

APPENDIX 2 : SAR Measurement data

FHT401S3BW / Body / Front / DSSS / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0268 mW/g

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

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.0426 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR = 0.0304 mW/g

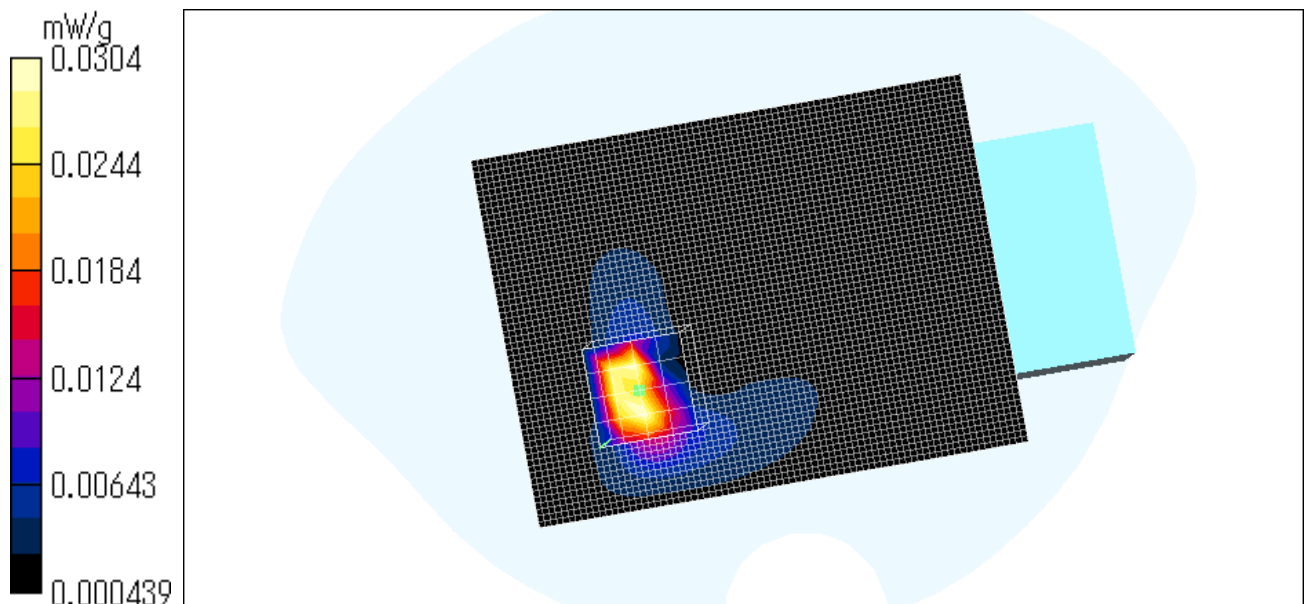
Reference Value = 1.02 V/m

Power Drift = -0.1 dB

Test Date = 08/03/04

Ambient Temperature = 24.5 degree.c

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



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FHT401S3BW/ Body / Back / DSSS / 2437MHz

