

Test Laboratory: Compliance Certification Services Inc.

gsm1900-right

DUT: GSM 900/1800/1900 + GPRS Handset; Type: EB- X300,RA1; Serial: 35360800950004/0

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Air Temperature: 25.1 deg C; Liquid Temperature: 24.1 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

mid/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.307 mW/g

mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.326 mW/g

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.155 mW/g

mid/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.261 mW/g

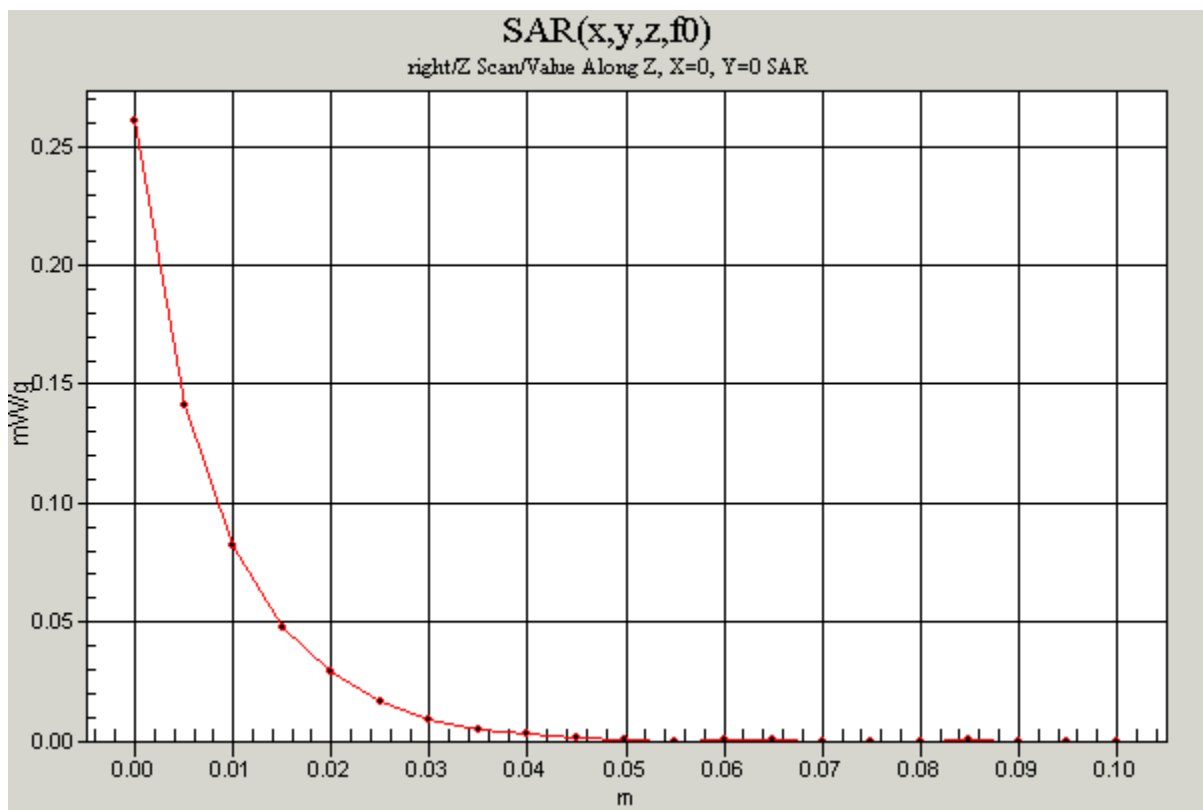
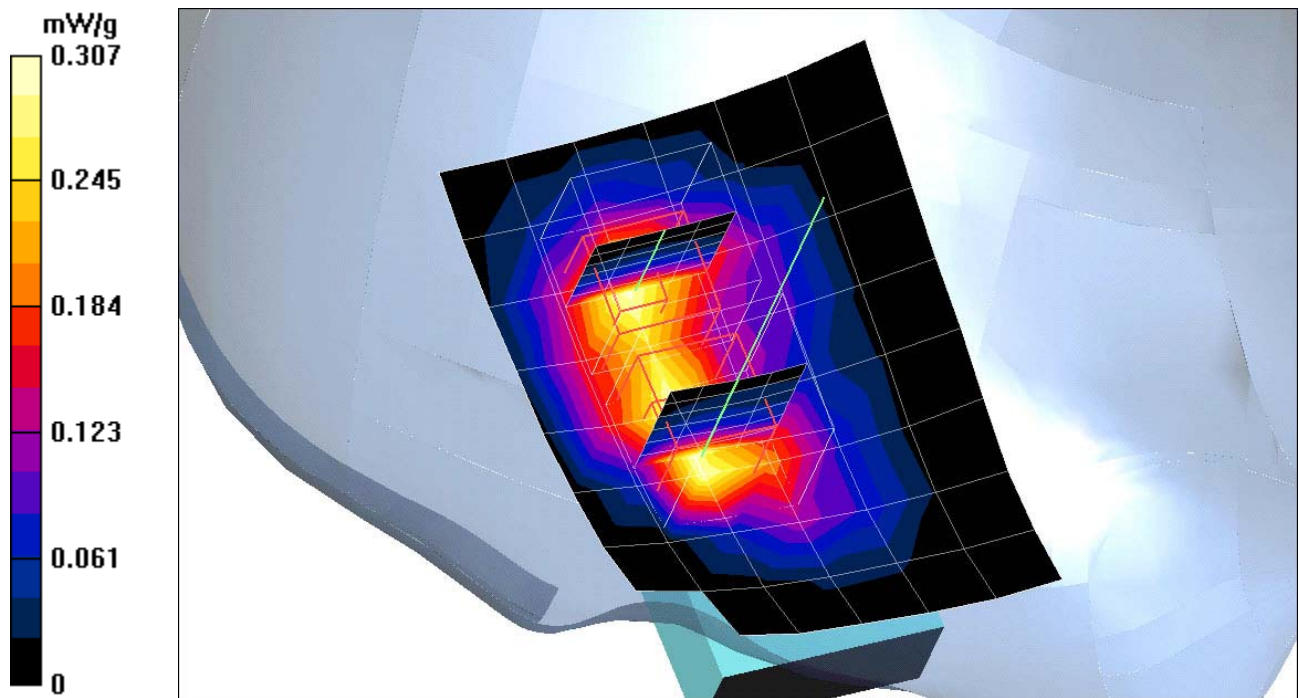
mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.291 mW/g

