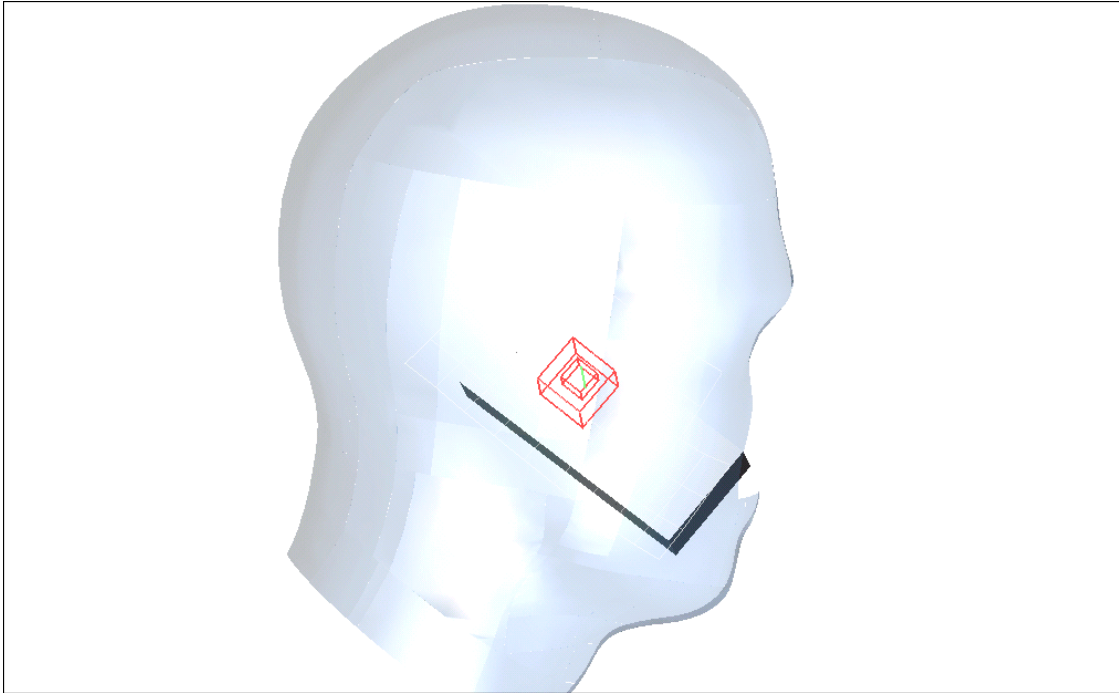


Test Laboratory: Compliance Certification Services Inc.

Left Head



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Left

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

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.46, 6.46, 6.46); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

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

Reference Value = 14.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.239 mW/g

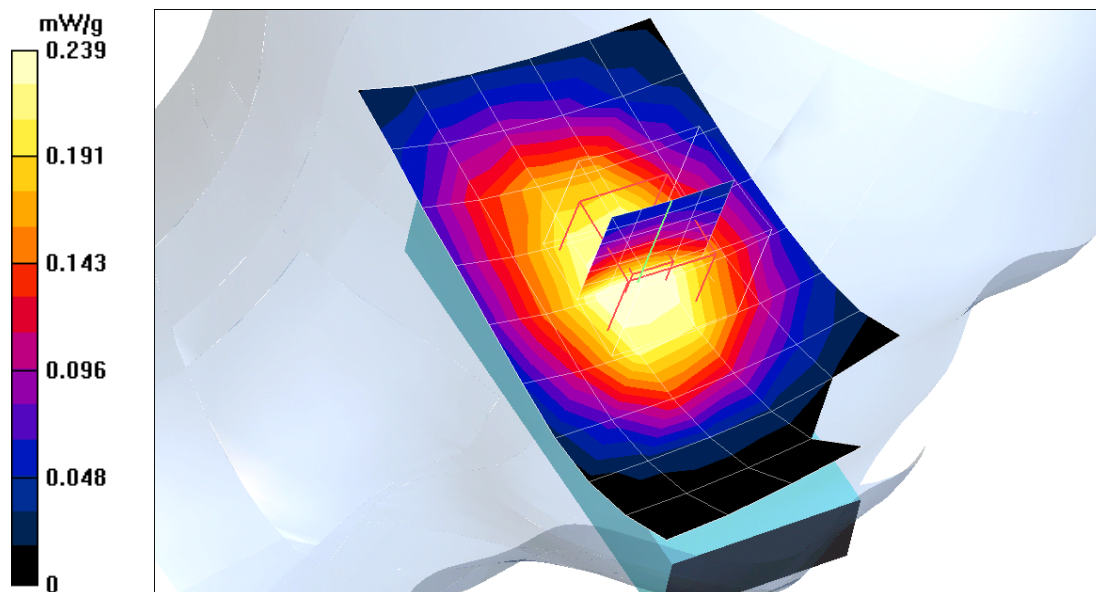
cheek Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.252 mW/g

