

SAR Plots & Tissue Measurement Data

Test Laboratory: KTL

835MHz Validation - D835V2; SN:481

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.897 \text{ mho/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.51 mW/g

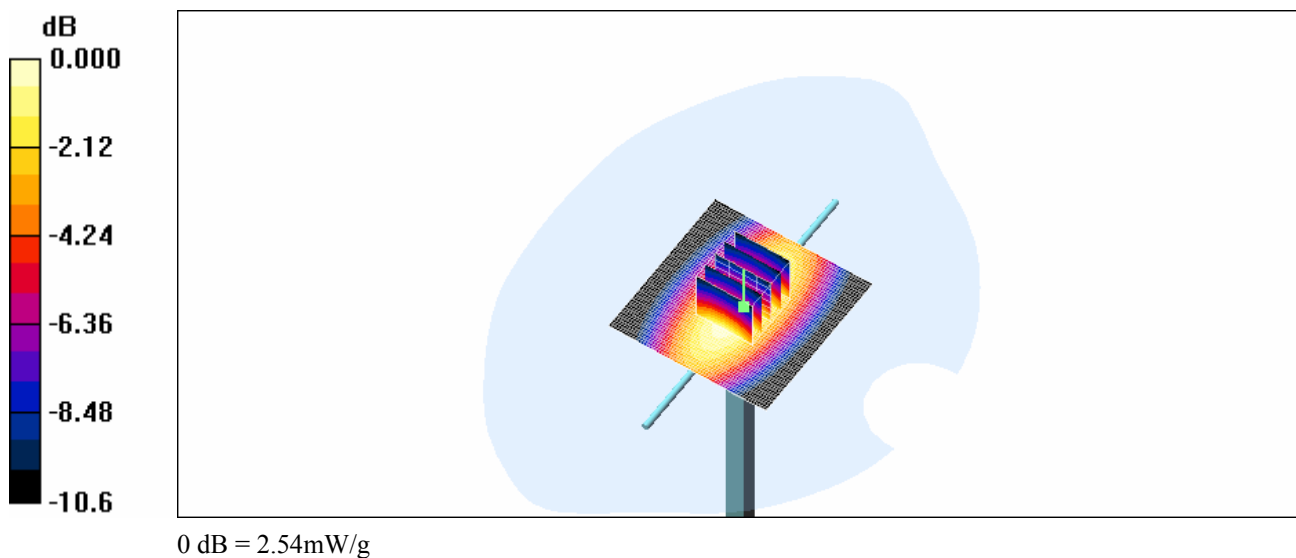
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.8 V/m ; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 2.35 mW/g ; SAR(10 g) = 1.53 mW/g

Maximum value of SAR (measured) = 2.54 mW/g



Test Laboratory: KTL

Firefly W100 Ch.128 LEFT Cheek Touch

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (51x81x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.906 mW/g

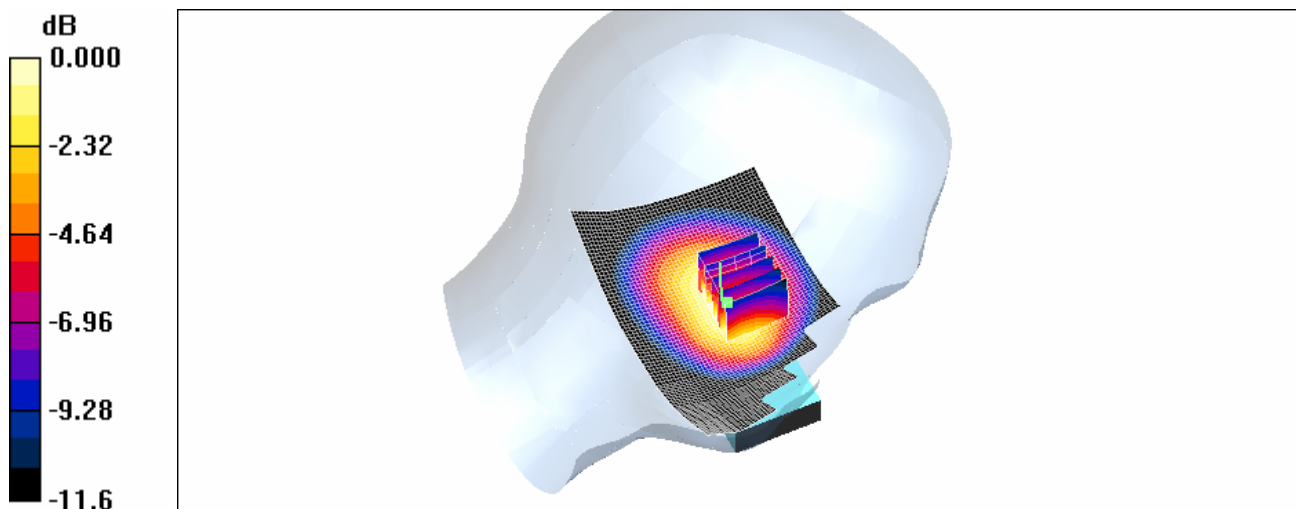
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.6 V/m ; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.831 mW/g ; SAR(10 g) = 0.559 mW/g