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.143 mW/g



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Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Air Temperature: 25.1 deg C; Liquid Temperature: 24.1 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

high/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.273 mW/g

high/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.241 mW/g

high/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.289 mW/g

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.134 mW/g

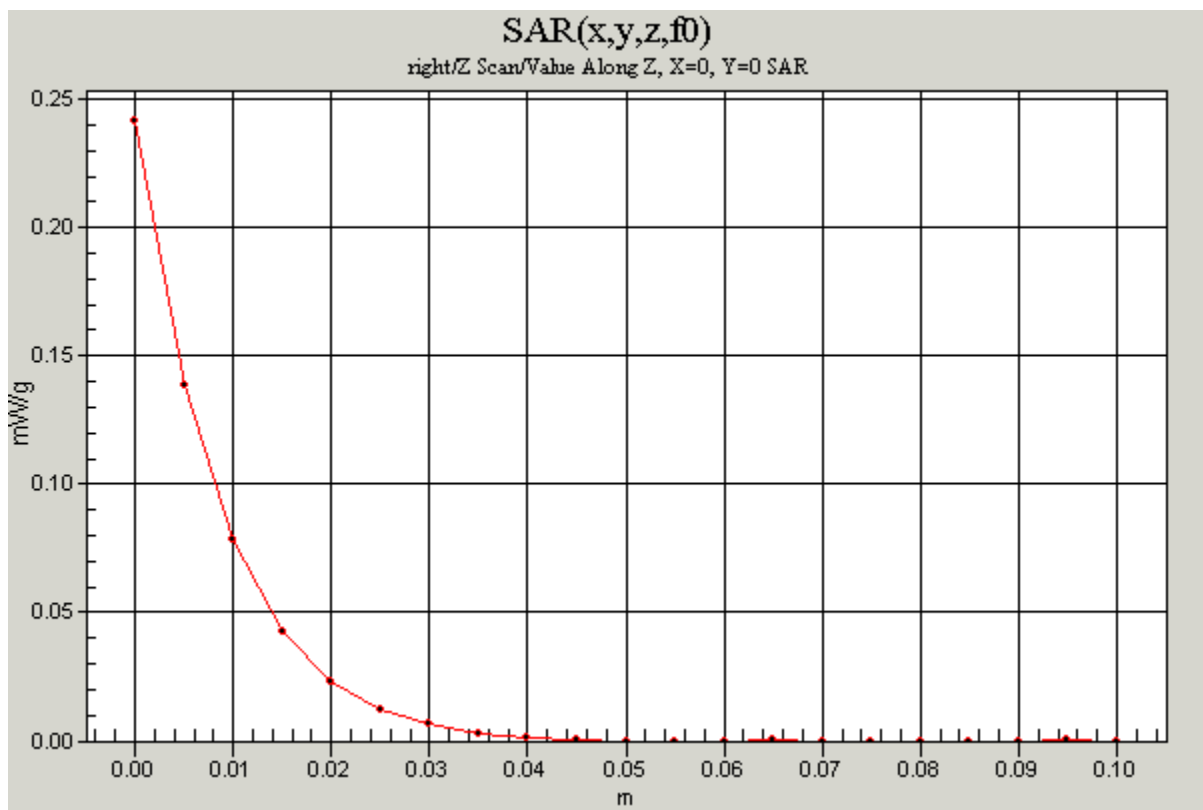
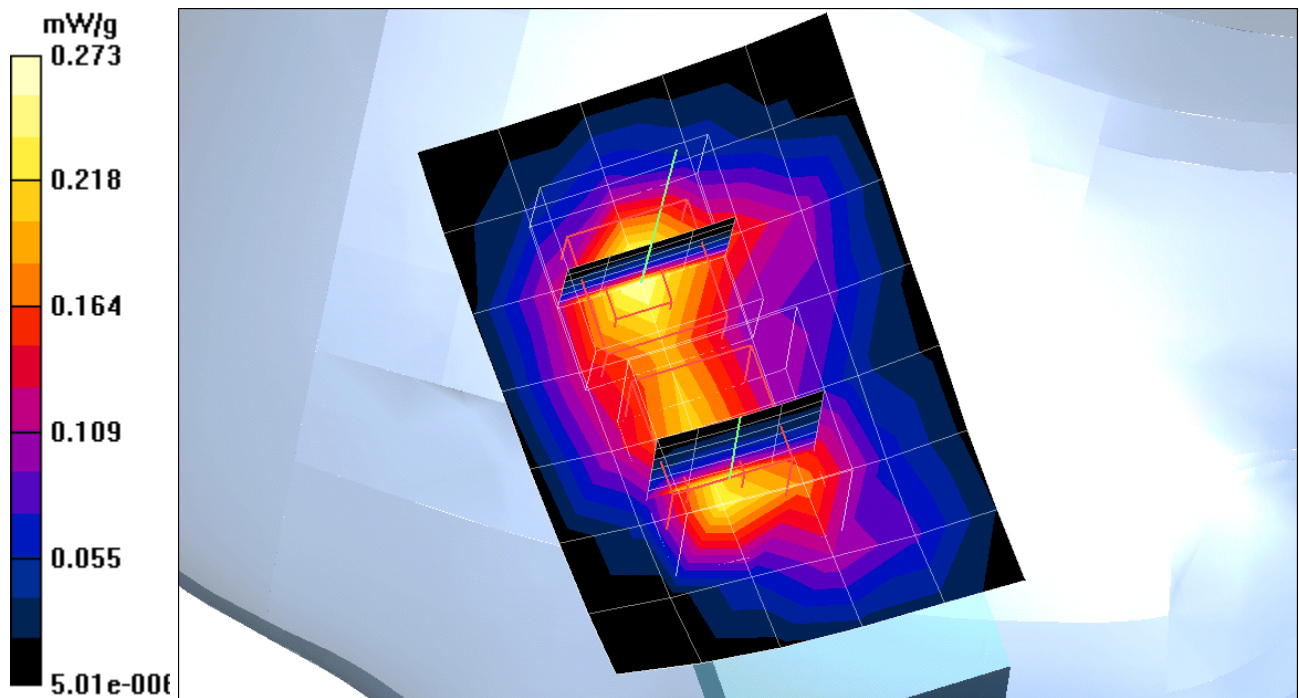
high/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.269 mW/g