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.176 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Left

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

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.46, 6.46, 6.46); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

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

Reference Value = 16.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.303 mW/g

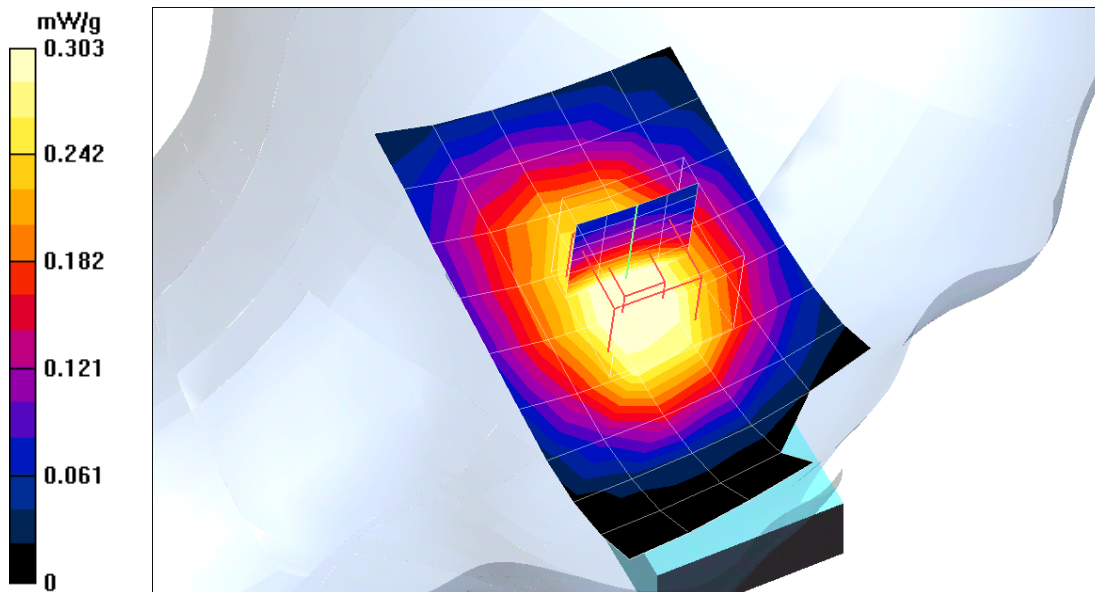
cheek Middle CH190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.323 mW/g

Peak SAR (extrapolated) = 0.420 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.225 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Left

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

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$; Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.46, 6.46, 6.46); Calibrated: 3/23/2004
- 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

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

Reference Value = 19.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.422 mW/g

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

Reference Value = 19.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.325 mW/g

