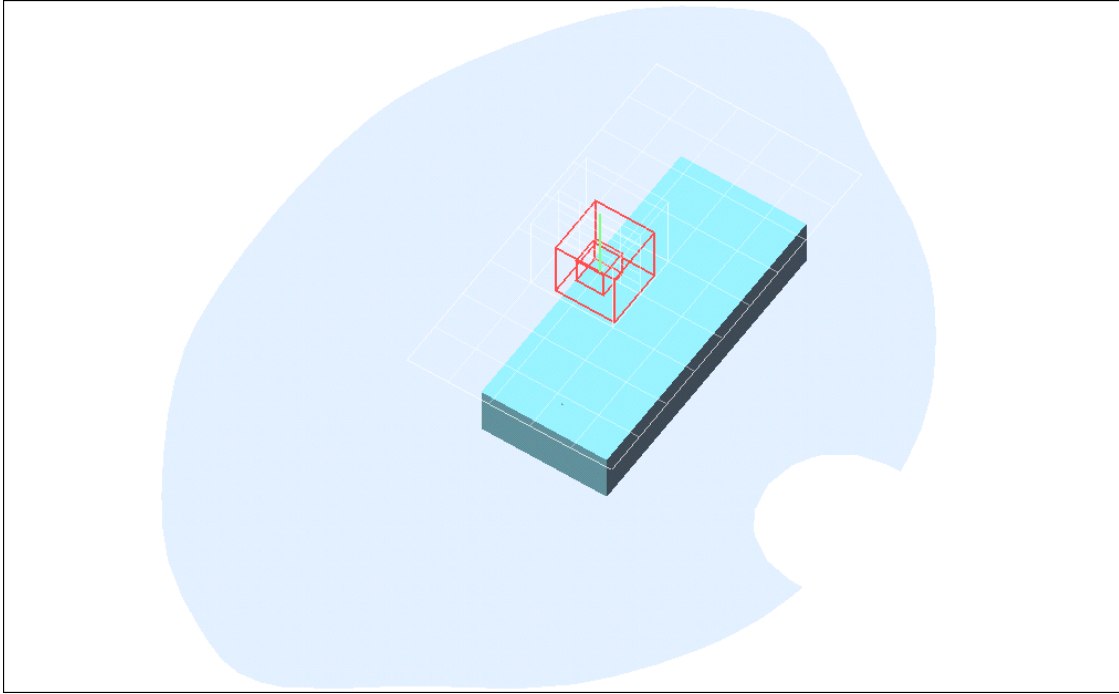


Test Laboratory: Compliance Certification Services Inc.

Body



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.14, 6.14, 6.14); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150 ;
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Low CH128/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 12.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.461 mW/g

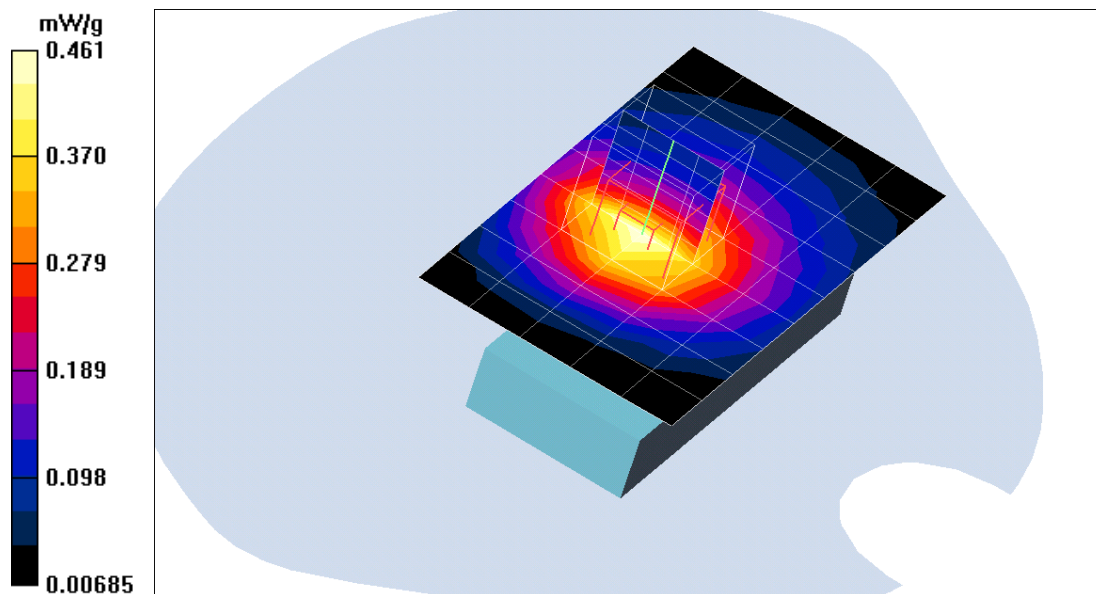
15mm Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.454 mW/g

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = **0.419 mW/g**; SAR(10 g) = 0.290 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Body

DUT: ST20B; Type:SMT5600 ; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature:24.5 deg C;Liquid Temperature:23.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.14, 6.14, 6.14); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150 ;
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Middle CH190/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 10.7 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.670 mW/g