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.128 mW/g



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DUT: GSM 900/1800/1900 + GPRS Handset; Type: EB- X300,RA1; Serial: 35360800950004/0

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Air Temperature: 25.1 deg C; Liquid Temperature: 24.1 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

tilte low/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.5 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.238 mW/g

tilte low/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.241 mW/g

tilte low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.294 mW/g

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.107 mW/g

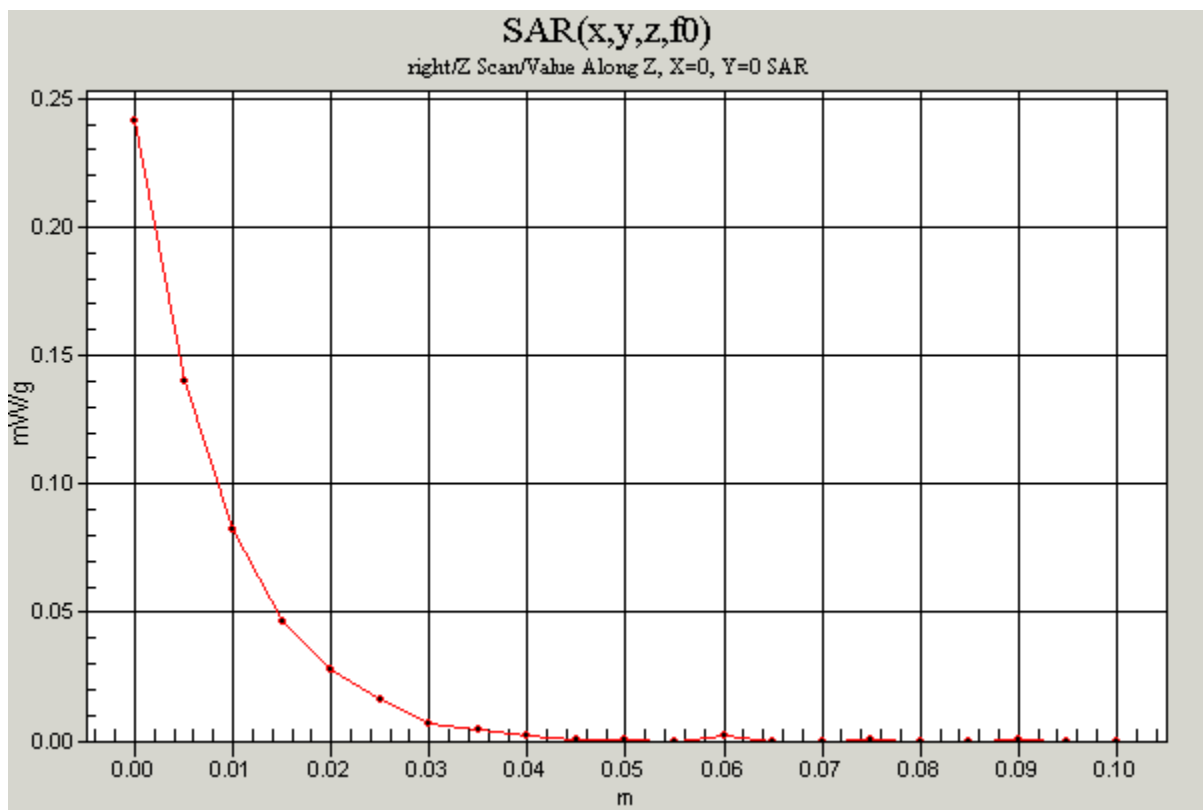
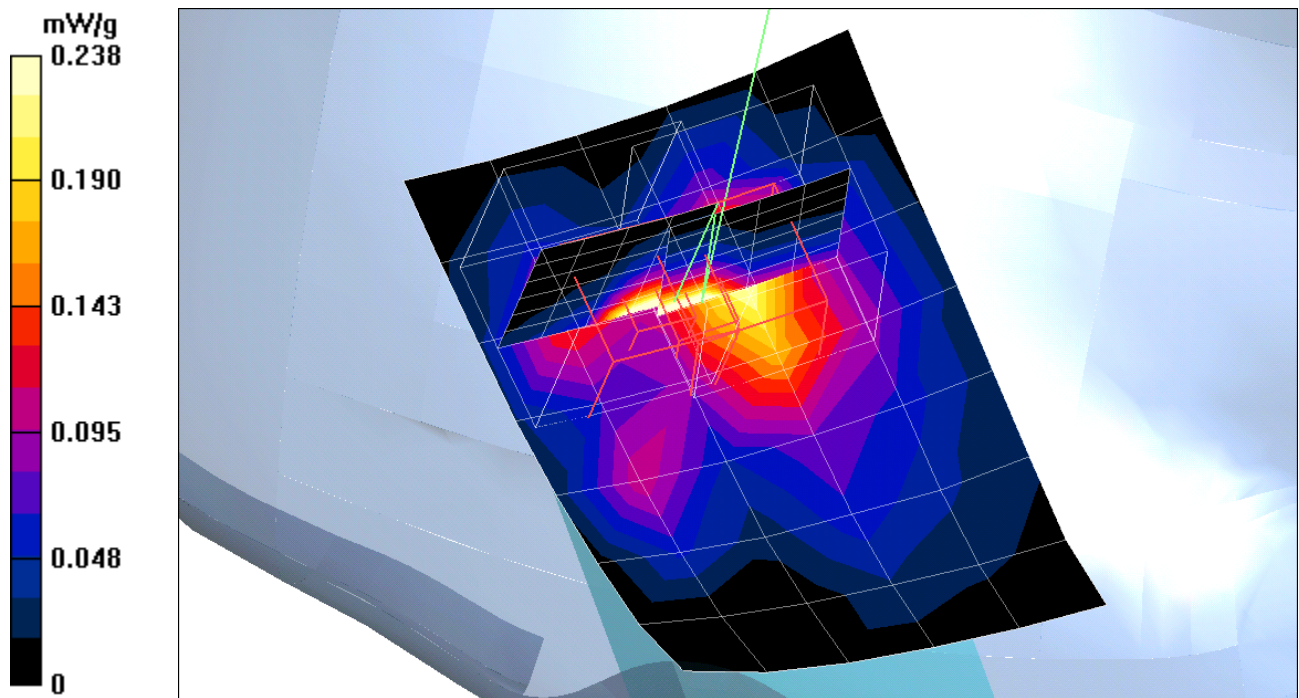
tilte low/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.297 mW/g