Crest factor: 1
Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

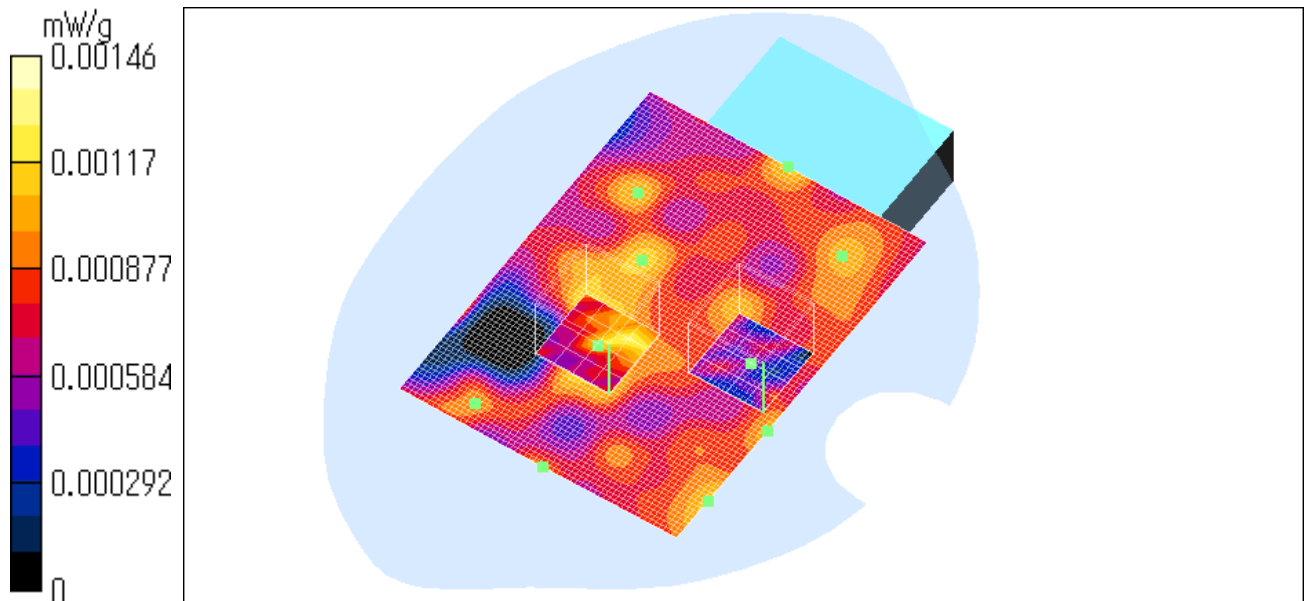
Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR = 0.00147 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.0449 W/kg
SAR(1 g) = 0.00114 mW/g; SAR(10 g) = 0.000904 mW/g
Maximum value of SAR = 0.00156 mW/g

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.0031 W/kg
SAR(1 g) = 0.000814 mW/g; SAR(10 g) = 0.000587 mW/g
Maximum value of SAR = 0.00146 mW/g

Reference Value = 0.648 V/m
Power Drift = -0.3 dB

Test Date = 08/03/04
Ambient Temperature = 24.5 degree.c
Liquid Temperature = Before 24.3 degree.C , After 24.3 degree.C



FHT401S3BW/ Body / Top / DSSS / 2437MHz

Crest factor: 1
Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)
Phantom section: Flat Section

DASY4 Configuration:

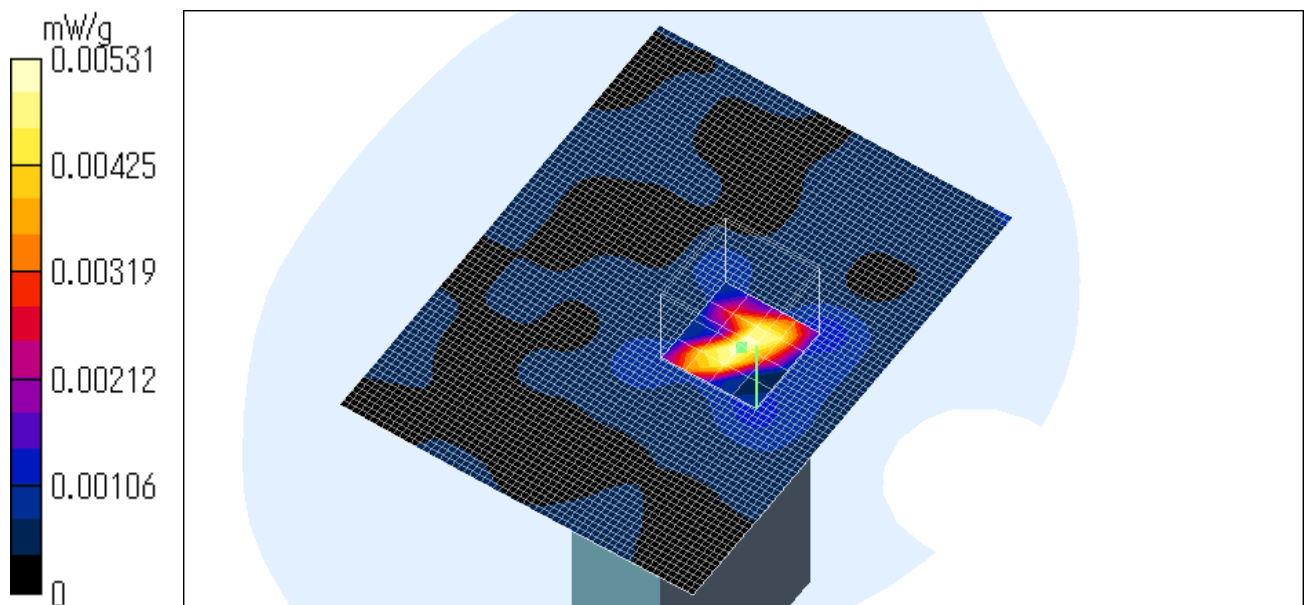
- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR = 0.00445 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.0446 W/kg
SAR(1 g) = 0.0067 mW/g; SAR(10 g) = 0.00262 mW/g
Maximum value of SAR = 0.00531 mW/g