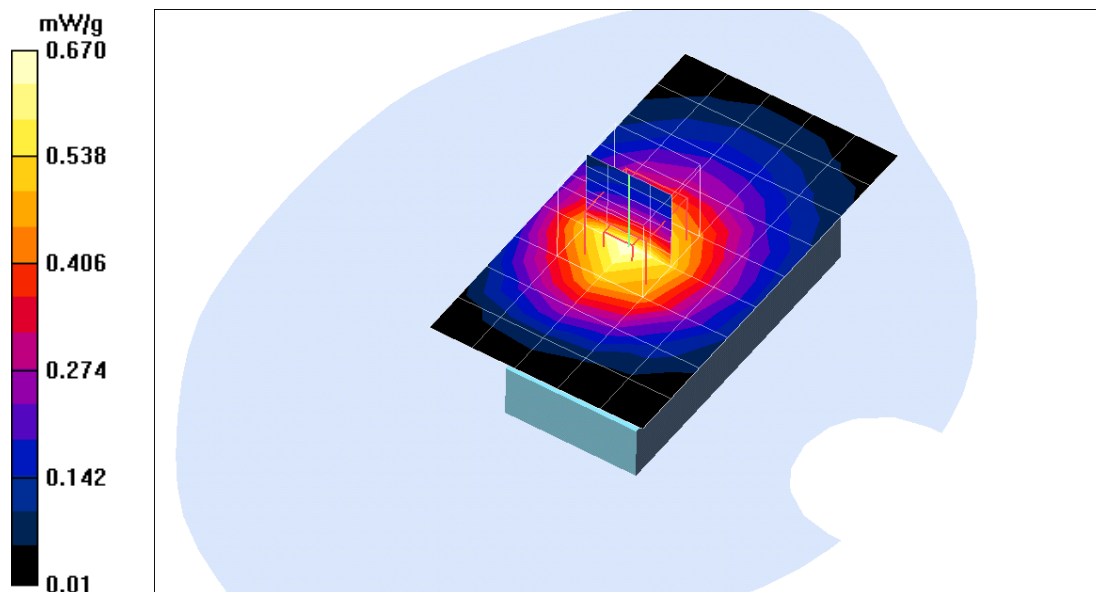
15mm Middle CH190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.7 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.664 mW/g

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = **0.611 mW/g**; SAR(10 g) = 0.423 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$; Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.14, 6.14, 6.14); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150 ;
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm High CH251/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.859 mW/g

15mm High CH251/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.844 mW/g

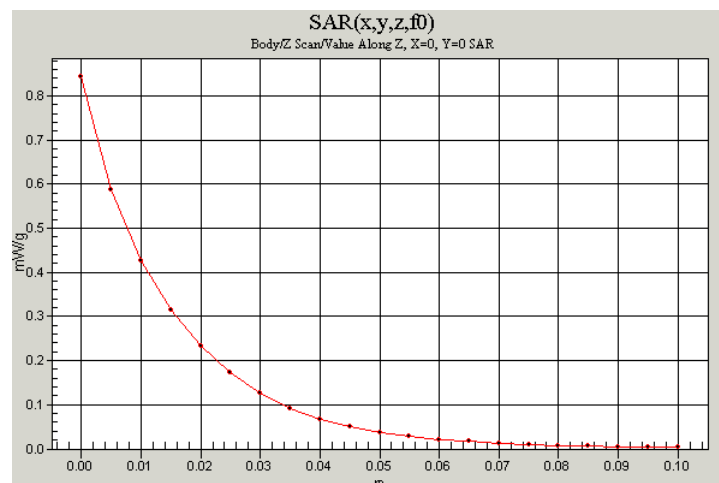
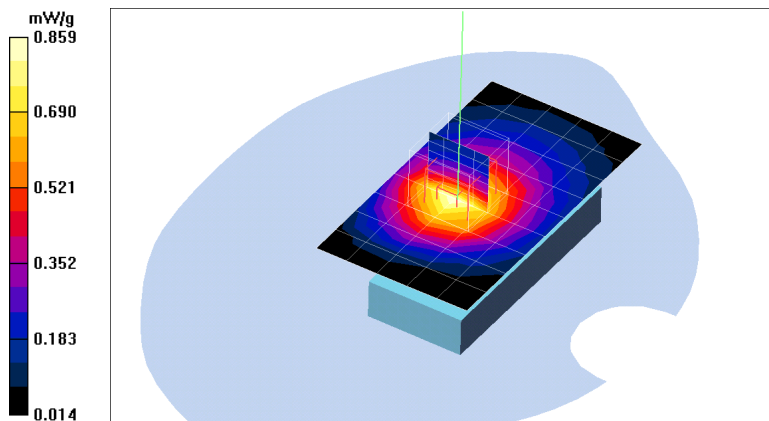
15mm High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.838 mW/g

Peak SAR (extrapolated) = 1.1 W/kg

SAR(1 g) = **0.785 mW/g**; SAR(10 g) = **0.543 mW/g**



Test Laboratory: Compliance Certification Services Inc.