Peak SAR (extrapolated) = 0.496 W/kg

SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.114 mW/g



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Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Air Temperature: 25.1 deg C; Liquid Temperature: 24.1 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

tilte mid/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.245 mW/g

tilte mid/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.0 dB

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

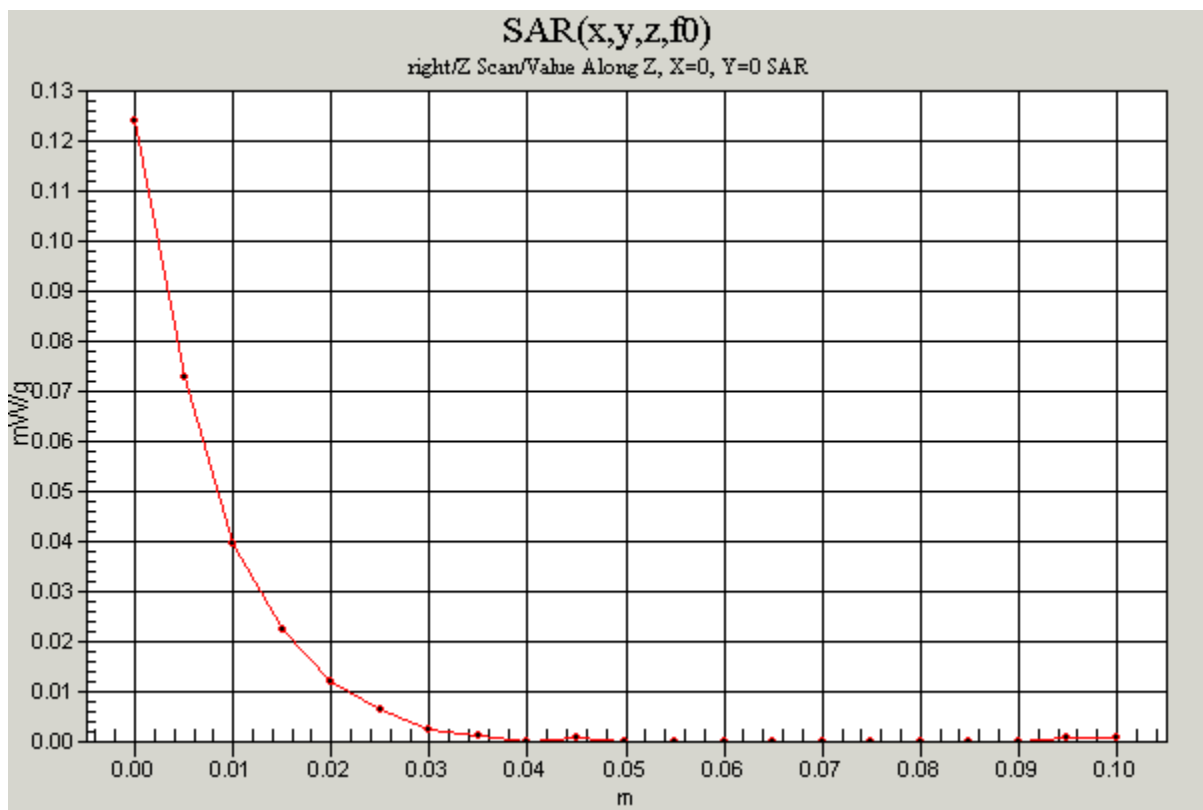
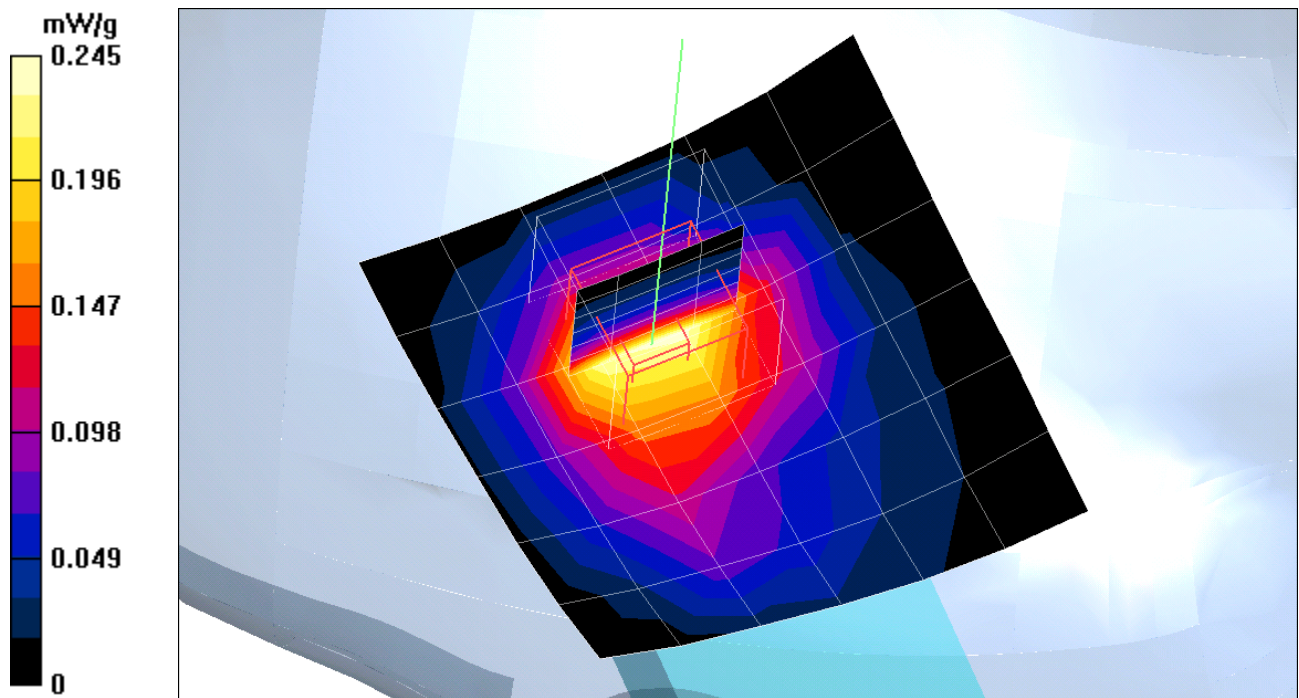
tilte mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.254 mW/g