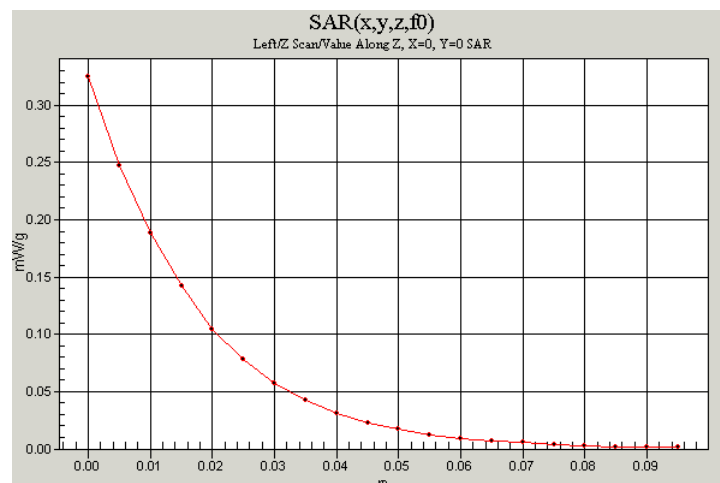
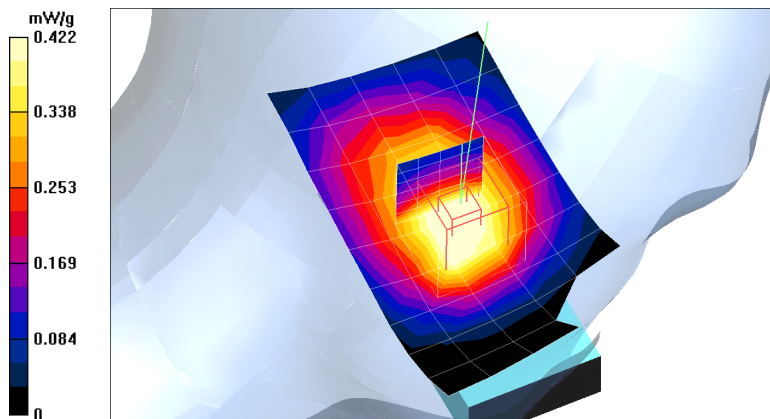
cheek High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.448 mW/g

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.305 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Left

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

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

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(5.34, 5.34, 5.34); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Cheek Low CH512/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 12.5 V/m; Power Drift = -0.1 dB

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

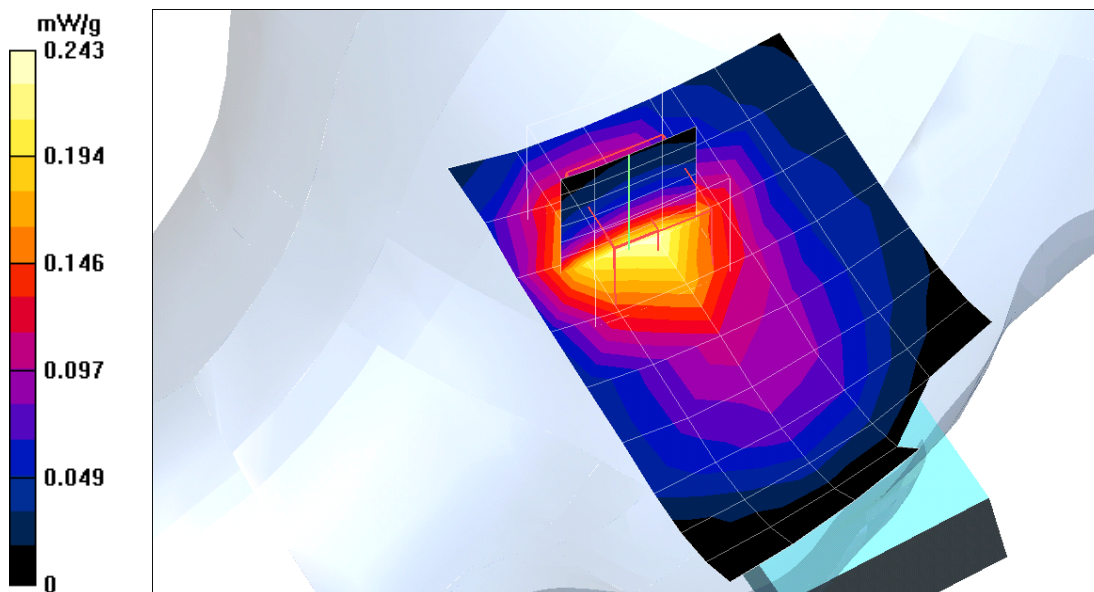
Cheek Low CH512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.250 mW/g

Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = **0.232 mW/g**; SAR(10 g) = 0.140 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Left

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

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(5.34, 5.34, 5.34); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Cheek Middle CH661/Area Scan (6x10x1): 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) = 0.296 mW/g