GPRS 850-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.14, 6.14, 6.14); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Low CH128/Area Scan (8x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 21.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.765 mW/g

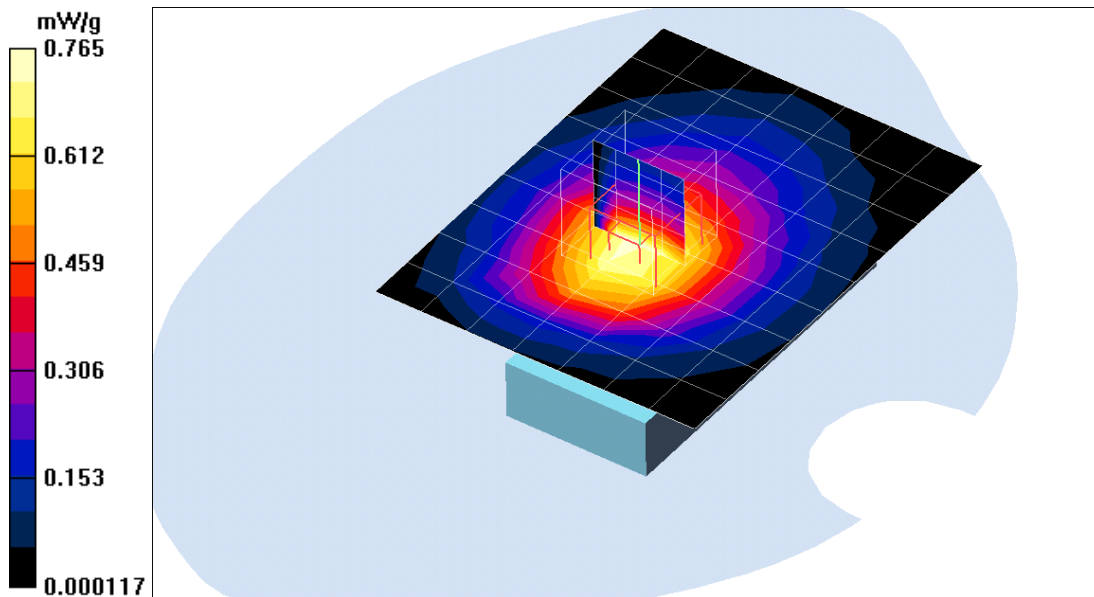
15mm Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.773 mW/g

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = **0.821 mW/g**; SAR(10 g) = 0.525 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 850-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$; Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.14, 6.14, 6.14); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Middle CH190/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 24.9 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.02 mW/g

15mm Middle CH190/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 24.9 V/m; Power Drift = -0.1 dB

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

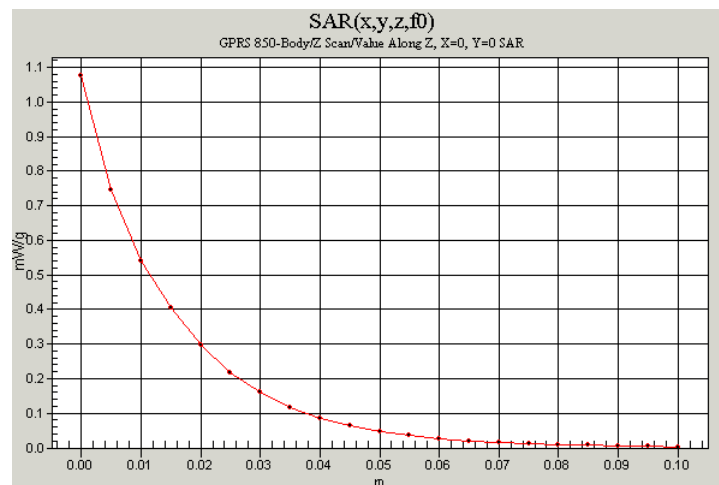
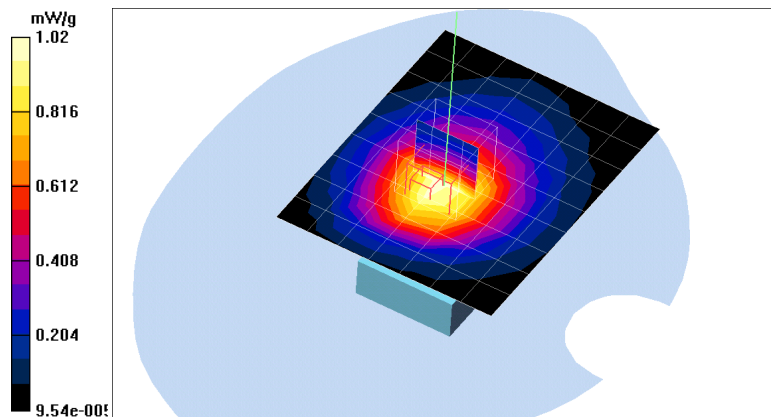
15mm Middle CH190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.9 V/m; Power Drift = -0.1 dB

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

Peak SAR (extrapolated) = 14.5 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.745 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 850-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.14, 6.14, 6.14); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm High CH251/Area Scan (8x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 28.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.3 mW/g