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.132 mW/g



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Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Air Temperature: 25.1 deg C; Liquid Temperature: 24.1 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

tilte high/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.8 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.227 mW/g

tilte high/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.002 dB

Maximum value of SAR (measured) = 0.191 mW/g

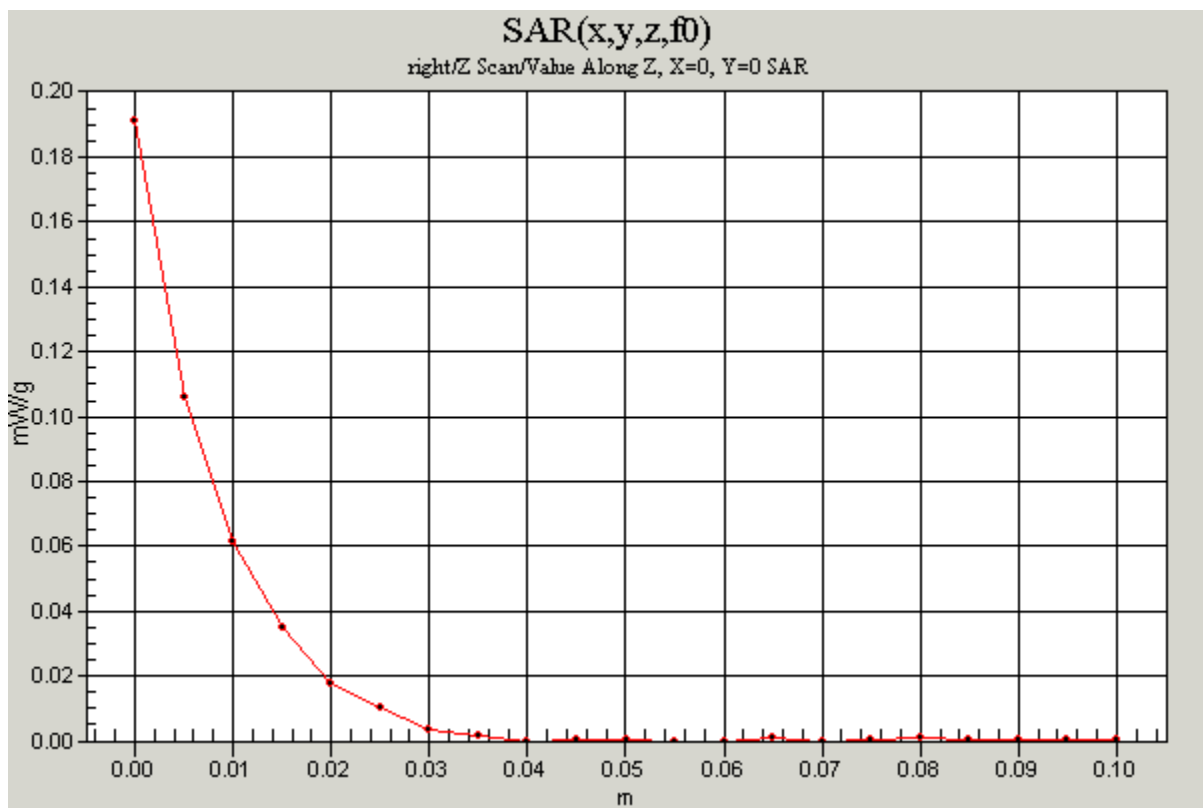
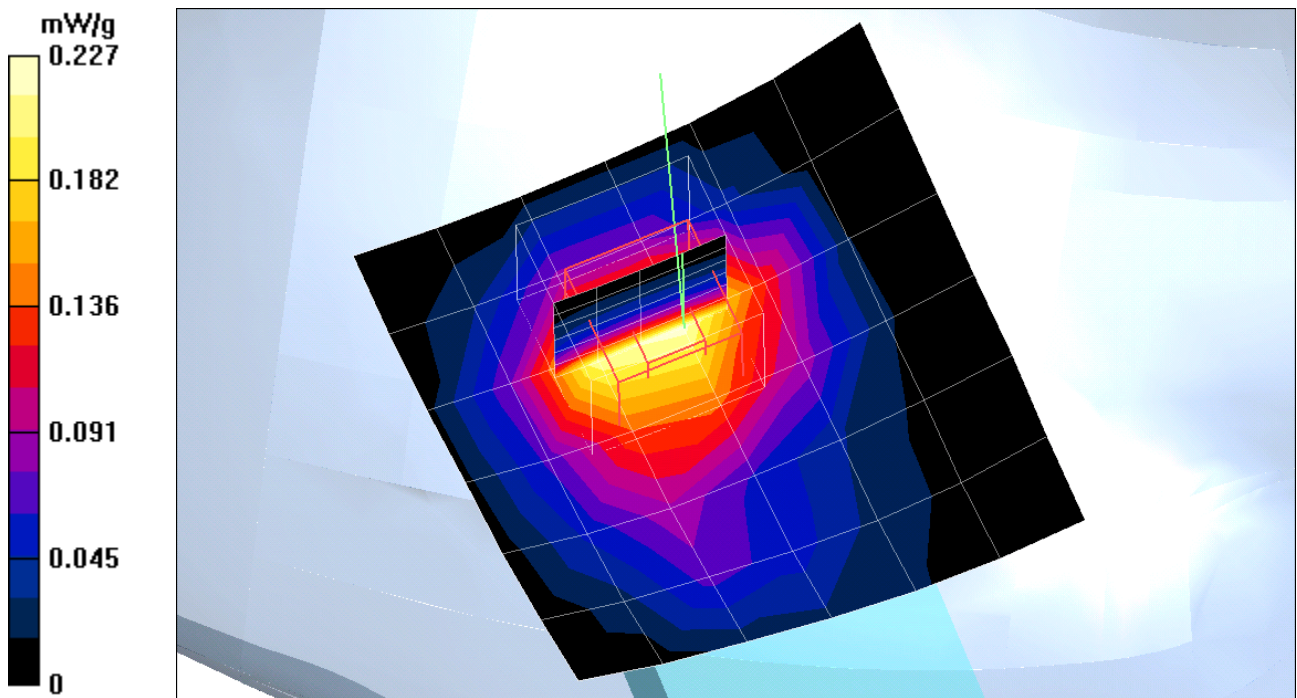
tilte high/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.231 mW/g