Reference Value = 0.557 V/m
Power Drift = -0.009 dB

Test Date = 08/03/04
Ambient Temperature = 24.5 degree.c
Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



FHT401S3BW/ Body / Right Side / DSSS / 2437MHz

Crest factor: 1
Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR = 0.0012 mW/g

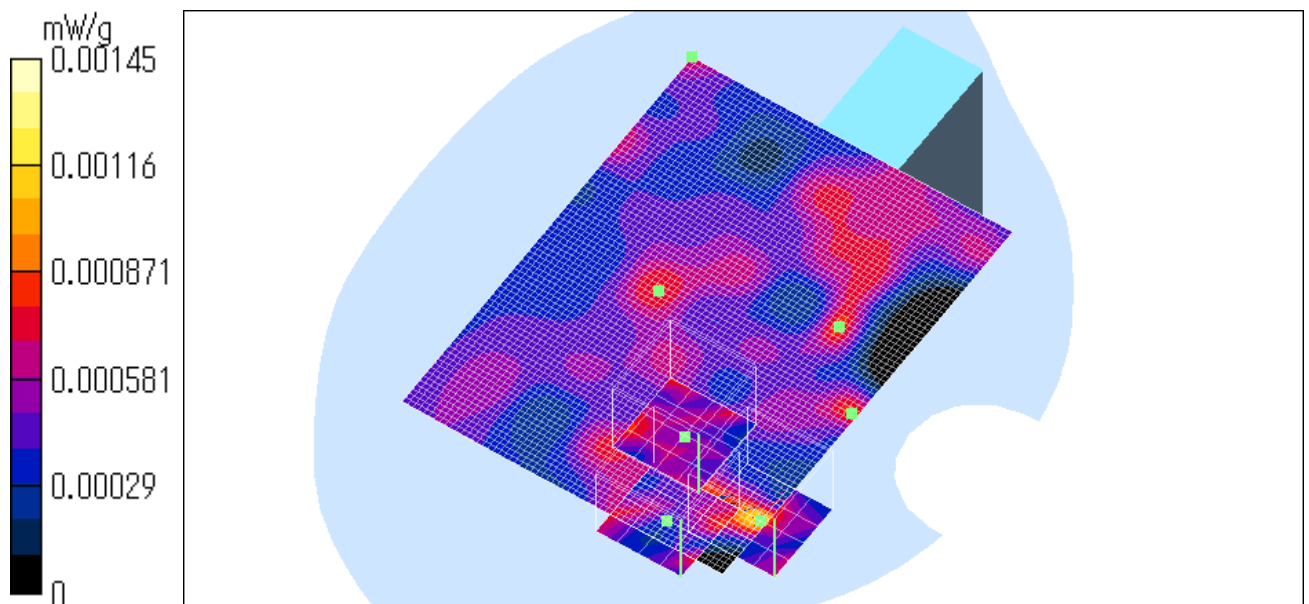
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.00135 W/kg
SAR(1 g) = 0.000808 mW/g; SAR(10 g) = 0.000569 mW/g
Maximum value of SAR = 0.00134 mW/g

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.00202 W/kg
SAR(1 g) = 0.00115 mW/g; SAR(10 g) = 0.000646 mW/g
Maximum value of SAR = 0.00194 mW/g

Zoom Scan (5x5x7)/Cube 2: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.0014 W/kg
SAR(1 g) = 0.000884 mW/g; SAR(10 g) = 0.000626 mW/g
Maximum value of SAR = 0.00145 mW/g

Reference Value = 0.37 V/m
Power Drift = 0.4 dB

Test Date = 08/03/04
Ambient Temperature = 24.5 degree.c
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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FHT401S3BW/ Body / Left side / DSSS / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.00207 mW/g

