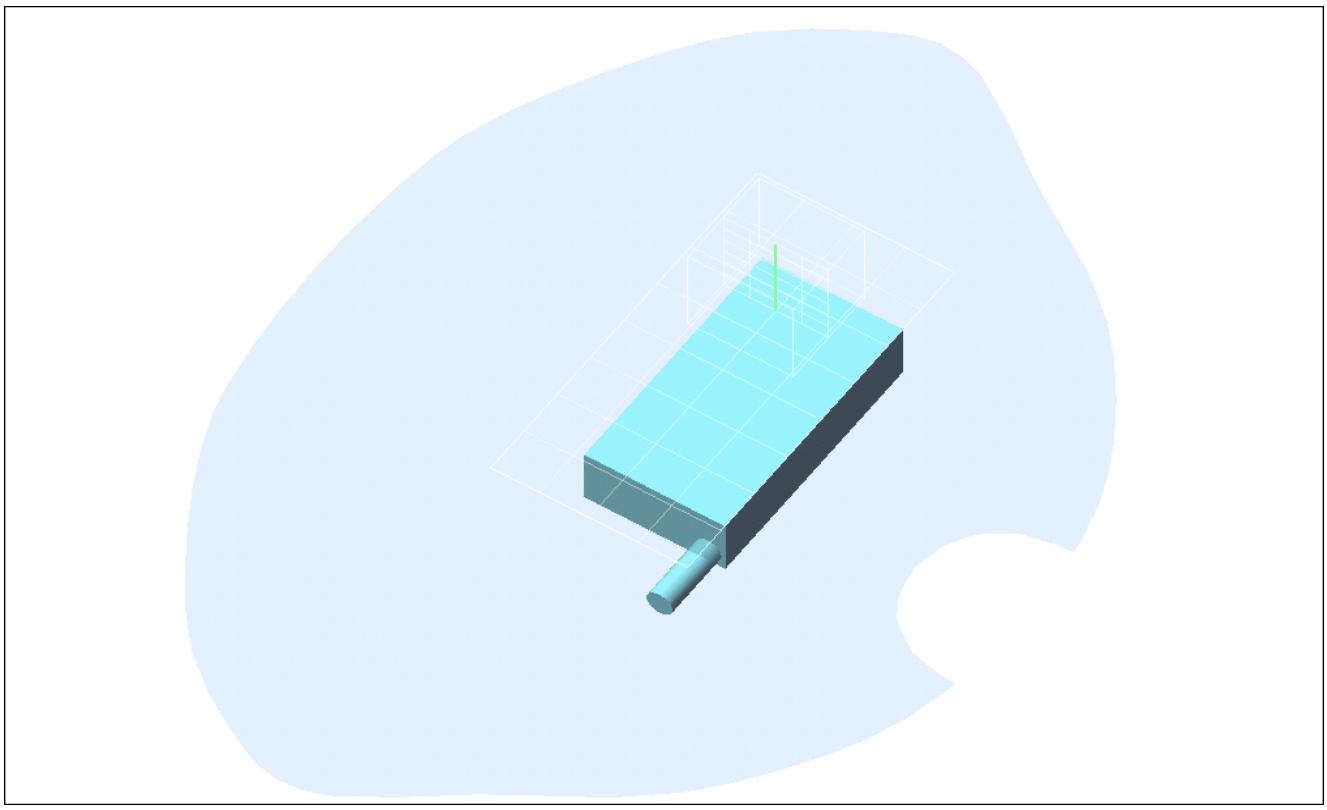
Date/Time: 10/15/03 13:50:26

Test Laboratory: Compliance Certification Services Inc.
File Name: Body V5E PCS Ch512.da4

Flat



Date/Time: 10/15/03 13:50:26

Test Laboratory: Compliance Certification Services Inc.
File Name: Body V5E PCS Ch512.da4

Body V5E PCS Ch512

DUT: V5E; Type: PCS 1900MHz; Serial: 350421030000600
Program: SAR-00002

Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: HSL_1900MHz (σ = 1.57945 mho/m, ε_r = 51.5693, ρ = 1000 kg/m^3)
Air Temperature 26.0 deg C ; Liquid Temperature 24.5 deg C
Phantom section: Flat Section

DASY4 Configuration:

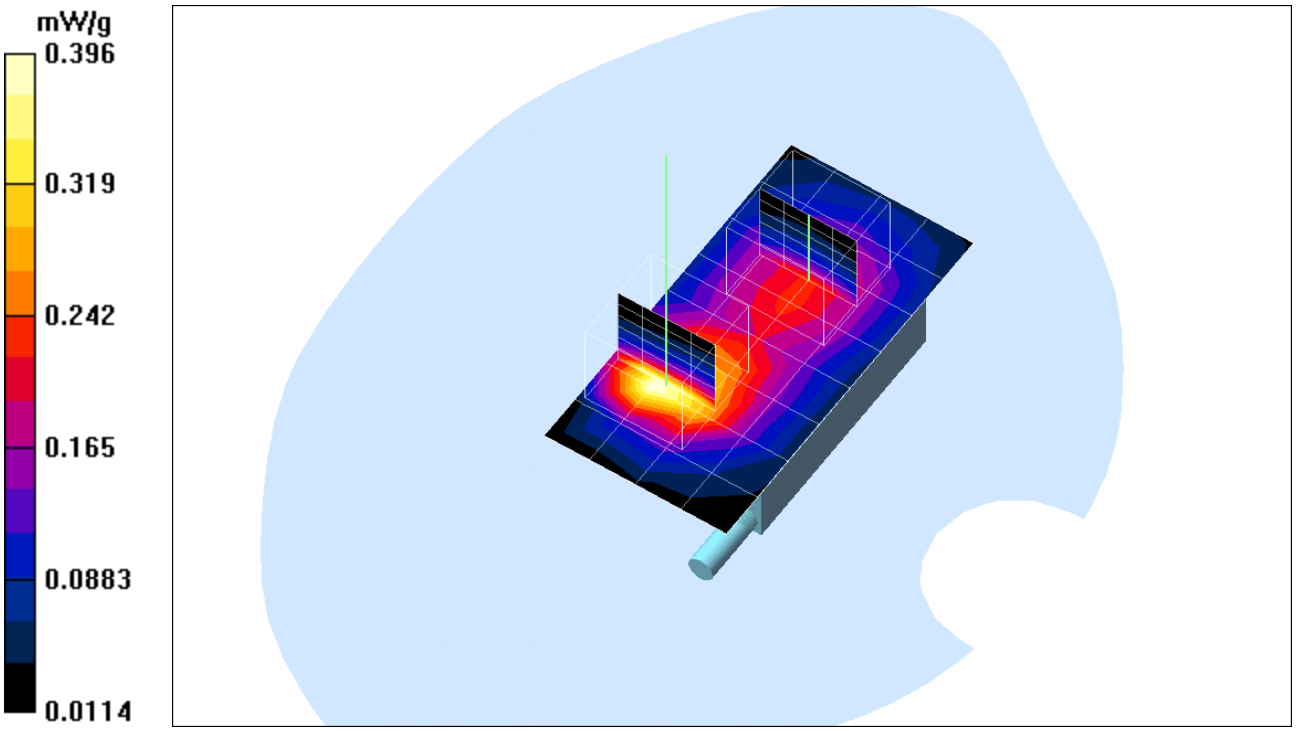
- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
  Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