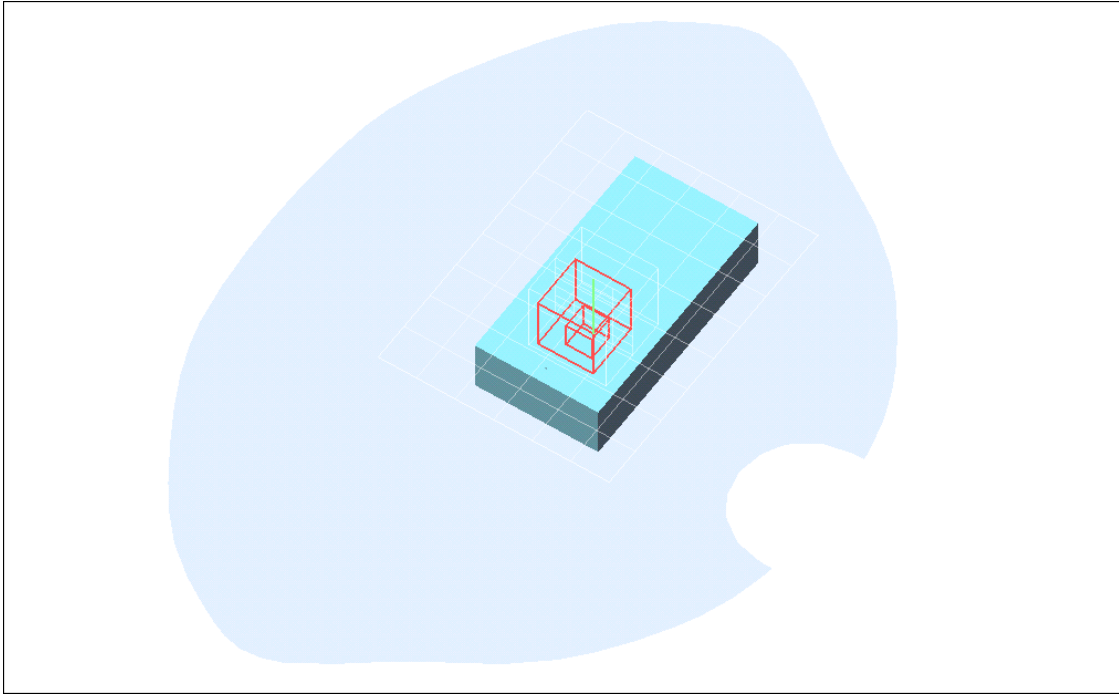
Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.123 mW/g



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Flat



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gprs 1900-FLAT-Class8-2

DUT: GSM 900/1800/1900 + GPRS Handset; Type: EB- X300,RA1; Serial: 35360800950004/0

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Air Temperature: 24.3 deg C; Liquid Temperature: 23.2 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.5, 4.5, 4.5); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm 512/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.2 V/m; Power Drift = 0.007 dB

Maximum value of SAR (measured) = 0.297 mW/g

15mm 512/Z Scan (1x1x21): Measurement grid dx=20mm, dy=20mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.005 dB