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

Peak SAR (extrapolated) = 0.0058 W/kg

SAR(1 g) = 0.00174 mW/g; SAR(10 g) = 0.00108 mW/g

Maximum value of SAR = 0.00207 mW/g

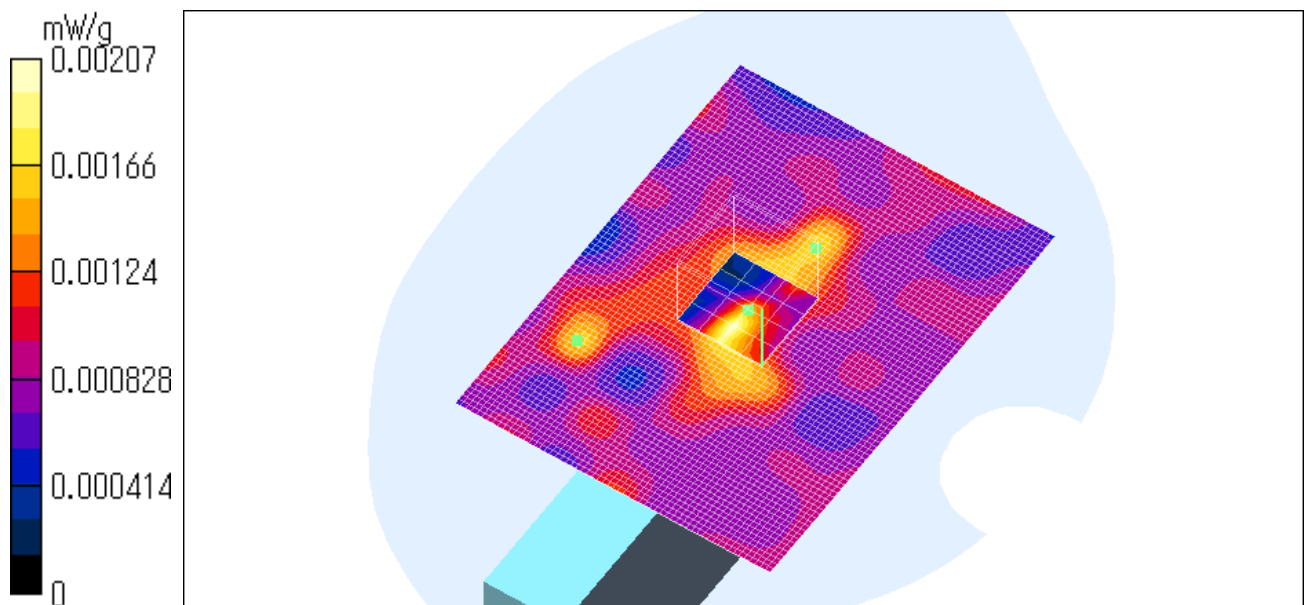
Reference Value = 0.966 V/m

Power Drift = -0.1 dB

Test Date = 08/03/04

Ambient Temperature = 24.5 degree.c

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



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FHT401S3BW/ Body / Front / DSSS / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.094 mW/g