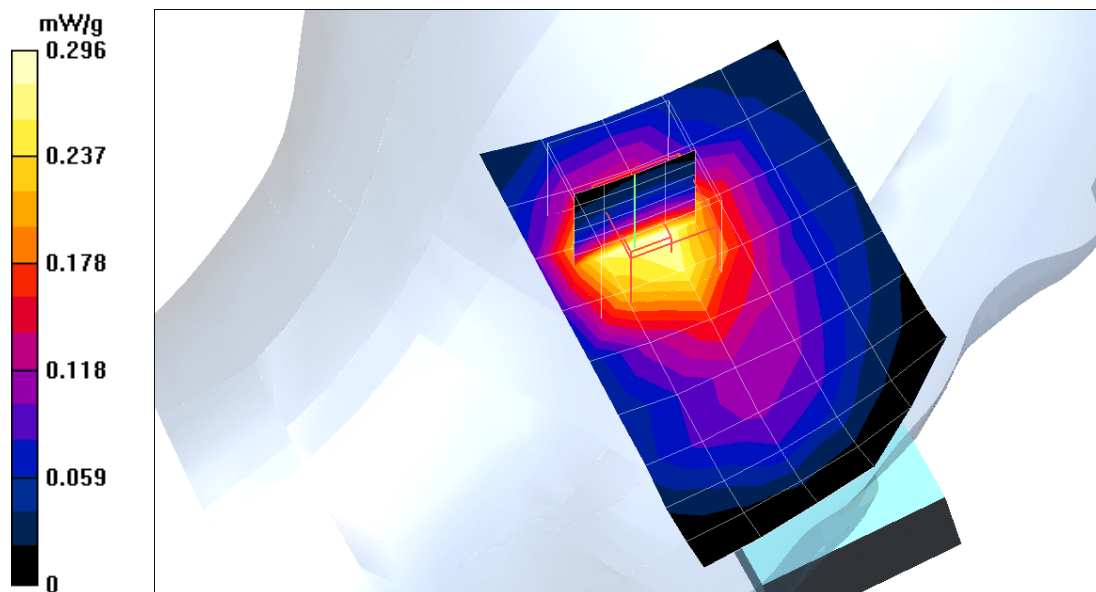
Cheek Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

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

Maximum value of SAR (measured) = 0.325 mW/g

Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.179 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Left

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

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(5.34, 5.34, 5.34); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Cheek High CH810/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 16.9 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.417 mW/g

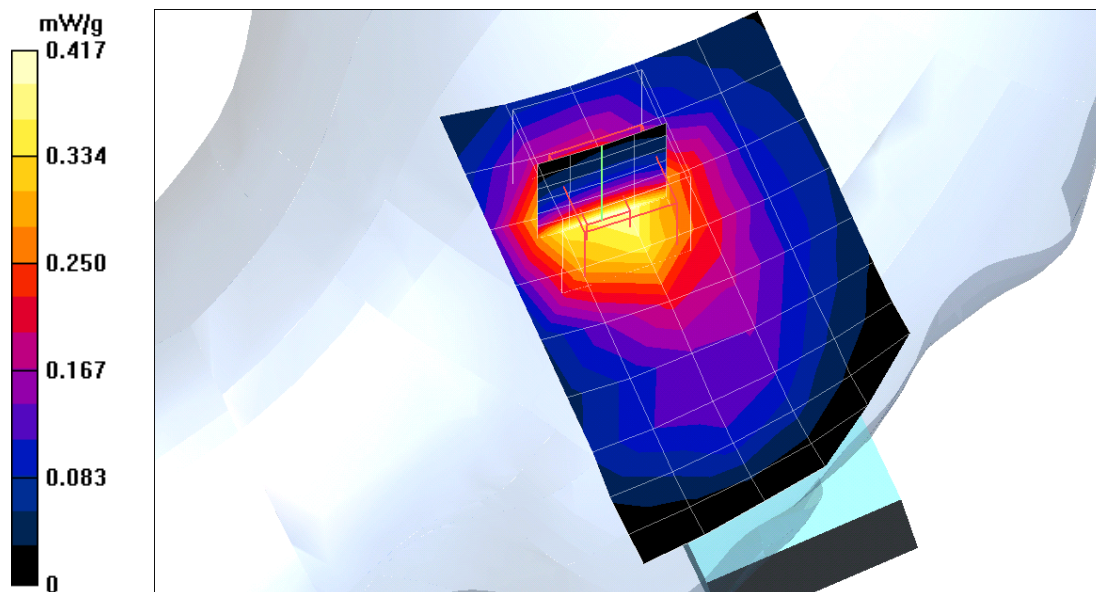
Cheek High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.9 V/m; Power Drift = -0.0 dB