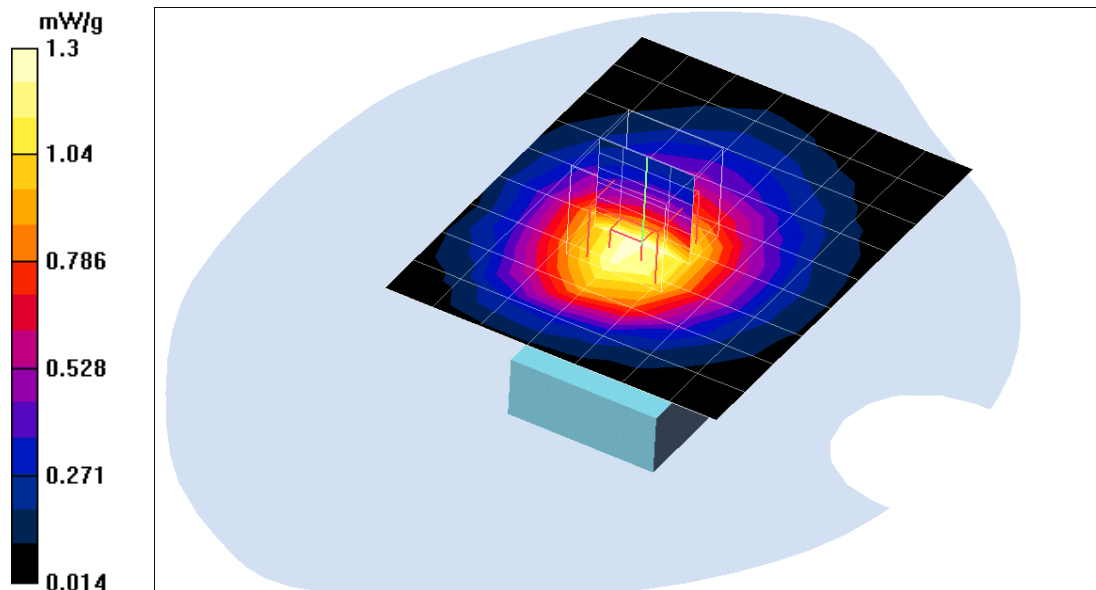
15mm High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.35 mW/g

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.878 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 850-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$; Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.14, 6.14, 6.14); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Middle CH190 with BT(co-location)/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 20.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.29 mW/g

15mm Middle CH190 with BT(co-location)/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = -0.2 dB

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

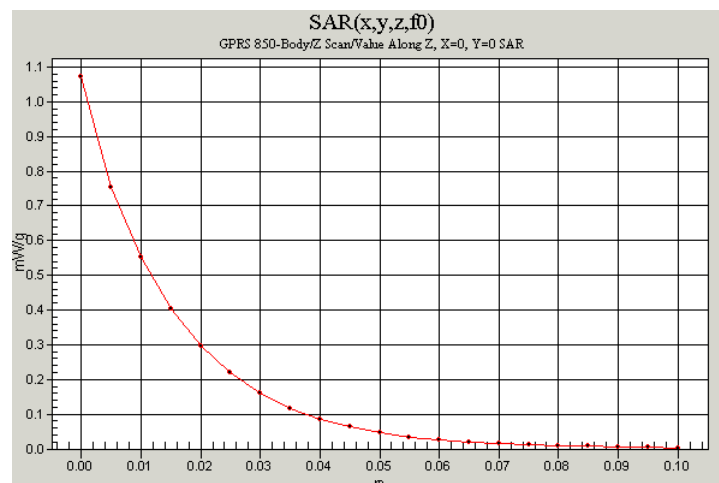
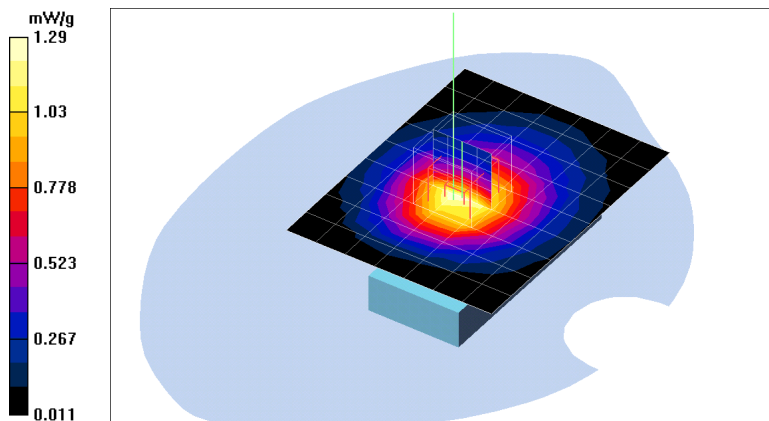
15mm Middle CH190 with BT(co-location)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.26 mW/g

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.807 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 25.3 deg C; Liquid Temperature: 24.3 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.66, 4.66, 4.66); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Low CH512/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 11 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.243 mW/g

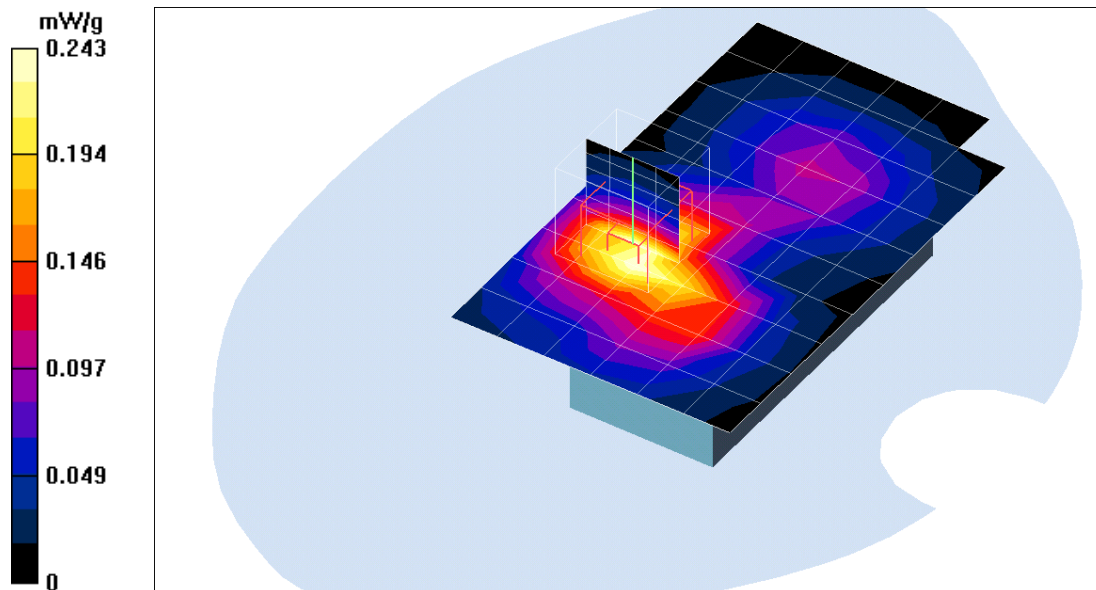
15mm Low CH512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.249 mW/g