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

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.0442 mW/g

Maximum value of SAR = 0.144 mW/g

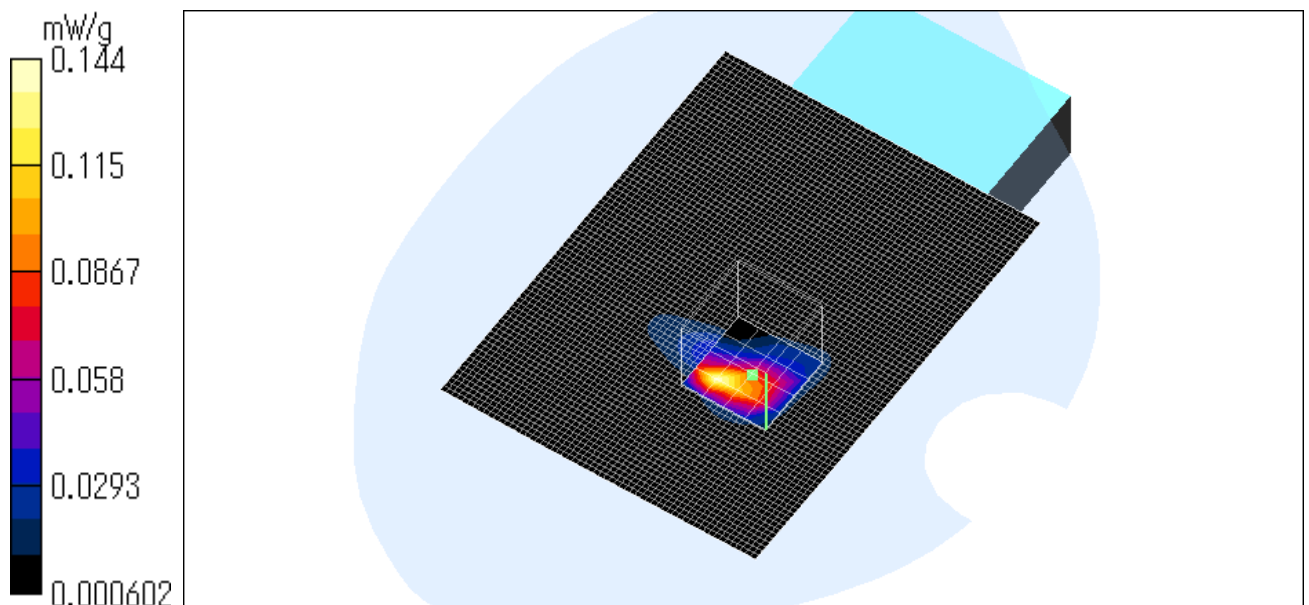
Reference Value = 0.93 V/m

Power Drift = 0.3 dB

Test Date = 08/03/04

Ambient Temperature = 24.5 degree.c

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



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Z-axis scan at max SAR location

FHT401S3BW / Body / Front / DSSS / 2412MHz

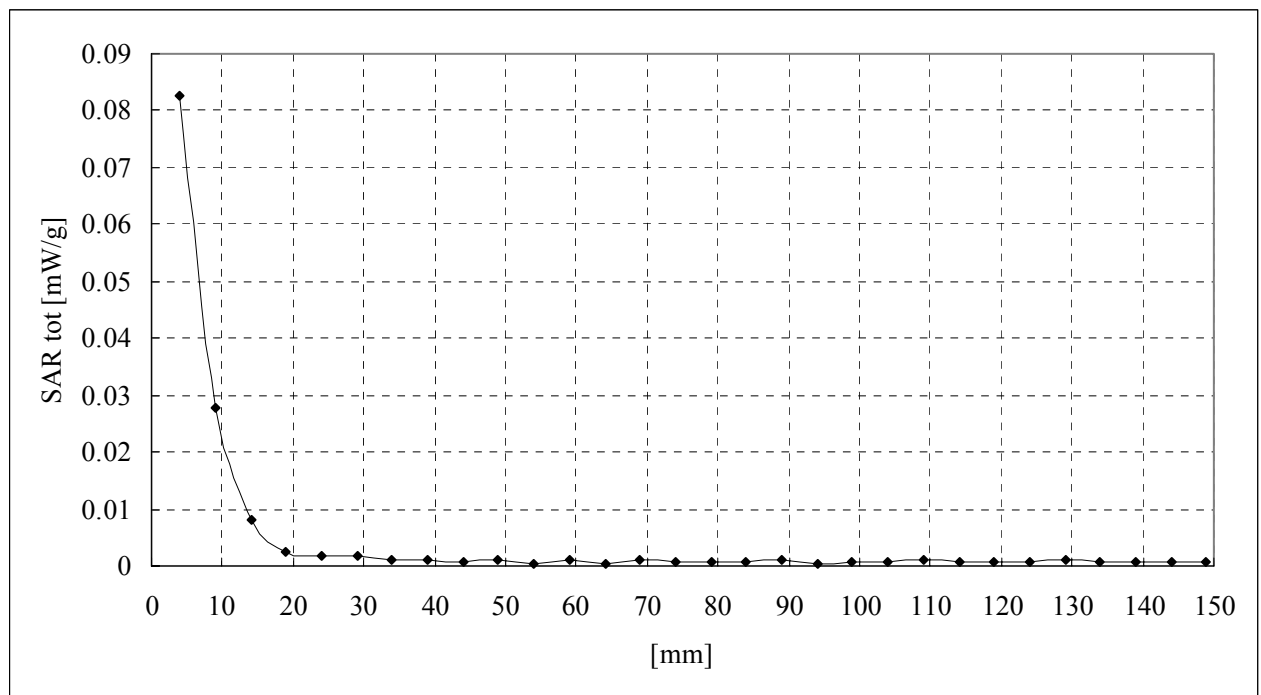
Crest factor: 1

Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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FHT401S3BW/ Body / Front / DSSS / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 50.6$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0322 mW/g