Maximum value of SAR (measured) = 0.290 mW/g

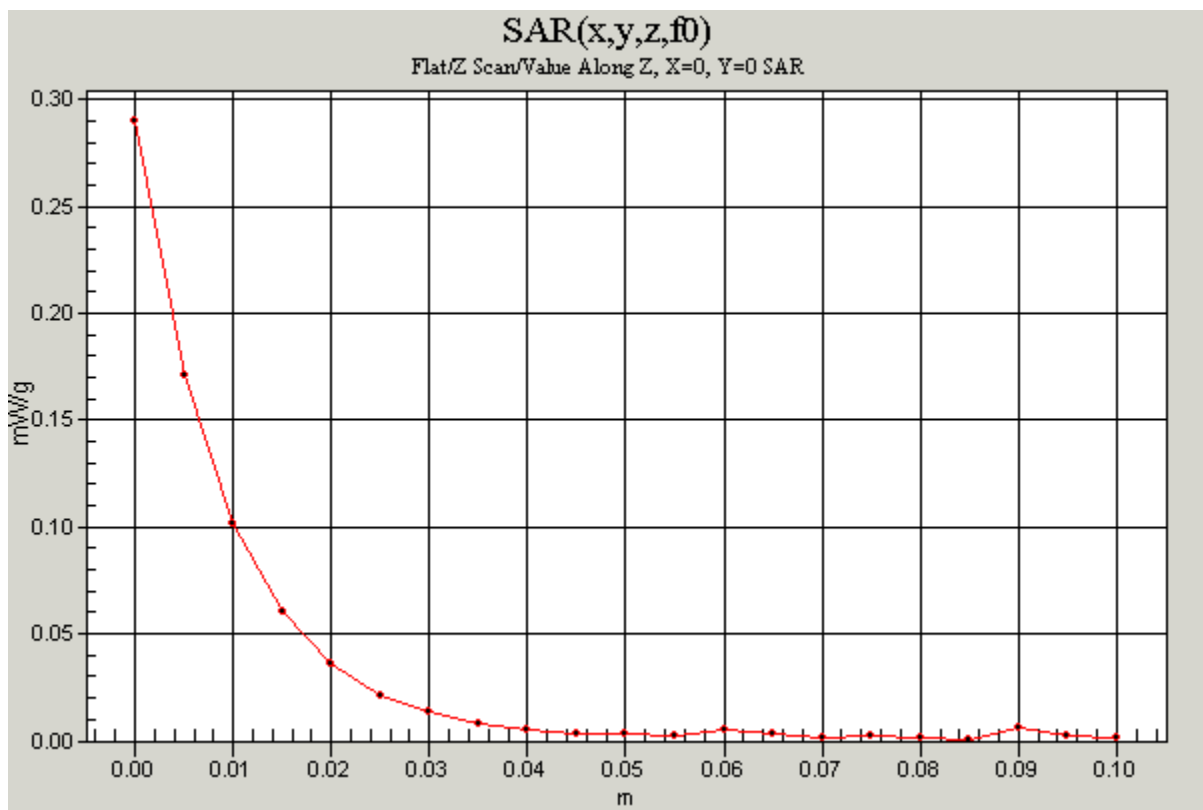
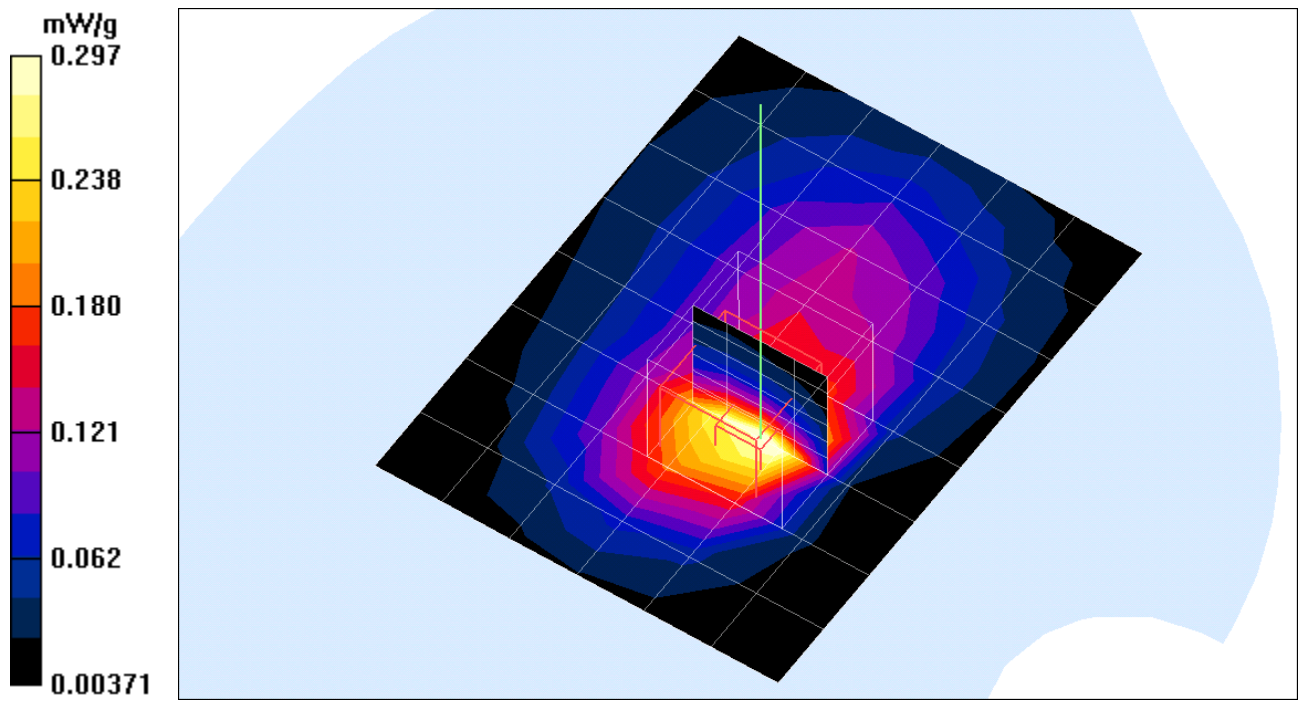
15mm 512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.007 dB

Maximum value of SAR (measured) = 0.346 mW/g

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = **0.305** mW/g; SAR(10 g) = **0.167** mW/g



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gprs 1900-FLAT-Class8-2

DUT: GSM 900/1800/1900 + GPRS Handset; Type: EB- X300,RA1; Serial: 35360800950004/0

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Air Temperature:24.3 deg C;Liquid Temperature:23.2 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.5, 4.5, 4.5); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm 661/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.62 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.233 mW/g

15mm 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 9.62 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.191 mW/g