Peak SAR (extrapolated) = 0.376 W/kg

SAR(1 g) = **0.232 mW/g**; SAR(10 g) = 0.139 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Air Temperature: 25.3 deg C; Liquid Temperature: 24.3 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.66, 4.66, 4.66); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Middle CH661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.52 V/m; Power Drift = -0.0 dB

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

15mm Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.52 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.321 mW/g

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = **0.300 mW/g**; SAR(10 g) = **0.180 mW/g**

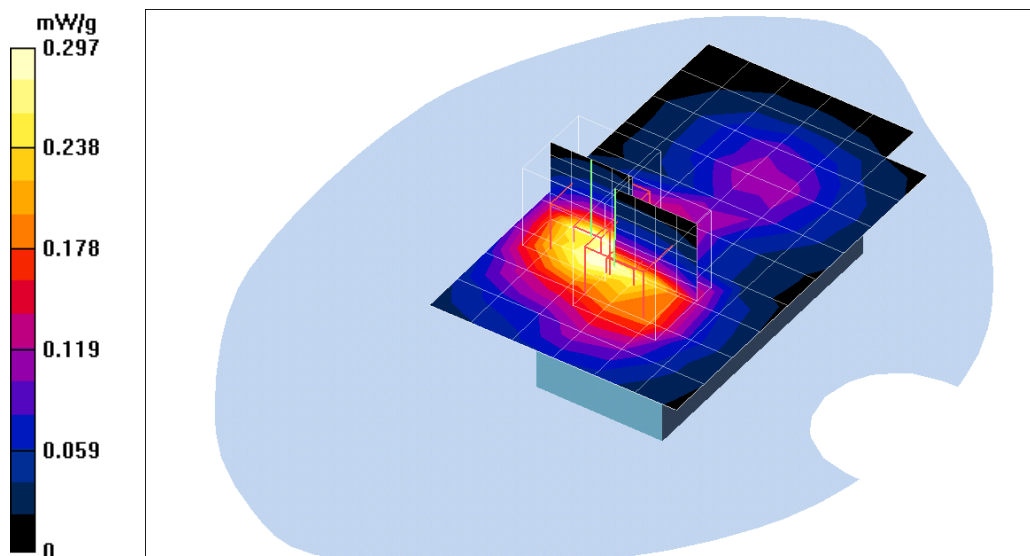
15mm Middle CH661/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.52 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.298 mW/g

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = **0.251 mW/g**; SAR(10 g) = **0.145 mW/g**



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 25.3 deg C; Liquid Temperature: 24.3 deg C
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.66, 4.66, 4.66); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm High CH810/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 14.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.347 mW/g

15mm High CH810/Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.3 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.398 mW/g