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

Peak SAR (extrapolated) = 0.12 W/kg

SAR(1 g) = 0.0251 mW/g; SAR(10 g) = 0.00852 mW/g

Maximum value of SAR = 0.0352 mW/g

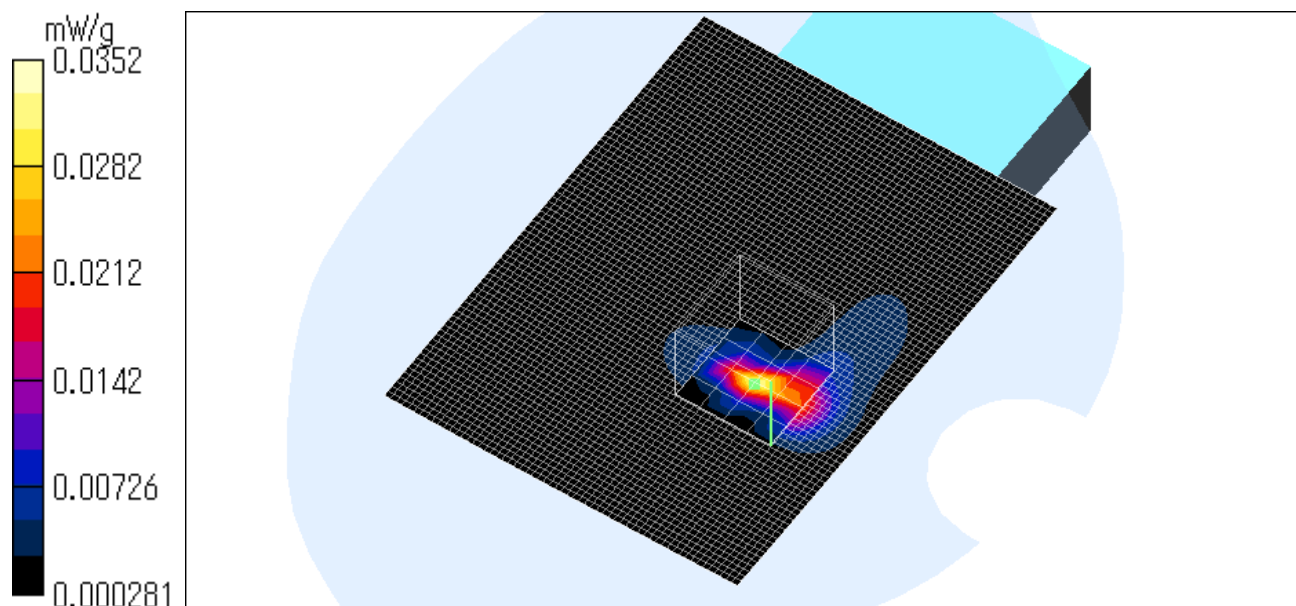
Reference Value = 0.967 V/m

Power Drift = -0.2 dB

Test Date = 08/03/04

Ambient Temperature = 24.5 degree.c

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



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APPENDIX 3 : Validation Measurement data

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

Crest factor: 1
Medium: HSL2450 ($\sigma = 1.84$ mho/m, $\epsilon_r = 37.3$, $\rho = 1000$ kg/m³)
Phantom section: Flat Section

Dipole 2450 MHz;
- Type: D2450V2; Serial: SN:713

DASY4 Configuration:
- Probe: ET3DV6 - SN1685; ConvF(4.7, 4.7, 4.7); Calibrated: 2003/10/10
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR = 15 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 28.6 W/kg
SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.26 mW/g
Maximum value of SAR = 14.7 mW/g

Reference Value = 92.6 V/m
Power Drift = 0.04 dB

Test Date = 08/03/04
Ambient Temperature = 24.0 degree.C
Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C