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

Peak SAR (extrapolated) = 0.679 W/kg

SAR(1 g) = **0.412 mW/g**; SAR(10 g) = 0.242 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Left

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

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.46, 6.46, 6.46); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

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

Reference Value = 13.5 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.138 mW/g

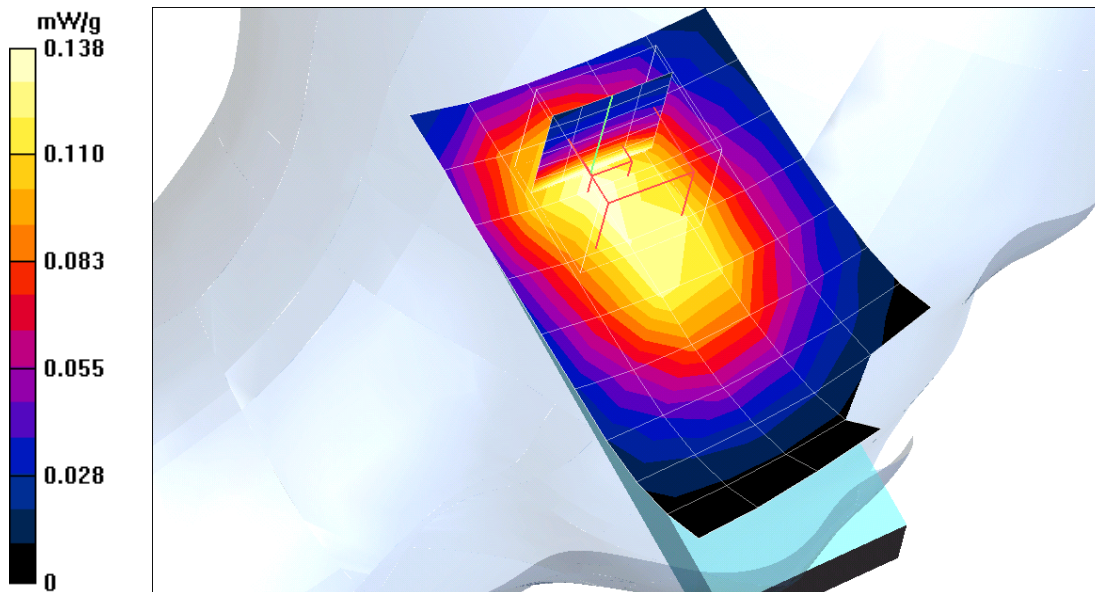
tilted Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.5 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.158 mW/g

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.097 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Left

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

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.46, 6.46, 6.46); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- 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

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

Reference Value = 15.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.178 mW/g

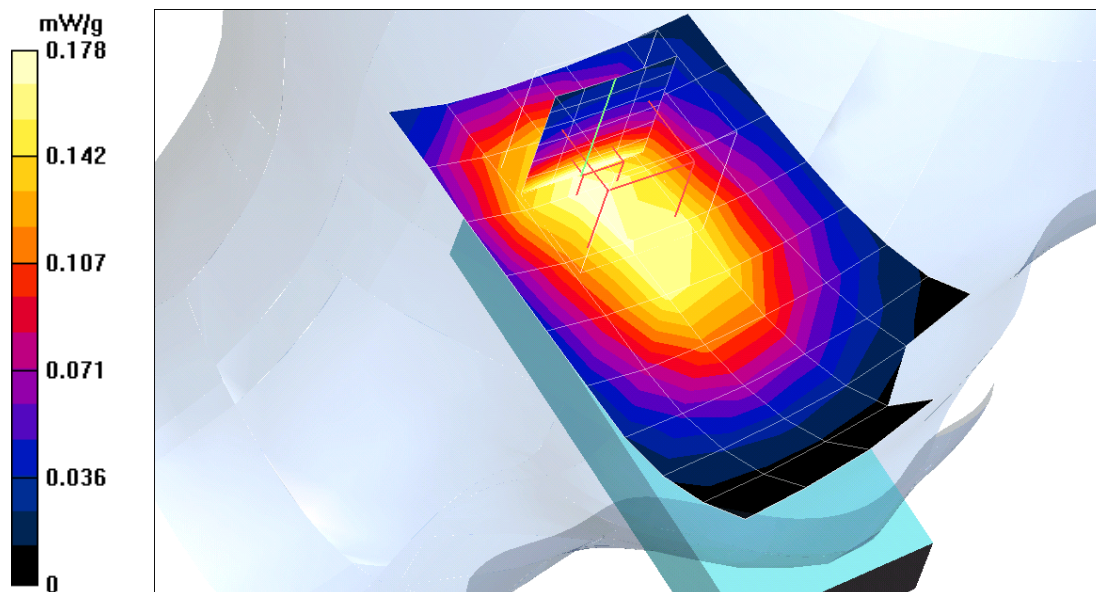
tilted Middle CH190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.203 mW/g

