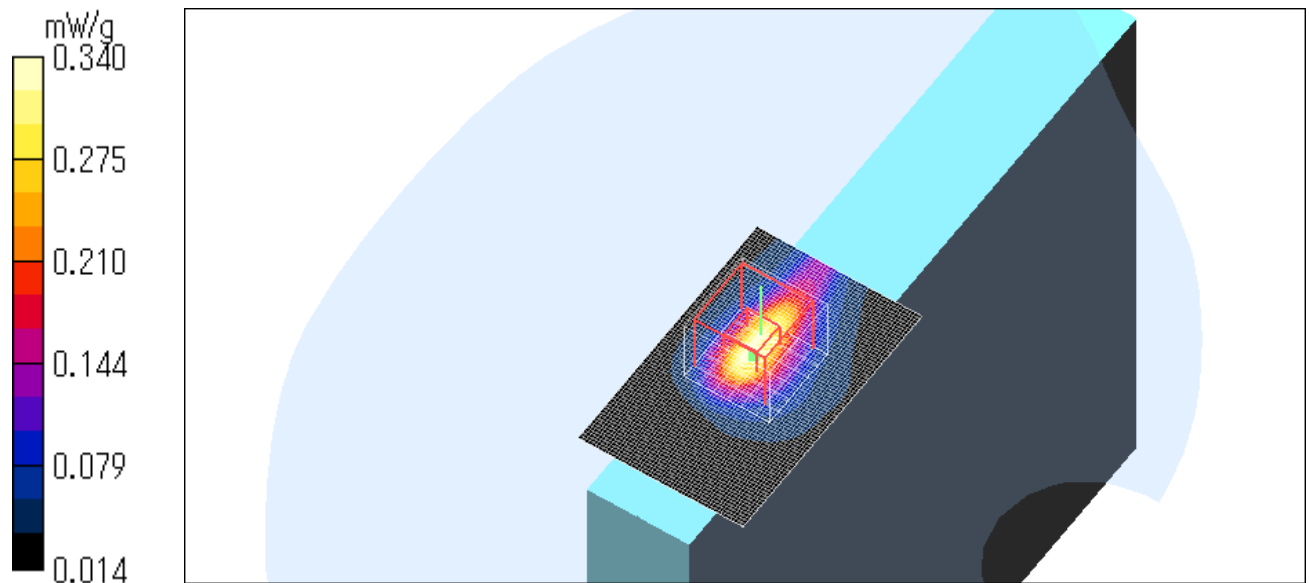
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.340 mW/g

Test Date = 05/19/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.6 degree.C. , After 23.6 degree.C.



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P1510 / Body / Aux Side / 11a 5745 / QPSK(18Mbps) /10mm

Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.25 \text{ mho/m}$; $\epsilon_r = 46.2$; $\rho = 1000 \text{ kg/m}^3$

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 (51x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.154 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 = 5.32 V/m ; Power Drift = -0.313 dB

Peak SAR (extrapolated) = 0.229 W/kg

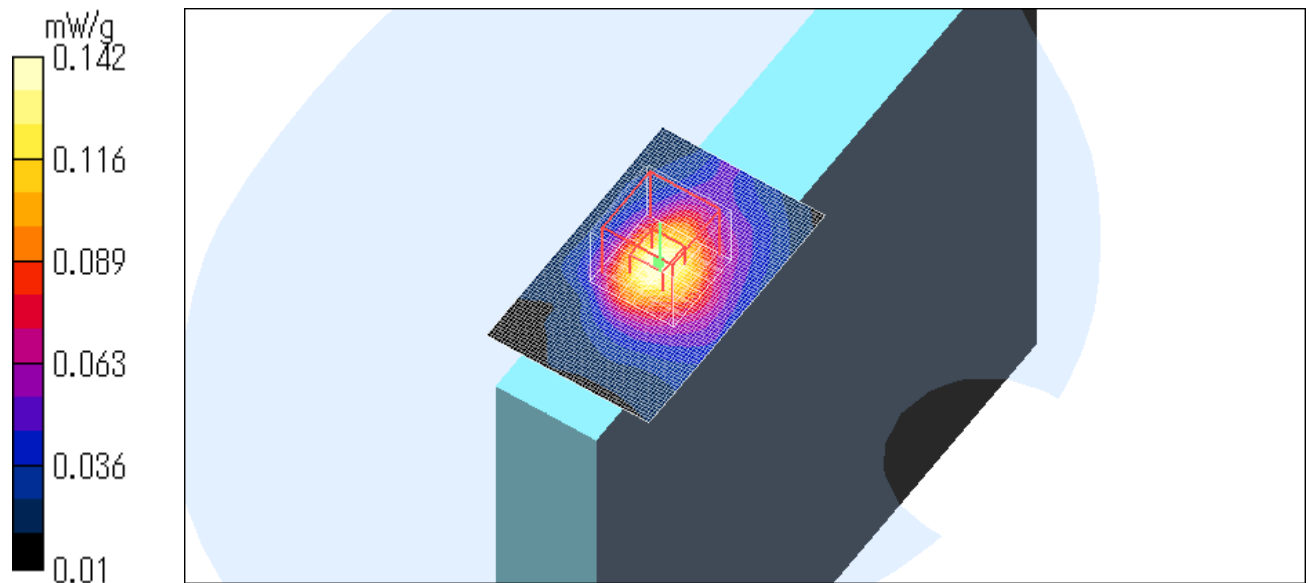
SAR(1 g) = 0.084 mW/g ; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.142 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C .