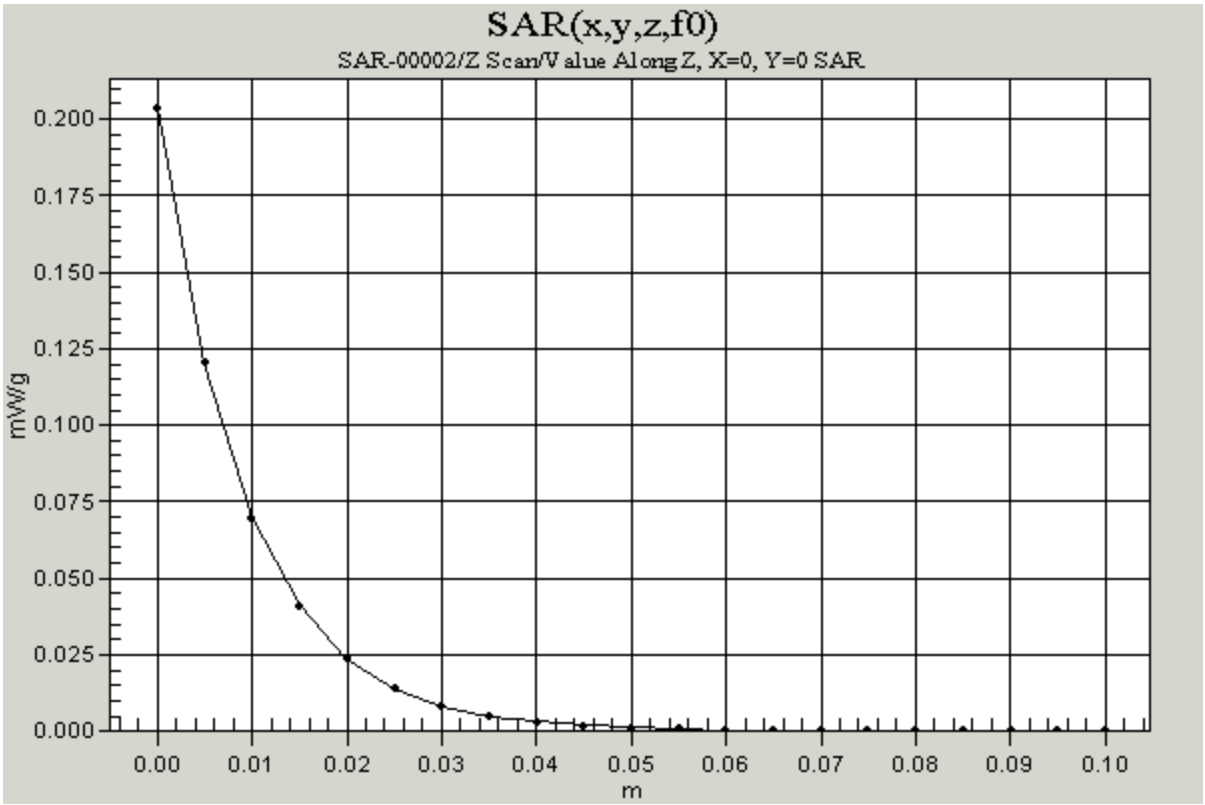
Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 15.3 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.396 mW/g

Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Reference Value = 15.3 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.204 mW/g

Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.786 W/kg
SAR(1 g) = 0.39 mW/g; SAR(10 g) = 0.215 mW/g
Reference Value = 15.3 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.407 mW/g

Body/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.33 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.149 mW/g
Reference Value = 15.3 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.244 mW/g


mW/g
0.396
0.319
0.242
0.165
0.0883
0.0114


SAR(x,y,z,f0)
SAR-00002/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 10/15/03 14:05:08

Test Laboratory: Compliance Certification Services Inc.
File Name: Body V5E PCS Ch661.da4

Body V5E PCS Ch661

DUT: V5E; Type: PCS 1900MHz; Serial: 350421030000600
Program: SAR-00002

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium: HSL_1900MHz (σ = 1.57945 mho/m, ε_r = 51.5693, ρ = 1000 kg/m^3)
Air Temperature 26.0 deg C ; Liquid Temperature 24.5 deg C
Phantom section: Flat Section