Maximum value of SAR (measured) = 0.873 mW/g



0 dB = 0.873 mW/g

Test Laboratory: KTL

Firefly W100 Ch.128 LEFT Ear Tilt

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (51x81x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.539 mW/g

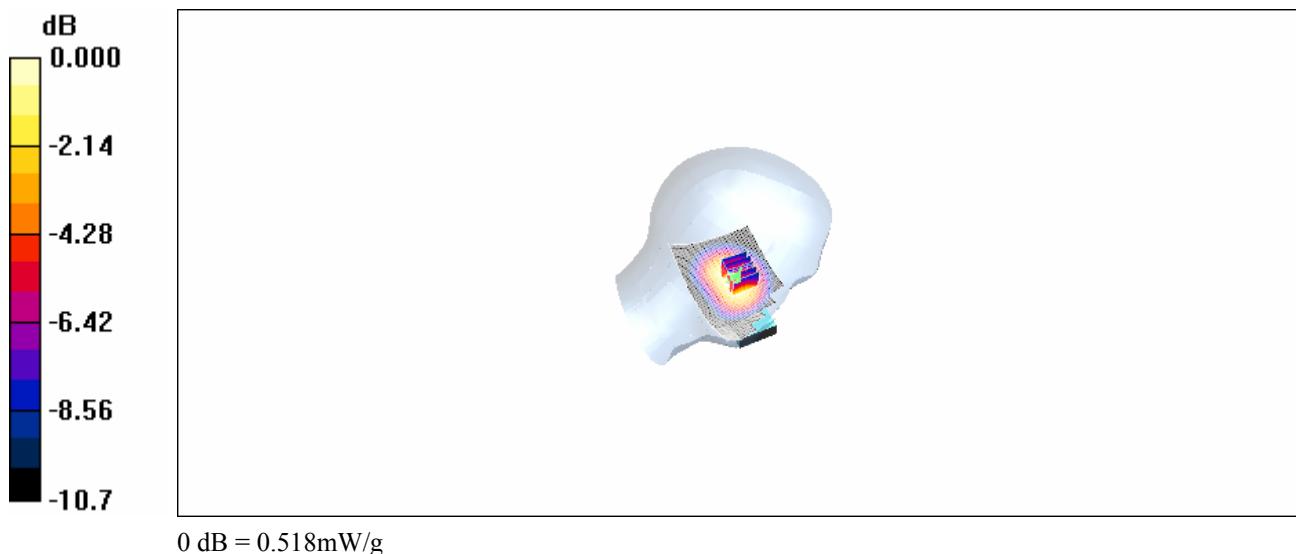
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.9 V/m ; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.712 W/kg

SAR(1 g) = 0.493 mW/g ; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.518 mW/g



Test Laboratory: KTL

Firefly W100 Ch.128 Right Cheek Touch

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.918 mW/g

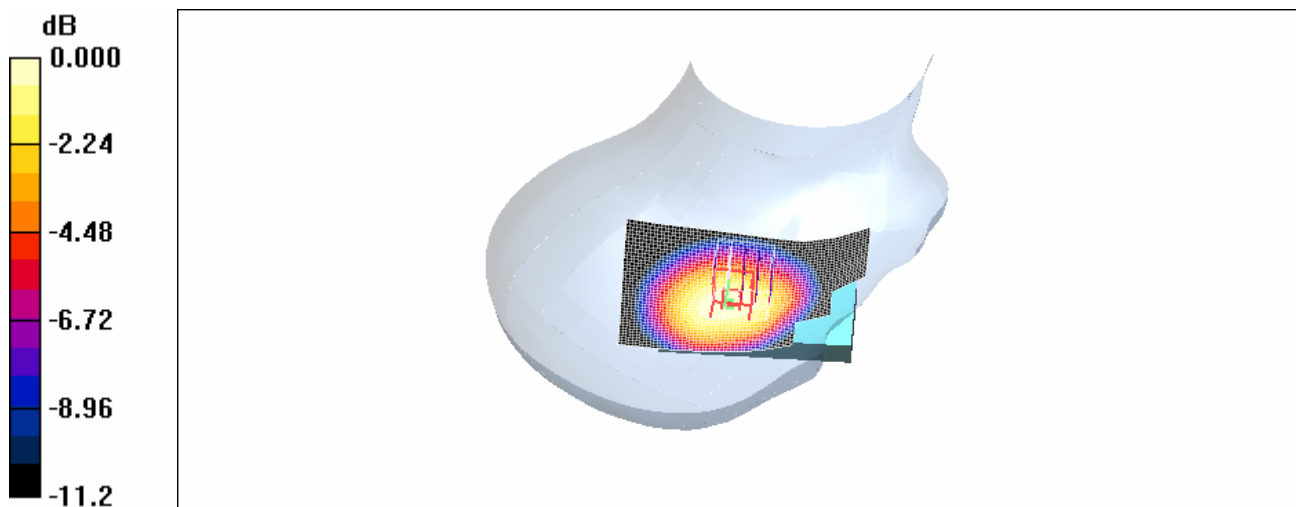
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.574 mW/g