Liquid Temperature = Before 23.6 degree.C ., After 23.6 degree.C .



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APPENDIX 4: Validation Measurement data

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

Dipole 5800 MHz;
-Type: D5GHzV2; Serial: 1020

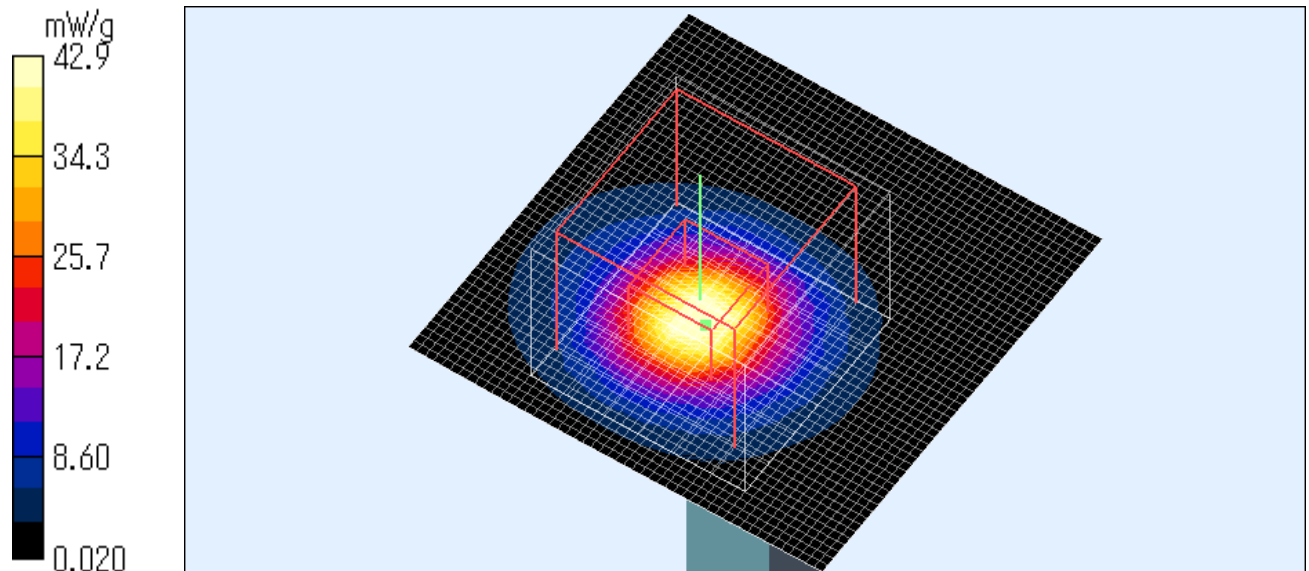
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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 (51x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 46.6 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 77.2 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 83.1 W/kg
SAR(1 g) = 22.1 mW/g; SAR(10 g) = 6.2 mW/g
Maximum value of SAR (measured) = 42.9 mW/g

Test Date = 04/25/05
Ambient Temperature = 25.0 degree.C.
Liquid Temperature = Before 23.2 degree.C. , After 23.2 degree.C.