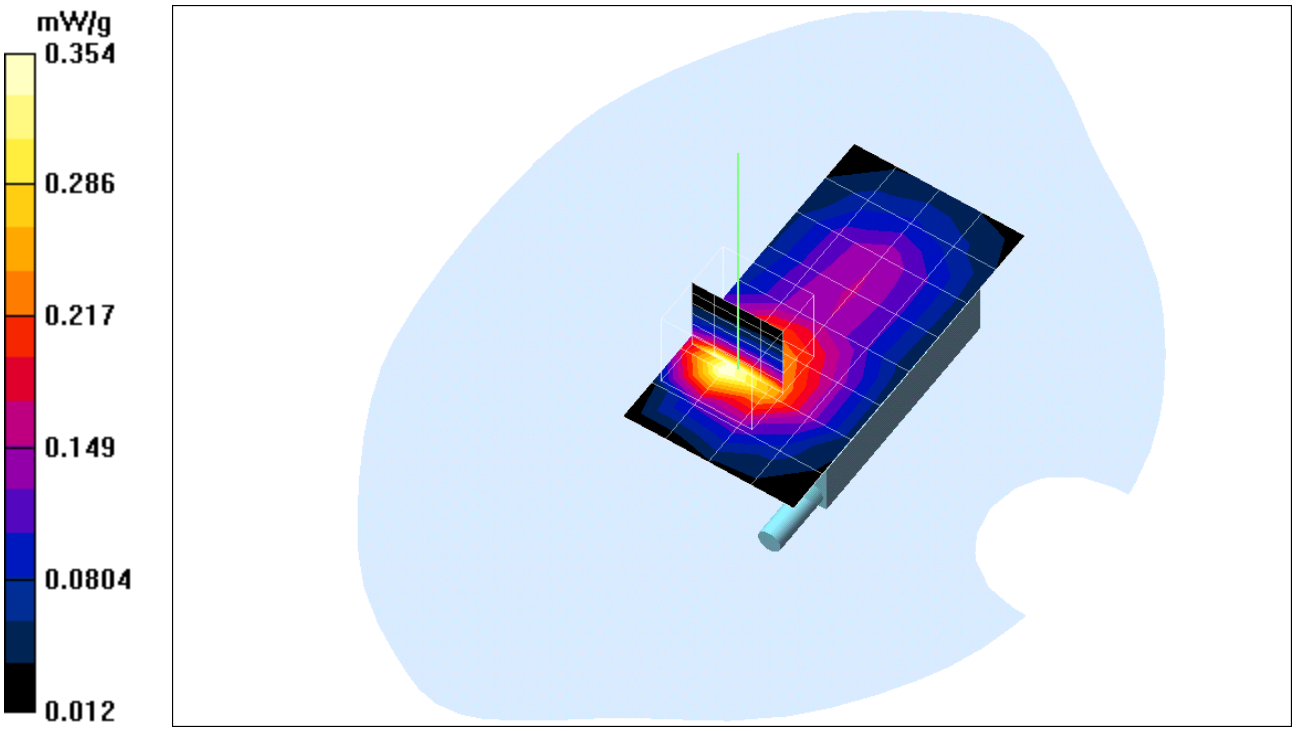
DASY4 Configuration:

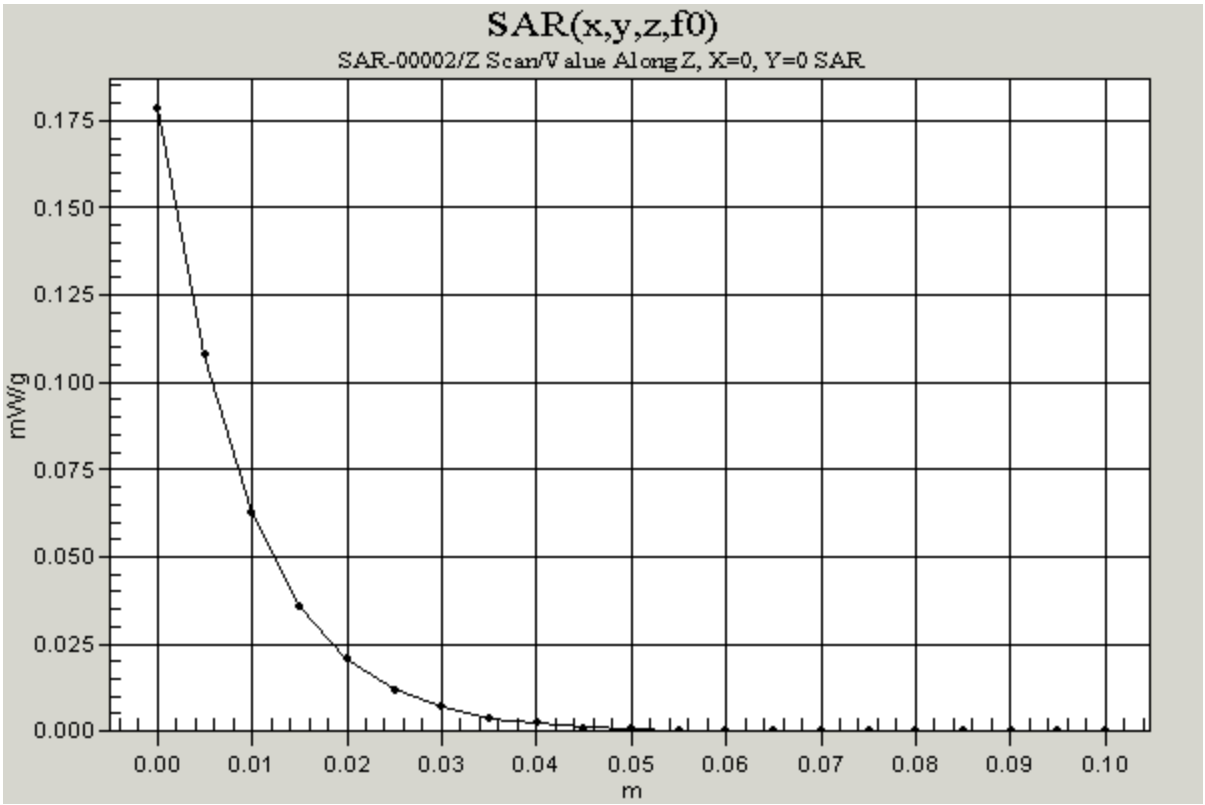
- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
  Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 14.3 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.354 mW/g

Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Reference Value = 14.3 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.179 mW/g

Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.704 W/kg
SAR(1 g) = 0.35 mW/g; SAR(10 g) = 0.19 mW/g
Reference Value = 14.3 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.358 mW/g


mW/g
0.354
0.286
0.217
0.149
0.0804
0.012


SAR(x,y,z,f0)
SAR-00002/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 10/15/03 14:19:36

Test Laboratory: Compliance Certification Services Inc.
File Name: Body V5E PCS Ch810.da4

Body V5E PCS Ch810

DUT: V5E; Type: PCS 1900MHz; Serial: 350421030000600
Program: SAR-00002

Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8
Medium: HSL_1900MHz (σ = 1.57945 mho/m, ε_r = 51.5693, ρ = 1000 kg/m^3)
Air Temperature 26.0 deg C ; Liquid Temperature 24.5 deg C
Phantom section: Flat Section

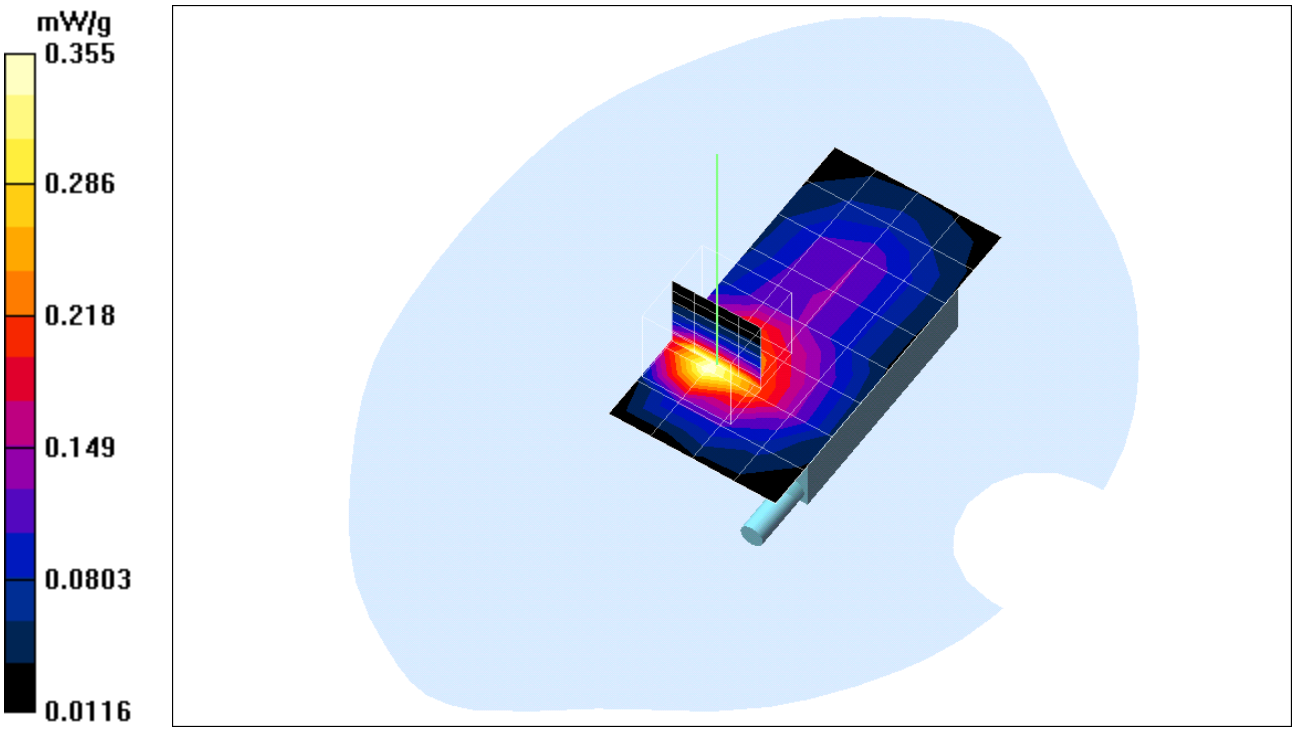
DASY4 Configuration:

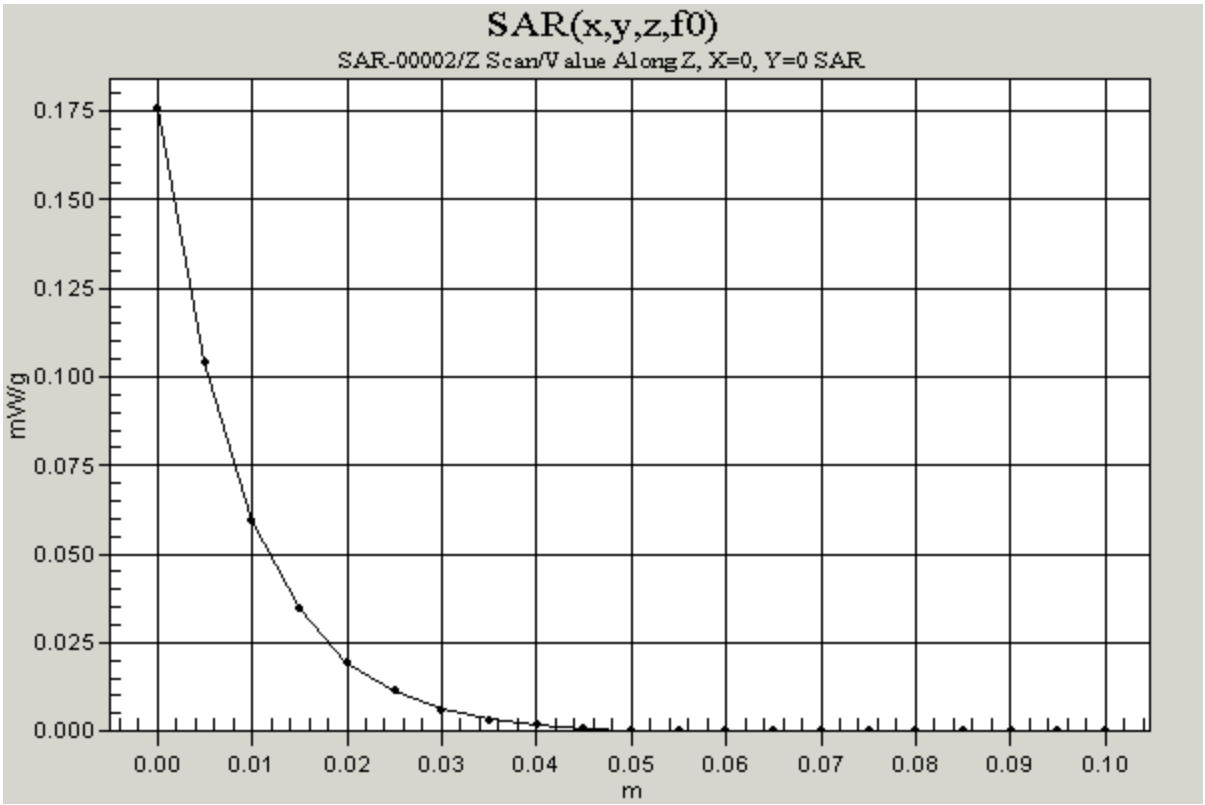
- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
  Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.4 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.355 mW/g

Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Reference Value = 13.4 V/m
Power Drift = 0.06 dB
Maximum value of SAR = 0.176 mW/g

Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.705 W/kg
SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.184 mW/g
Reference Value = 13.4 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.355 mW/g


mW/g
0.355
0.286
0.218
0.149
0.0803
0.0116


SAR(x,y,z,f0)
SAR-00002/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 10/14/03 15:48:58

Test Laboratory: Compliance Certification Services Inc.
File Name: Body V5E GPRS Ch512-1.da4

Body V5E GPRS Ch512-1

DUT: V5E; Type: PCS 1900MHz; Serial: 350421030000600
Program: SAR-00002

Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: HSL_1900MHz (σ = 1.56945 mho/m, ε_r = 51.5793, ρ = 1000 kg/m^3)
Air Temperature 26.0 deg C ; Liquid Temperature 24.5 deg C
Phantom section: Flat Section

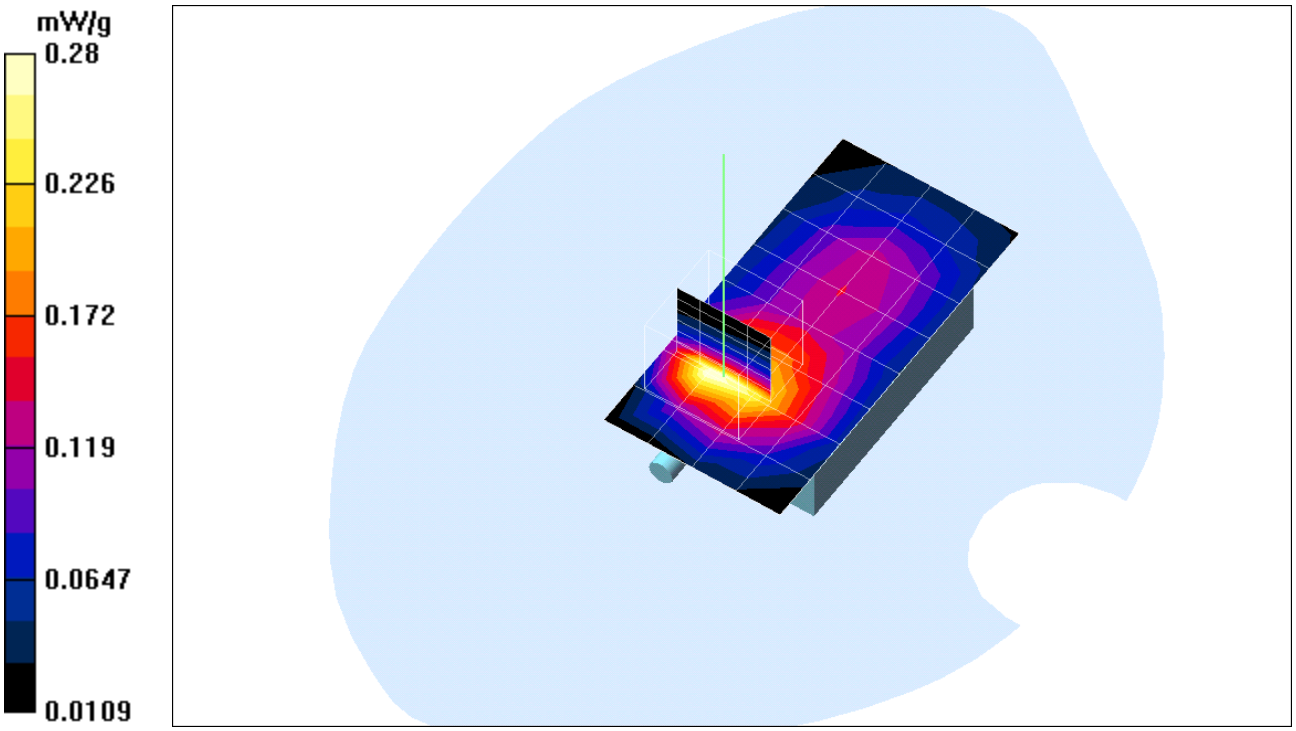
DASY4 Configuration:

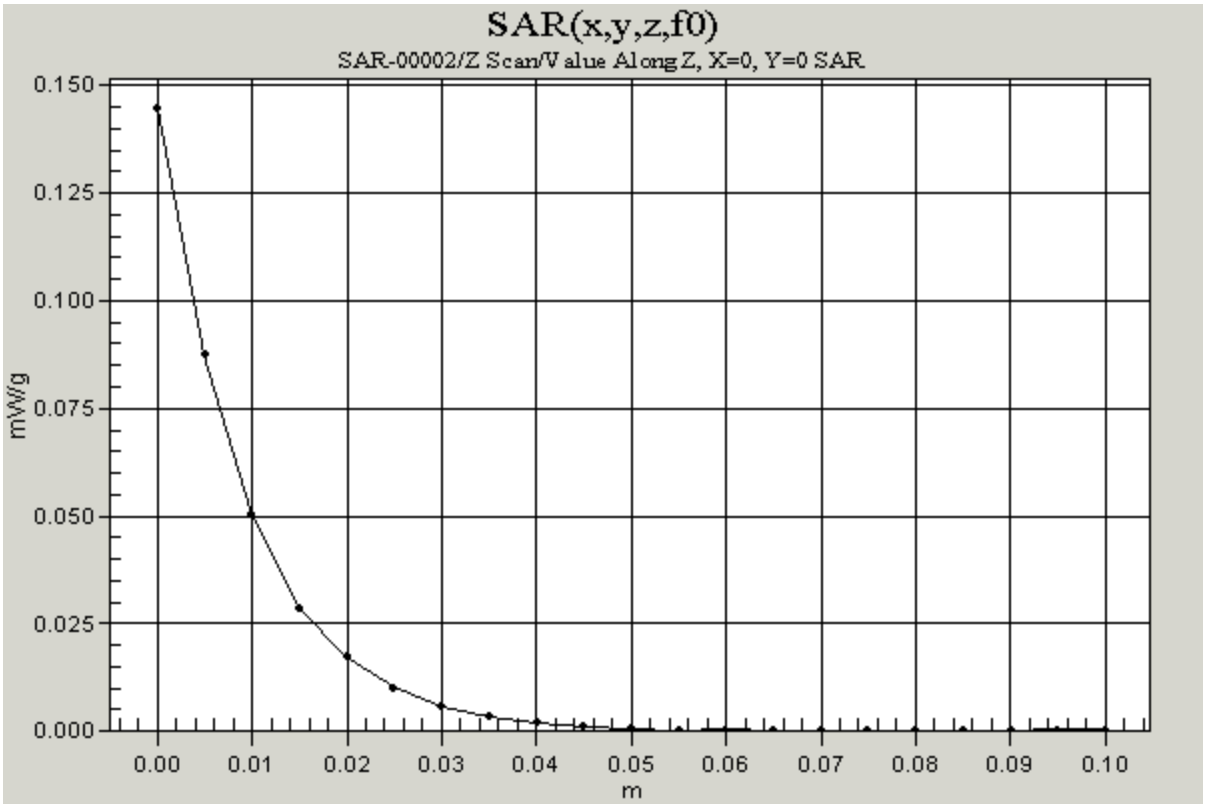
- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
  Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.28 mW/g

Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Reference Value = 13 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.145 mW/g

Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.493 W/kg
SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.151 mW/g
Reference Value = 13 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.289 mW/g


mW/g
0.28
0.226
0.172
0.119
0.0647
0.0109


SAR(x,y,z,f0)
SAR-00002/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 10/14/03 15:34:08

Test Laboratory: Compliance Certification Services Inc.
File Name: Body V5E GPRS Ch661.da4

Body V5E GPRS Ch661

DUT: V5E; Type: PCS 1900MHz; Serial: 350421030000600
Program: SAR-00002

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium: HSL_1900MHz (σ = 1.56945 mho/m, ε_r = 51.5793, ρ = 1000 kg/m^3)
Air Temperature 26.0 deg C ; Liquid Temperature 24.5 deg C
Phantom section: Flat Section

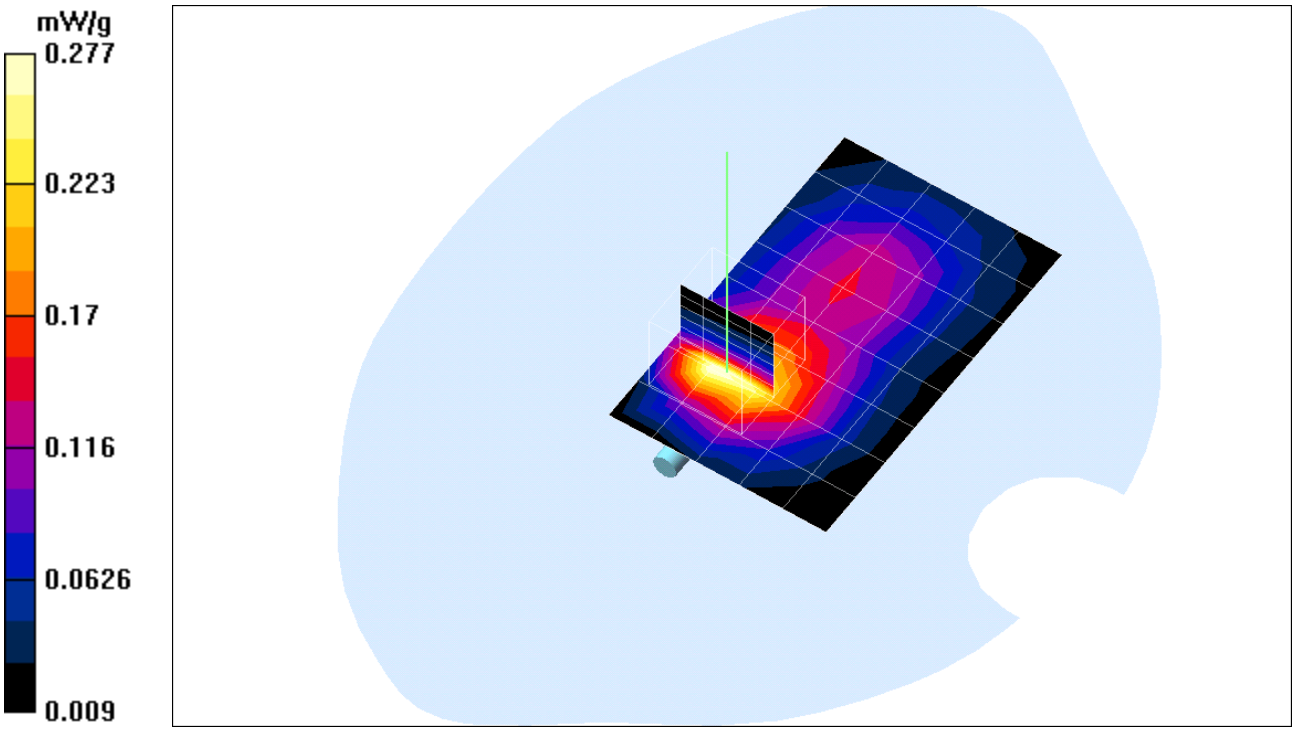
DASY4 Configuration:

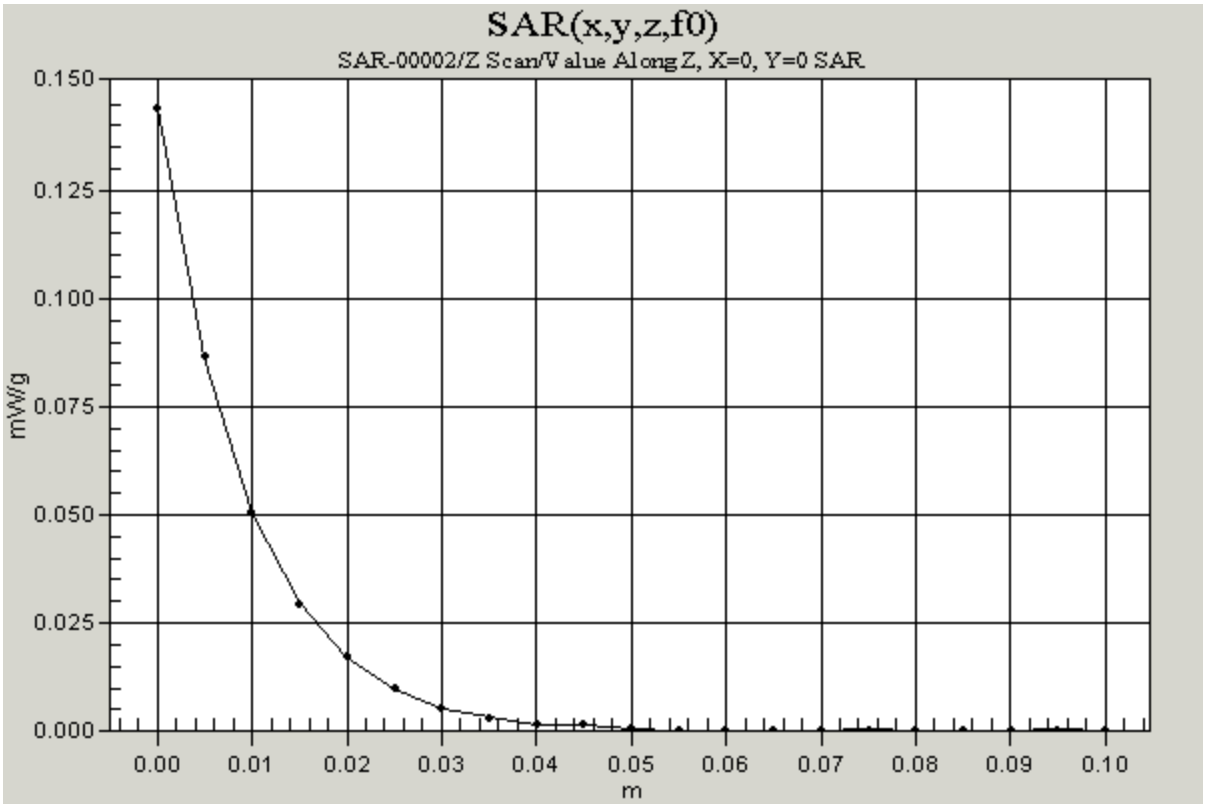
- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
  Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.2 V/m
Power Drift = 0.04 dB
Maximum value of SAR = 0.277 mW/g

Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Reference Value = 13.2 V/m
Power Drift = 0.06 dB
Maximum value of SAR = 0.144 mW/g

Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.151 mW/g
Reference Value = 13.2 V/m
Power Drift = 0.04 dB
Maximum value of SAR = 0.286 mW/g


mW/g
0.277
0.223
0.17
0.116
0.0626
0.009


SAR(x,y,z,f0)
SAR-00002/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 10/14/03 16:08:00

Test Laboratory: Compliance Certification Services Inc.
File Name: Body V5E GPRS Ch810.da4

Body V5E GPRS Ch810

DUT: V5E; Type: PCS 1900MHz; Serial: 350421030000600
Program: SAR-00002

Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8
Medium: HSL_1900MHz (σ = 1.56945 mho/m, ε_r = 51.5793, ρ = 1000 kg/m^3)
Air Temperature 26.0 deg C ; Liquid Temperature 24.5 deg C
Phantom section: Flat Section