Maximum value of SAR (measured) = 0.898 mW/g



Test Laboratory: KTL

Firefly W100 Ch.128 Right Ear Tilt

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.555 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.6 V/m ; Power Drift = -0.749 dB

Peak SAR (extrapolated) = 0.716 W/kg

SAR(1 g) = 0.505 mW/g ; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.523 mW/g



Test Laboratory: KTL

Firefly W100 Ch.190 LEFT Cheek Touch

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (51x81x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.15 mW/g

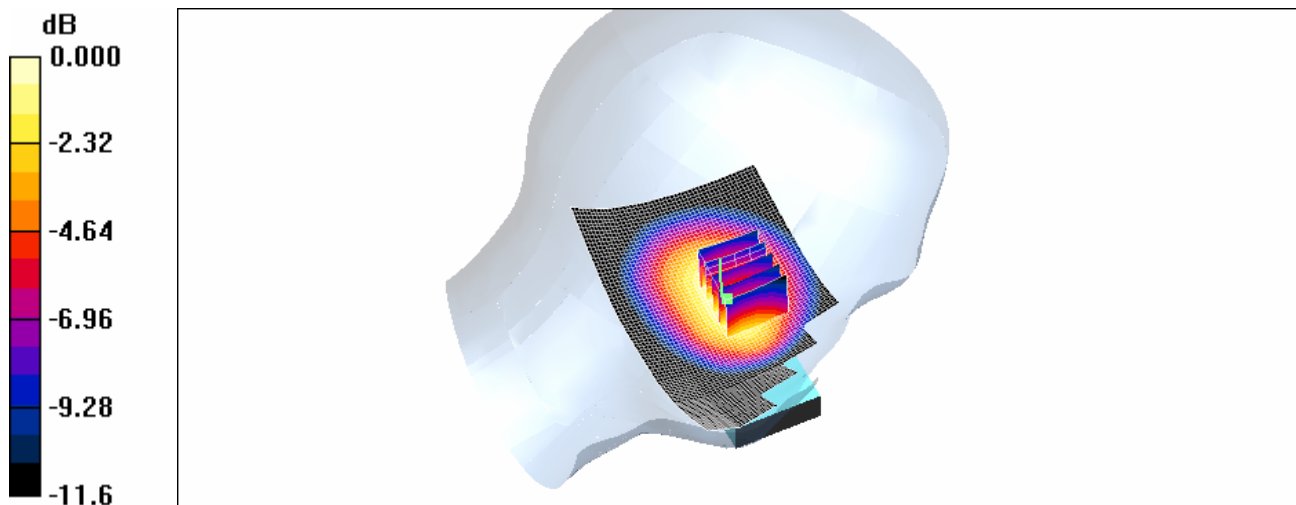
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.4 V/m ; Power Drift = -0.378 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 1.08 mW/g ; SAR(10 g) = 0.719 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