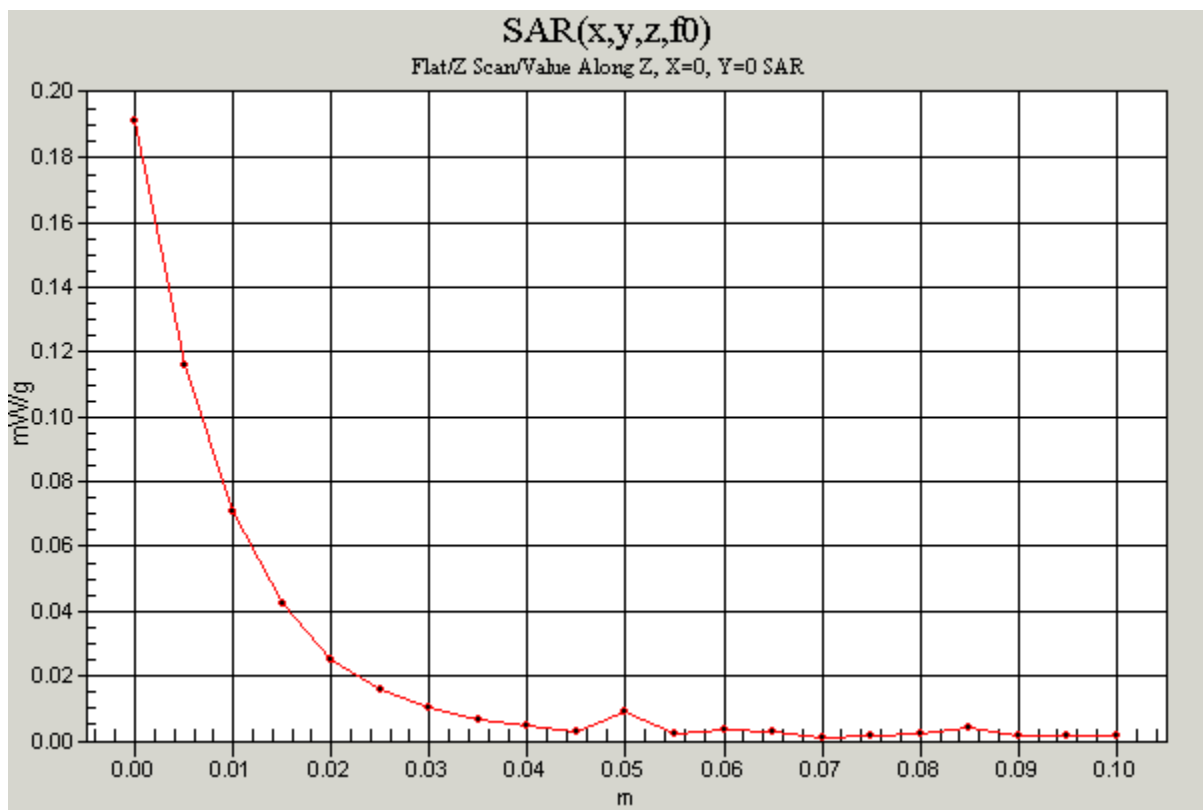
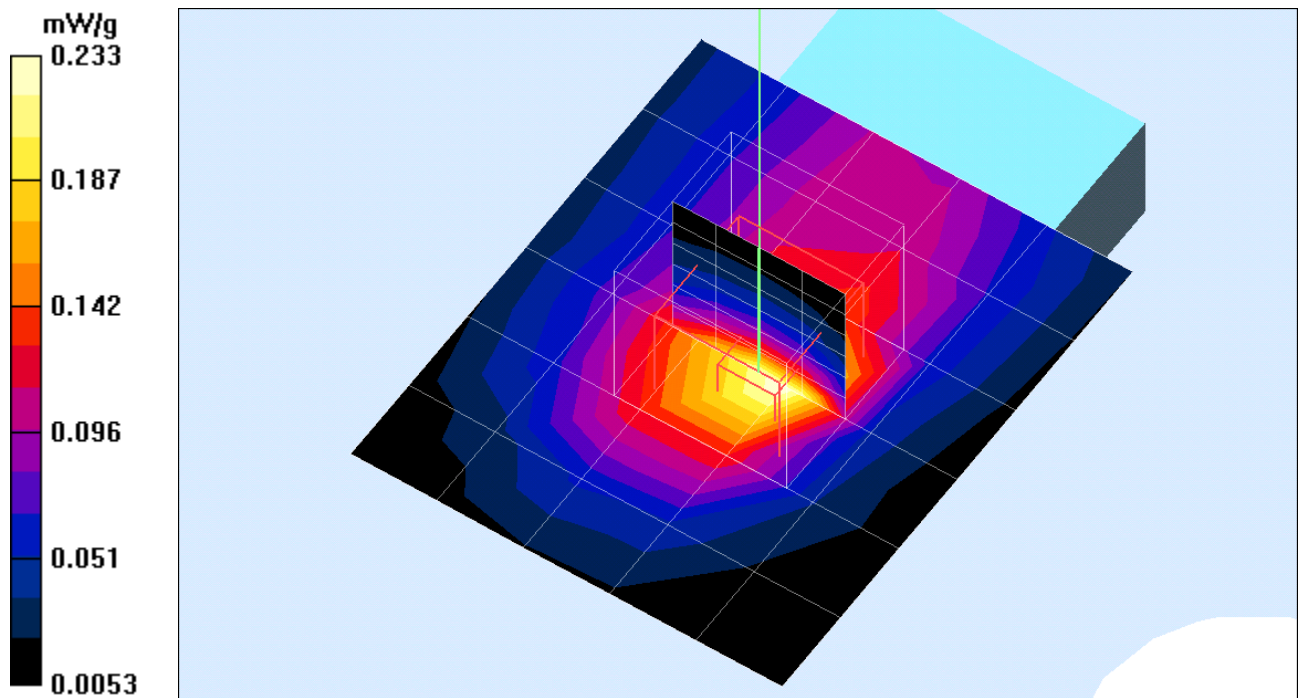
15mm 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.62 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.228 mW/g

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = **0.210 mW/g**; SAR(10 g) = **0.117 mW/g**



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gprs 1900-FLAT-Class8-2

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Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Air Temperature:24.3 deg C;Liquid Temperature:23.2 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.5, 4.5, 4.5); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm 810/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.96 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.167 mW/g

15mm 810/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 7.96 V/m; Power Drift = 0.1 dB

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

15mm 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.96 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.167 mW/g

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.087 mW/g