15mm High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.380 mW/g

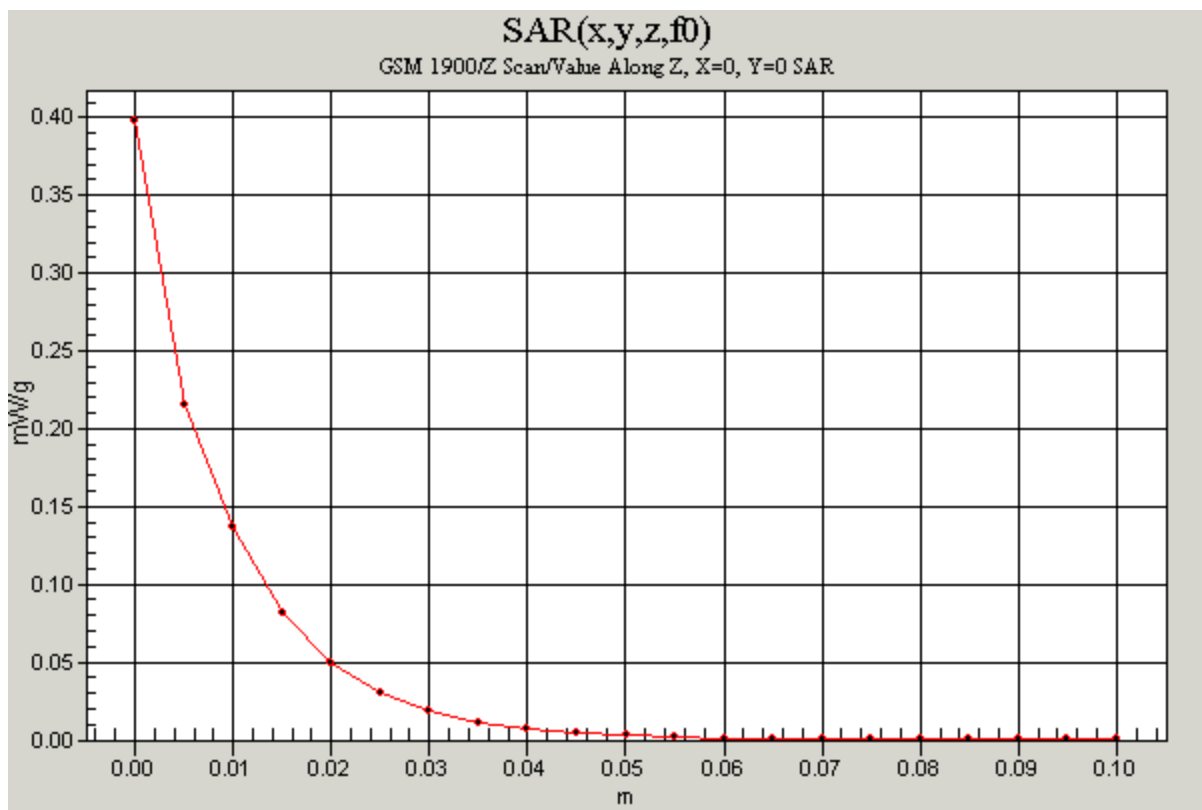
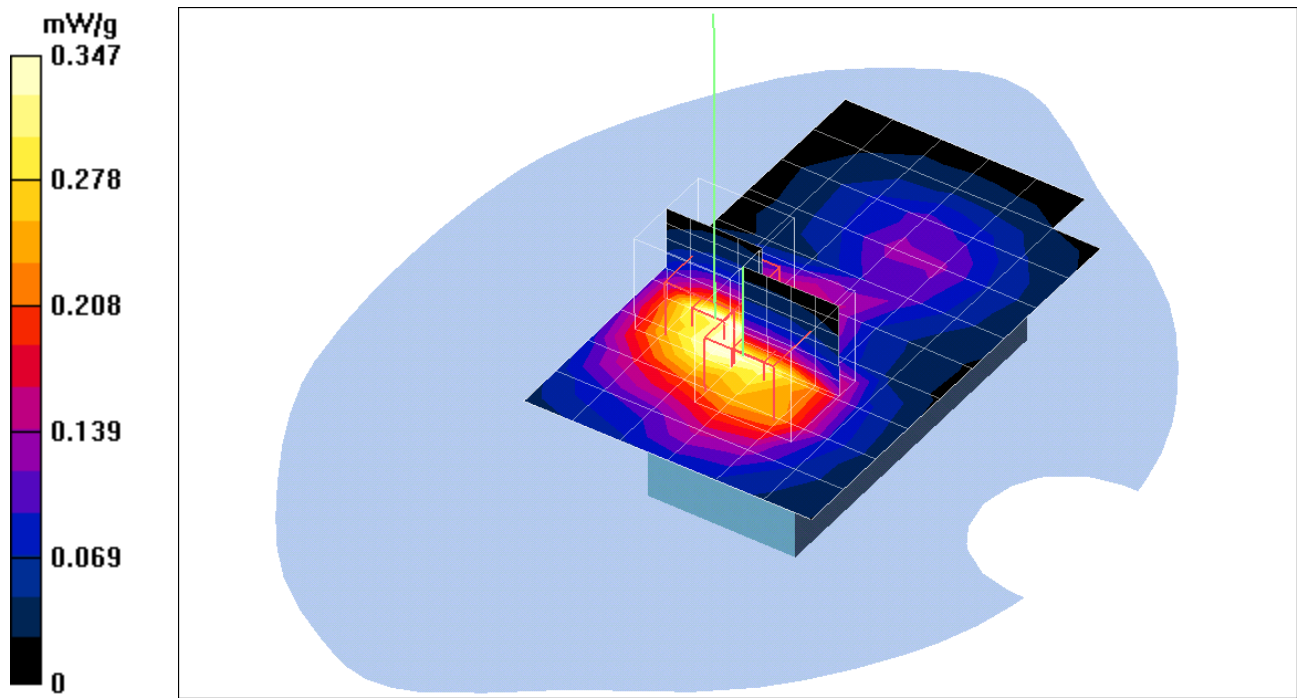
Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = **0.353 mW/g**; SAR(10 g) = 0.211 mW/g

15mm High CH810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.343 mW/g
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.177 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 1900-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 25.3 deg C; Liquid Temperature: 24.3 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.66, 4.66, 4.66); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Low CH512/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 7.74 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.189 mW/g

15mm Low CH512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.74 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.211 mW/g

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = **0.201 mW/g**; SAR(10 g) = 0.121 mW/g