Test Laboratory: KTL

Firefly W100 Ch.190 LEFT Ear Tilt

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.639 mW/g

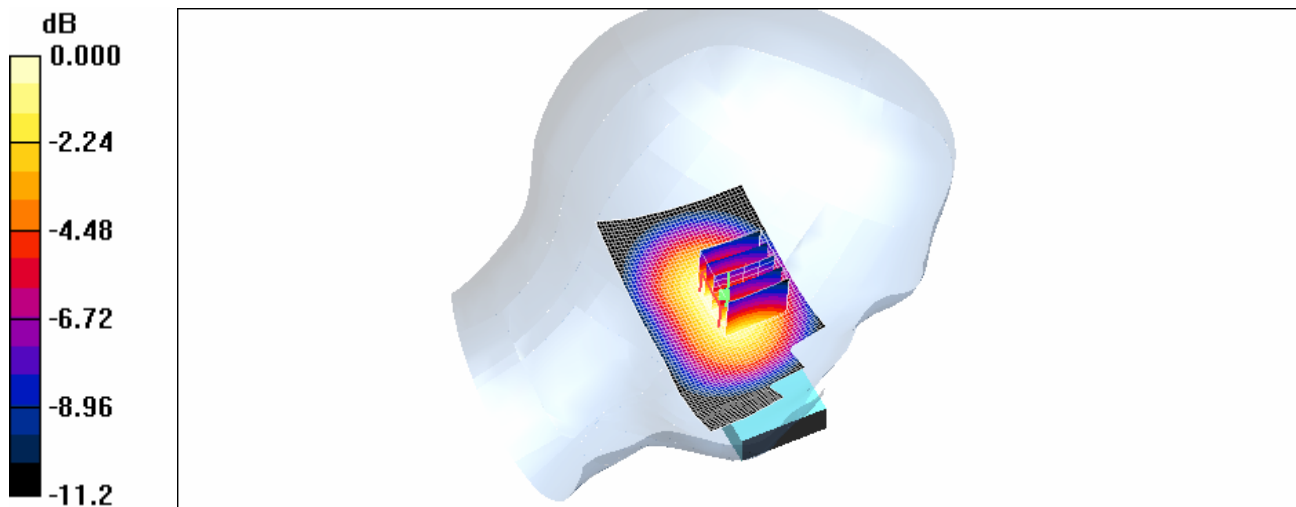
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.2 V/m ; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.593 mW/g ; SAR(10 g) = 0.403 mW/g

Maximum value of SAR (measured) = 0.630 mW/g



0 dB = 0.630 mW/g

Test Laboratory: KTL

Firefly W100 Ch.190 Right Cheek Touch

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.18 mW/g

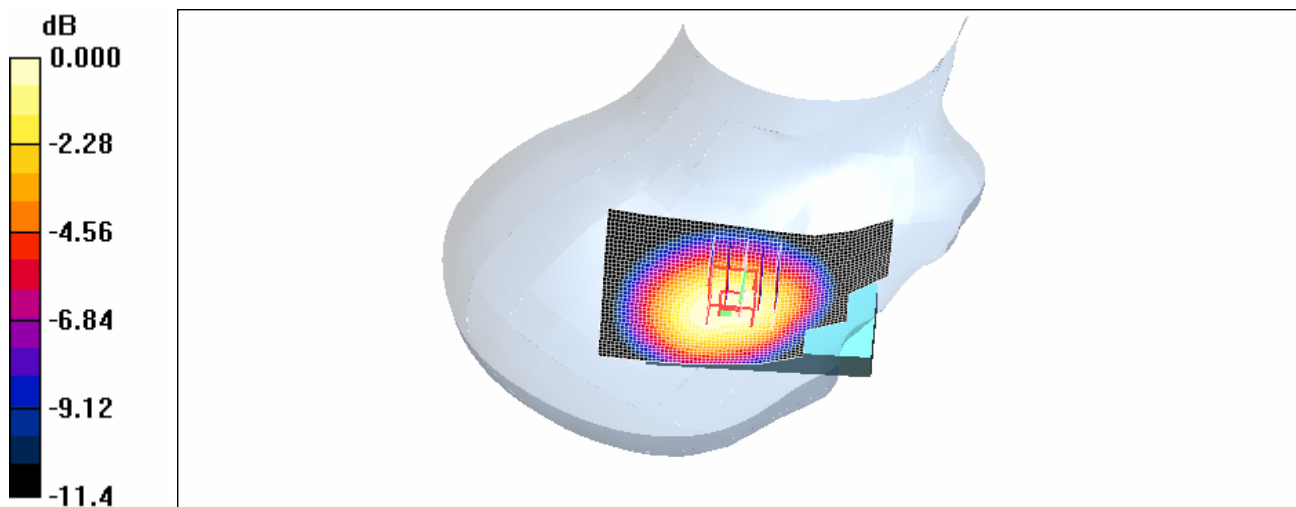
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.1 V/m ; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.1 mW/g ; SAR(10 g) = 0.734 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13 mW/g