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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; $\sigma = 5.45$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ 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

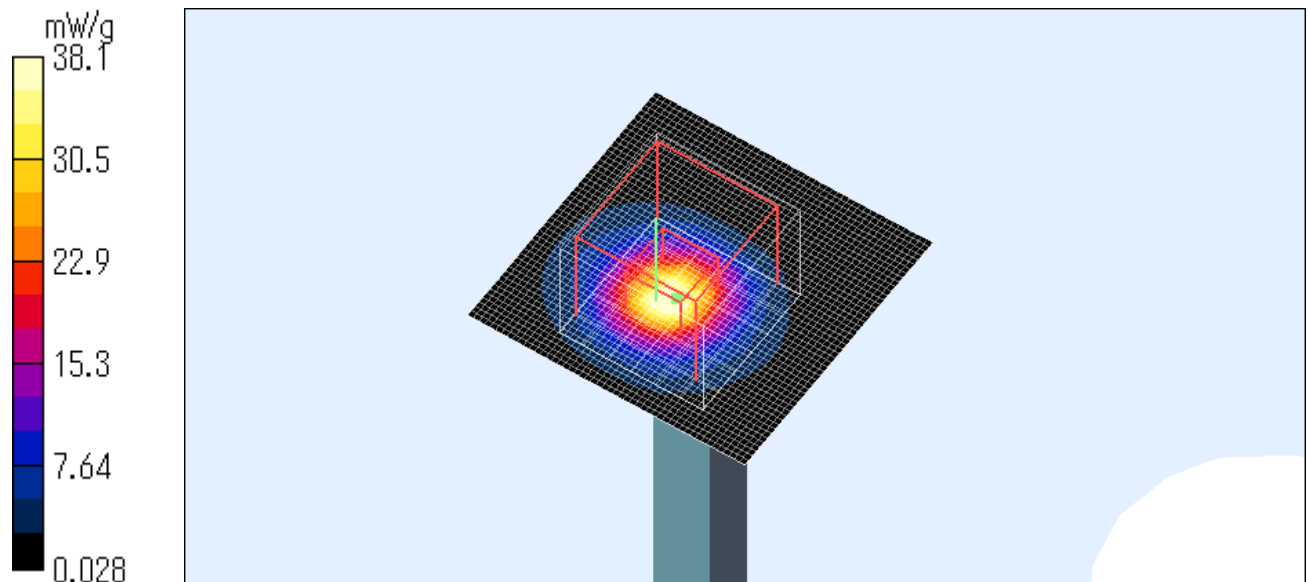
Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 40.3 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 78.7 V/m; Power Drift = -0.179 dB
Peak SAR (extrapolated) = 70.6 W/kg
SAR(1 g) = 19.2 mW/g; SAR(10 g) = 5.48 mW/g
Maximum value of SAR (measured) = 38.1 mW/g

Test Date = 04/28/05

Ambient Temperature = 25.0 degree.C.

Liquid Temperature = Before 23.8 degree.C. , After 23.8 degree.C.



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5800MHz System Validation / Dipole 5GHz / 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; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ 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) = 45.0 mW/g

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

Reference Value = 76.4 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 82.2 W/kg

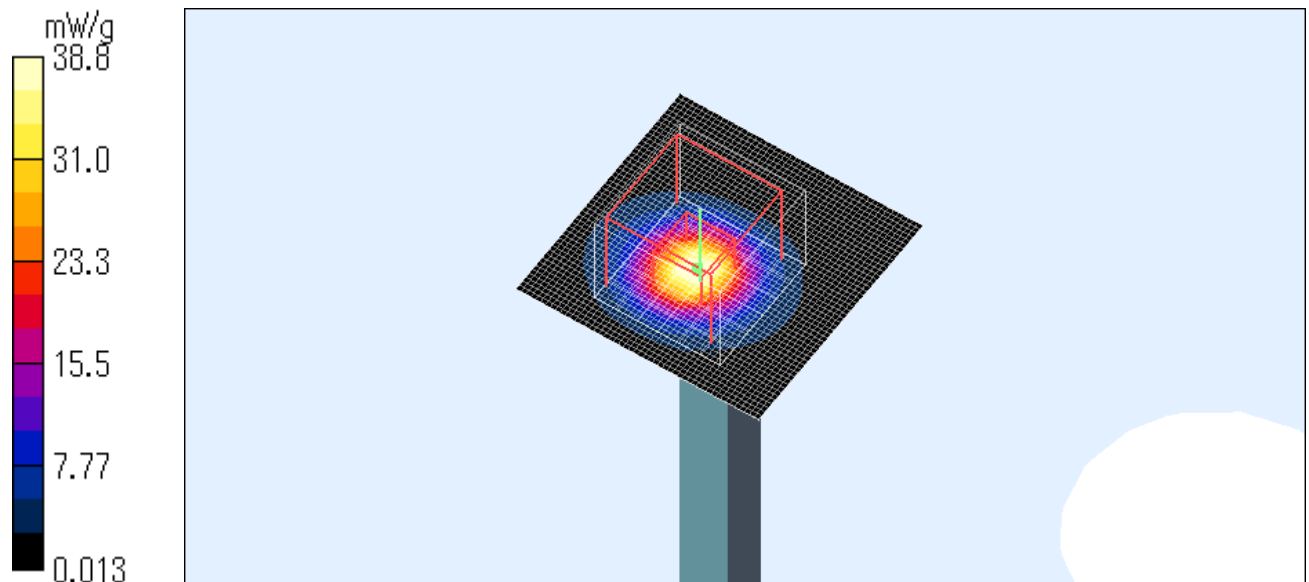
SAR(1 g) = 19.6 mW/g; SAR(10 g) = 5.5 mW/g