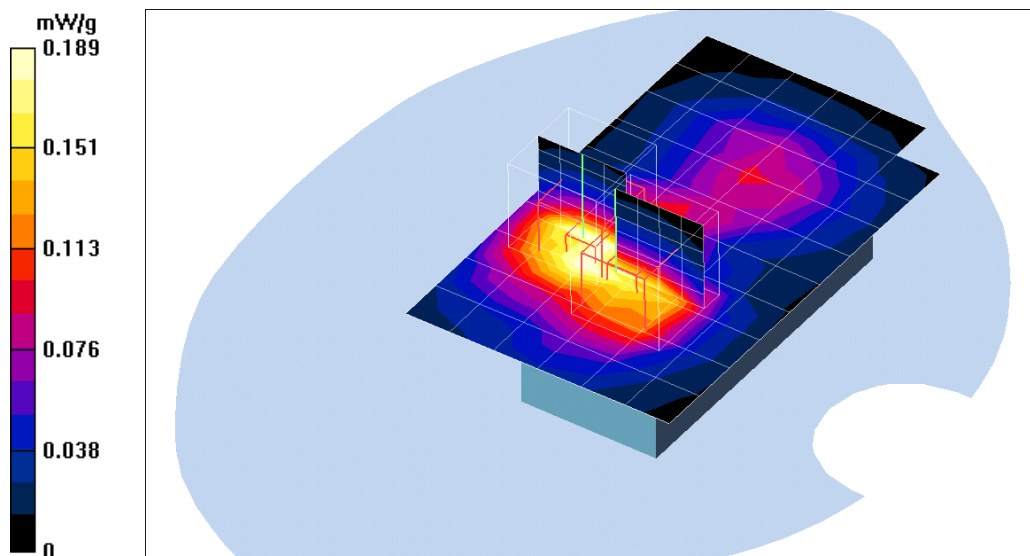
15mm Low CH512/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.74 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.192 mW/g

Peak SAR (extrapolated) = 7.21 W/kg

SAR(1 g) = **0.162 mW/g**; SAR(10 g) = 0.098 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 1900-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Air Temperature: 25.3 deg C; Liquid Temperature: 24.3 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.66, 4.66, 4.66); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Middle CH661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.8 V/m; Power Drift = -0.008 dB

Maximum value of SAR (measured) = 0.251 mW/g

15mm Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.008 dB

Maximum value of SAR (measured) = 0.282 mW/g

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = **0.266 mW/g**; SAR(10 g) = **0.160 mW/g**

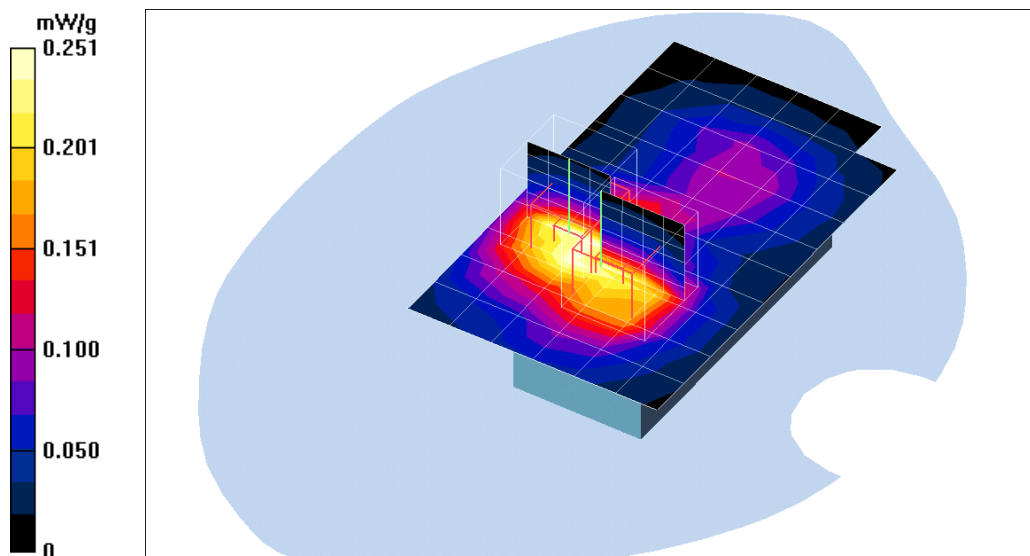
15mm Middle CH661/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.008 dB

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

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = **0.217 mW/g**; SAR(10 g) = **0.128 mW/g**



Test Laboratory: Compliance Certification Services Inc.

GPRS 1900-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 25.3 deg C; Liquid Temperature: 24.3 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.66, 4.66, 4.66); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm High CH810/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 10.7 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.314 mW/g

15mm High CH810/Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.7 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.358 mW/g

15mm High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.7 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.343 mW/g