Peak SAR (extrapolated) = 0.297 W/kg

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.123 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850-Left

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

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(6.46, 6.46, 6.46); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- 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

tilted High CH251/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 18.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.252 mW/g

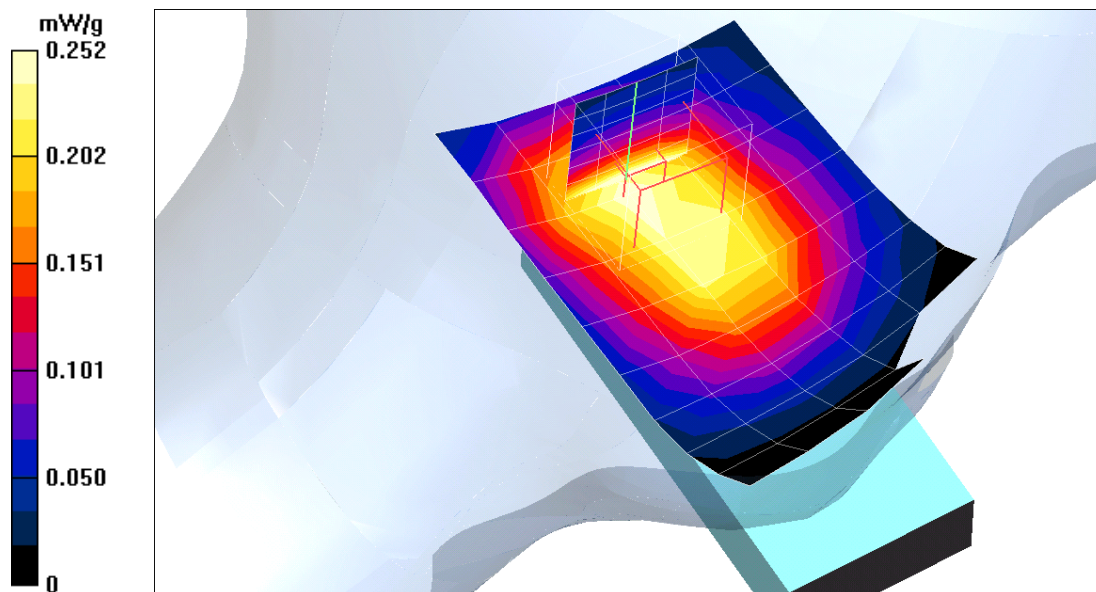
tilted High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.284 mW/g

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.171 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Left

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

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

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(5.34, 5.34, 5.34); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Tilted Low CH512/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 15 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.336 mW/g