Maximum value of SAR (measured) = 38.8 mW/g

Test Date = 04/26/05

Ambient Temperature = 25.0 degree.C.

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



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

Dipole 5800 MHz;
-Type: D5GHzV2; Serial: 1020

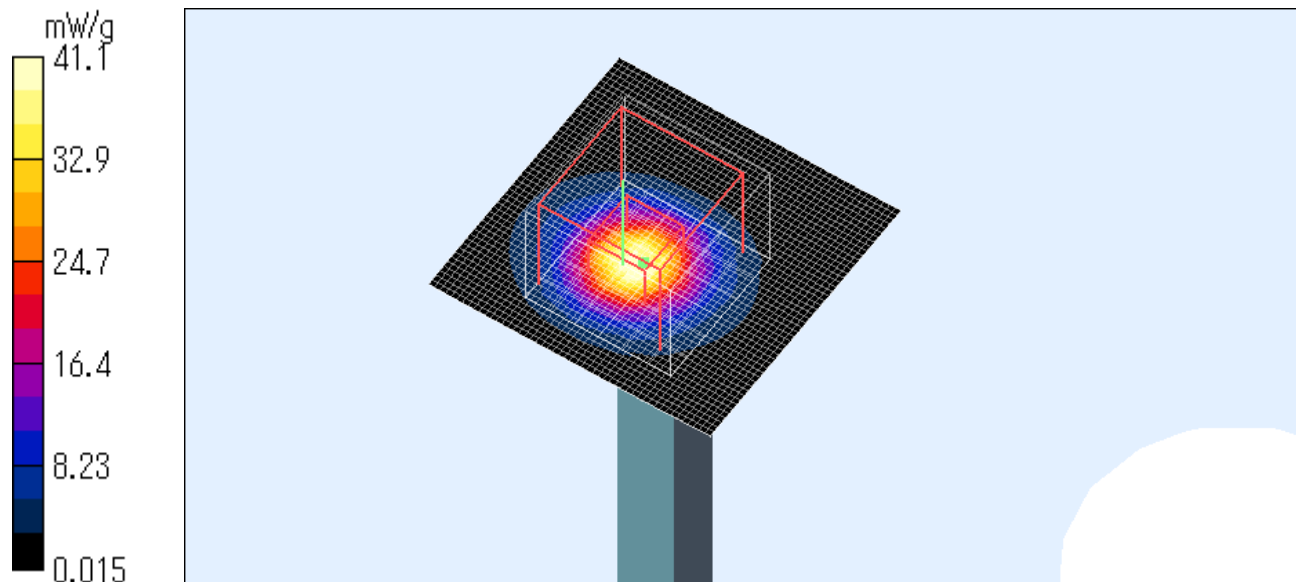
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 43.9 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 76.4 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 84.8 W/kg
SAR(1 g) = 20.1 mW/g; SAR(10 g) = 5.57 mW/g
Maximum value of SAR (measured) = 41.1 mW/g

Test Date = 04/29/05
Ambient Temperature = 25.0 degree.C.
Liquid Temperature = Before 24.2 degree.C. , After 24.2 degree.C.



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