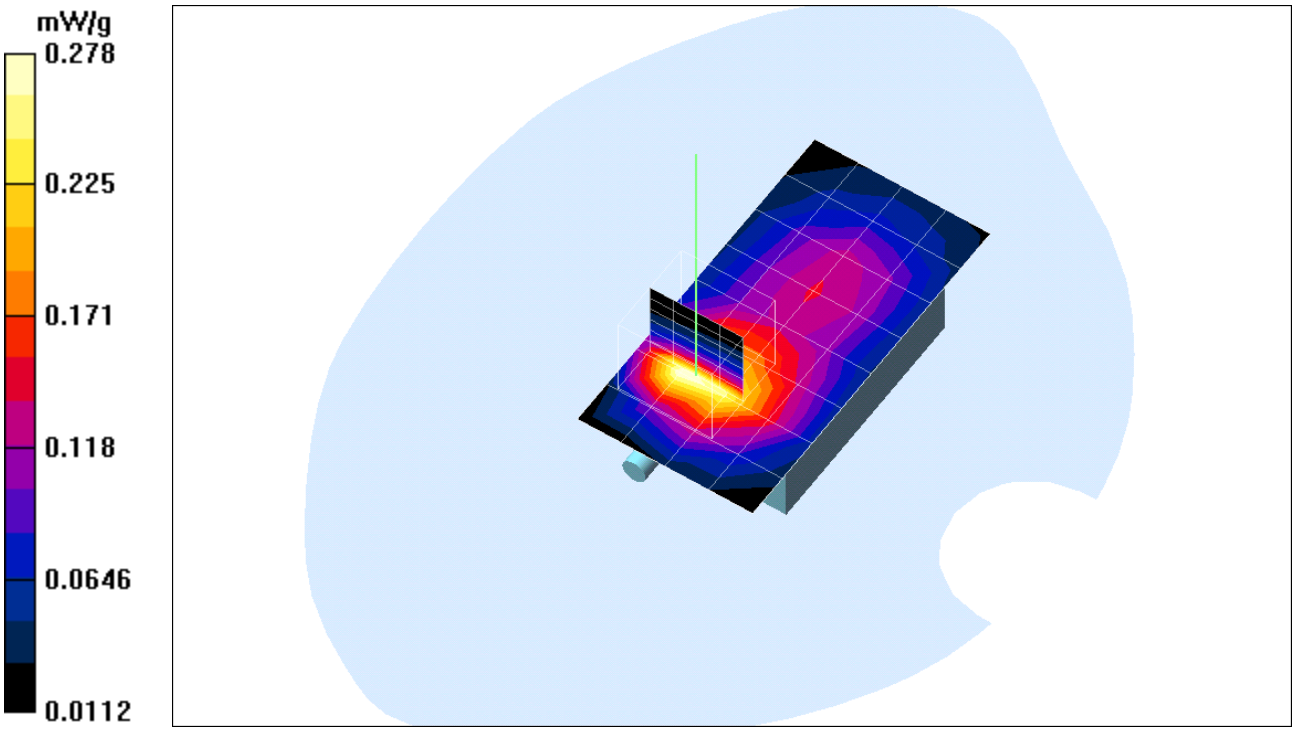
DASY4 Configuration:

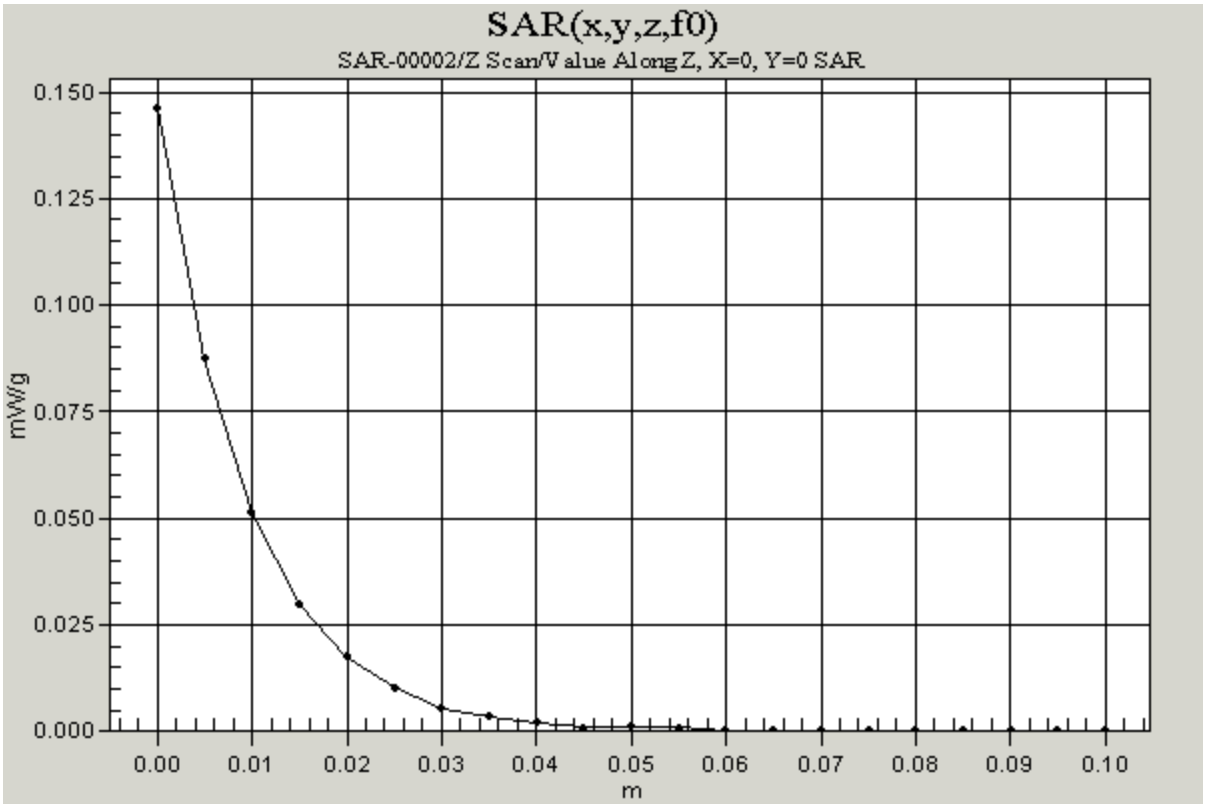
- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
  Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.3 V/m
Power Drift = 0.01 dB
Maximum value of SAR = 0.278 mW/g

Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Reference Value = 13.3 V/m
Power Drift = 0.01 dB
Maximum value of SAR = 0.146 mW/g

Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.151 mW/g
Reference Value = 13.3 V/m
Power Drift = 0.01 dB
Maximum value of SAR = 0.275 mW/g


mW/g
0.278
0.225
0.171
0.118
0.0646
0.0112


SAR(x,y,z,f0)
SAR-00002/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m