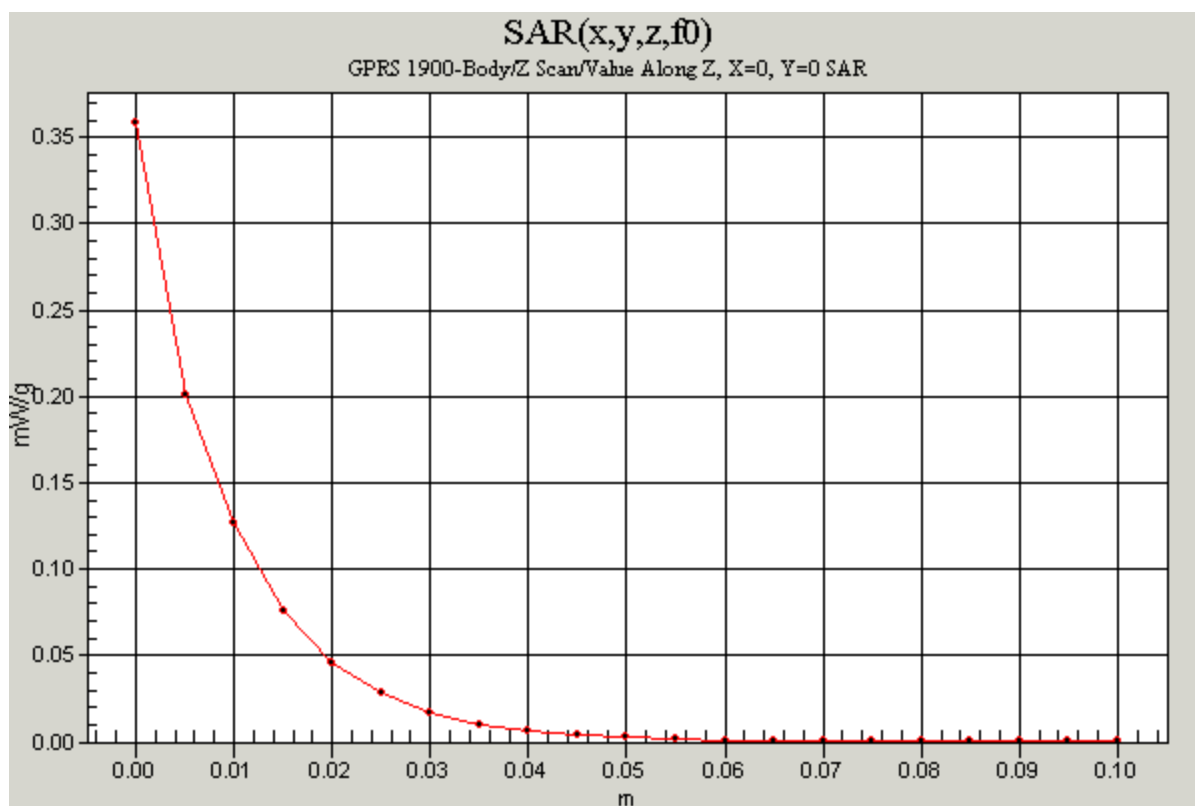
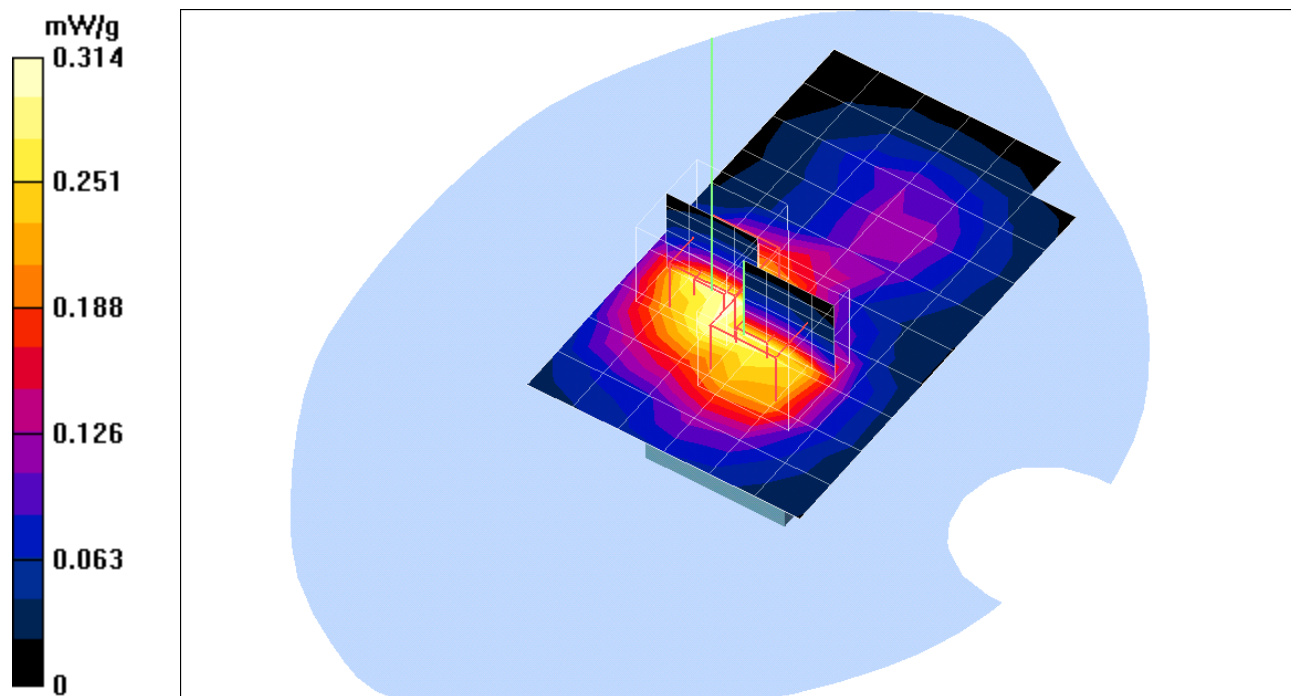
Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = **0.322 mW/g**; SAR(10 g) = 0.194 mW/g

15mm High CH810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.7 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.311 mW/g
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.169 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Body

DUT: ST20B; Type: SMT5600 ; Serial: N/A

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 25.3 deg C; Liquid Temperature: 24.3 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.66, 4.66, 4.66); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

15mm Middle CH810 with BT(co-location) /Area Scan (7x11x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 13.1 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.322 mW/g

15mm Middle CH810 with BT(co-location) /Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.1 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.339 mW/g

15mm Middle CH810 with BT(co-location) /Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.1 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.327 mW/g

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = **0.309 mW/g**; SAR(10 g) = 0.184 mW/g

15mm Middle CH810 with BT(co-location) /Zoom Scan (5x5x7)/Cube 1:

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.1 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.304 mW/g
Peak SAR (extrapolated) = 0.445 W/kg
SAR(1 g) = **0.280 mW/g**; SAR(10 g) = 0.175 mW/g