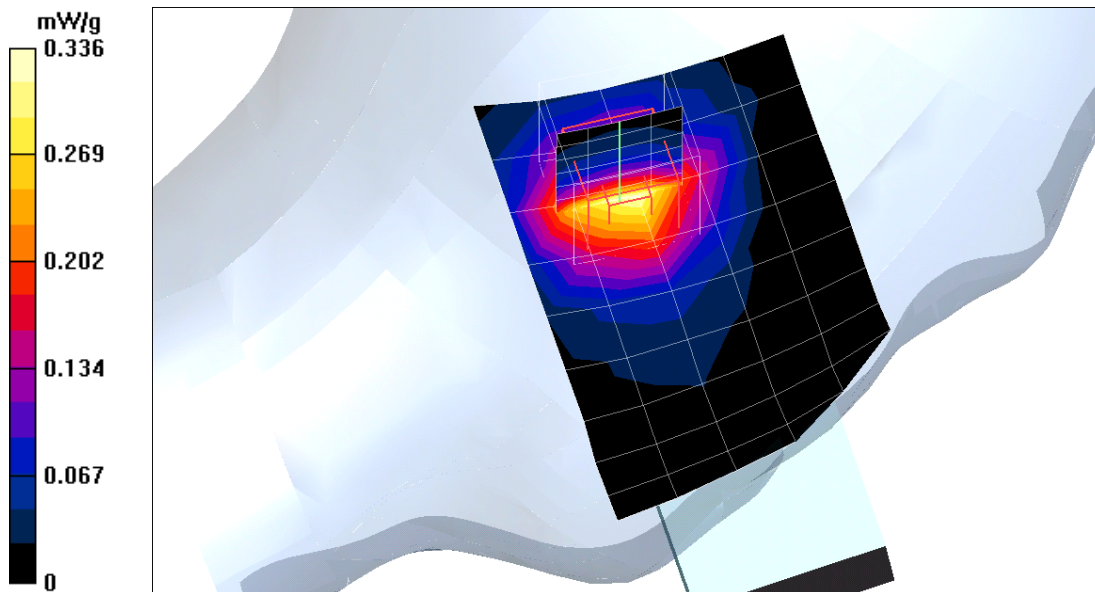
Tilted Low CH512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.352 mW/g

Peak SAR (extrapolated) = 0.517 W/kg

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.177 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Left

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

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(5.34, 5.34, 5.34); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Tilted Middle CH661/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 17.8 V/m; Power Drift = 0.005 dB

Maximum value of SAR (measured) = 0.471 mW/g

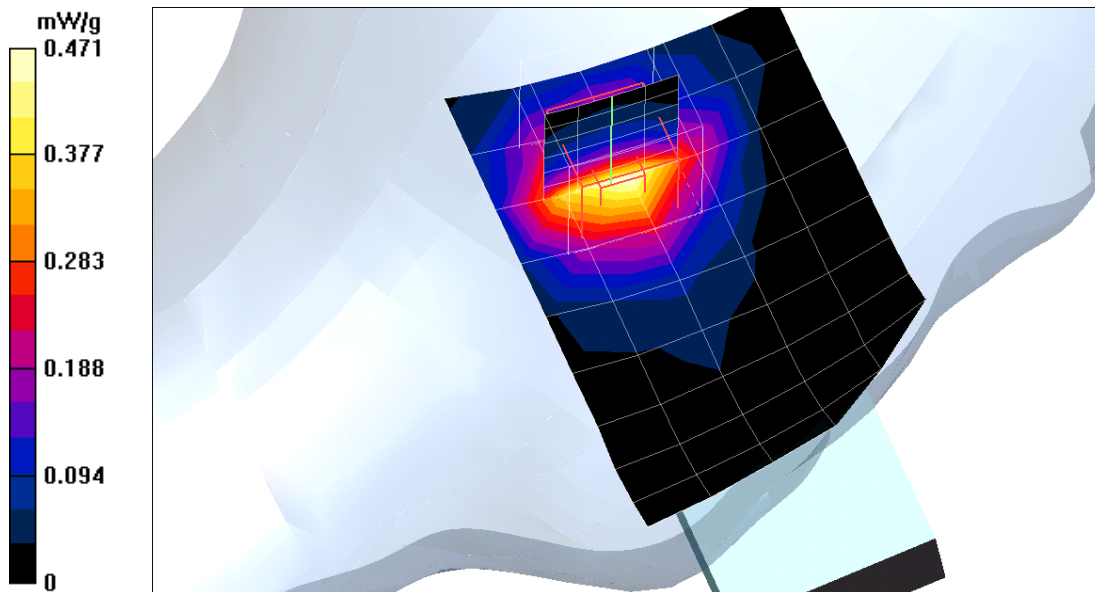
Tilted Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.8 V/m; Power Drift = 0.005 dB

Maximum value of SAR (measured) = 0.487 mW/g

Peak SAR (extrapolated) = 0.720 W/kg

SAR(1 g) = **0.434 mW/g**; SAR(10 g) = 0.240 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900-Left

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

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(5.34, 5.34, 5.34); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Tilted High CH810/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 21.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.669 mW/g

Tilted 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 = 21.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.681 mW/g

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.332 mW/g