Test Laboratory: KTL

Firefly W100 Ch.190 Right Ear Tilt

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.686 mW/g

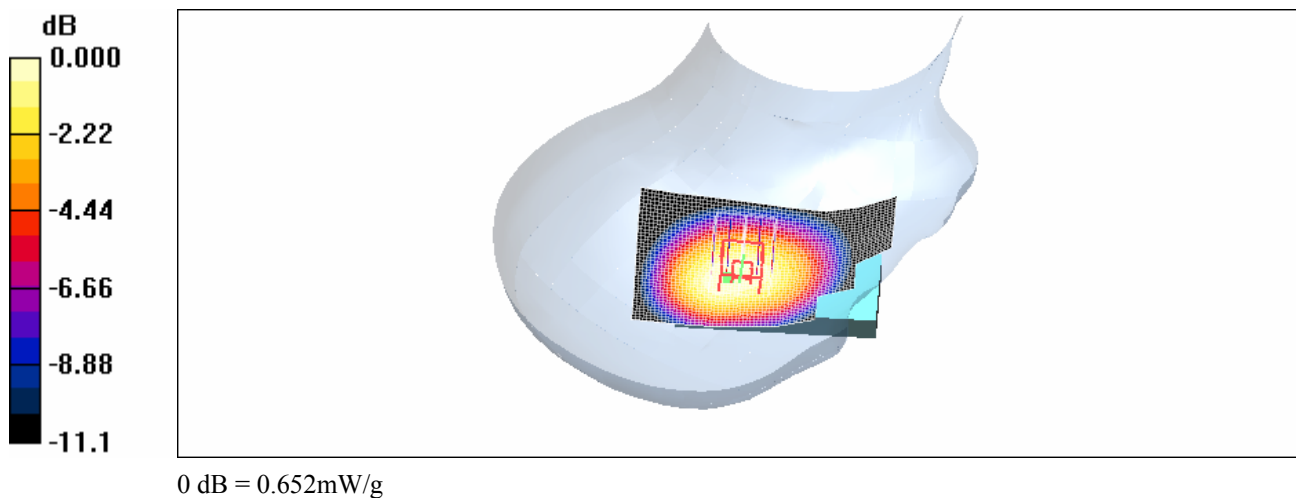
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.9 V/m ; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 0.887 W/kg

SAR(1 g) = 0.625 mW/g ; SAR(10 g) = 0.425 mW/g

Maximum value of SAR (measured) = 0.652 mW/g



Test Laboratory: KTL

Firefly Ch.251 LEFT Cheek Touch

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (51x81x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.34 mW/g

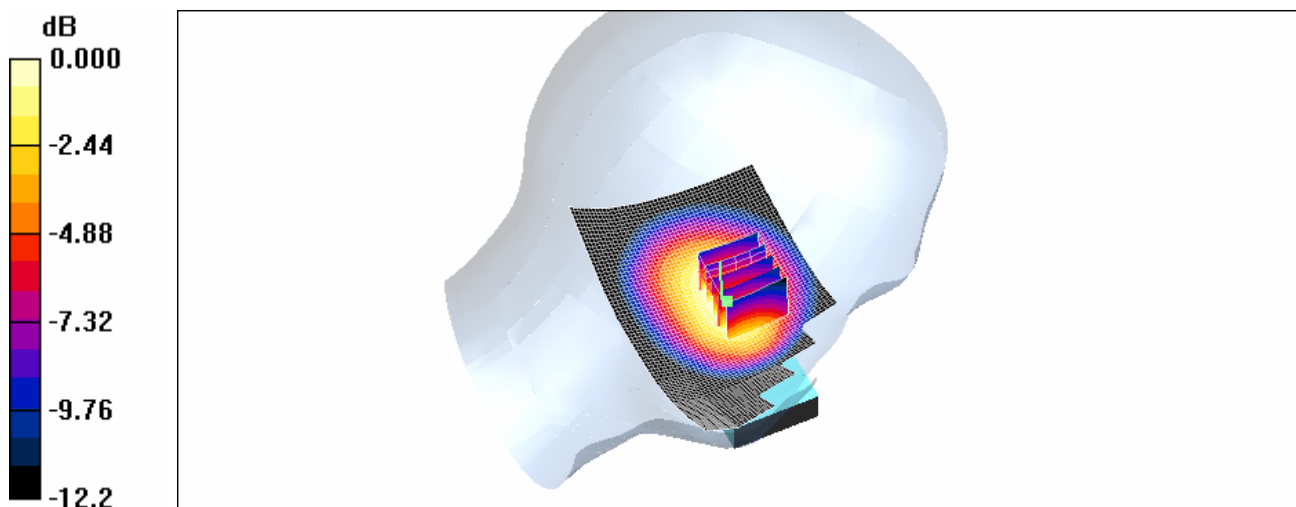
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.6 V/m ; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.24 mW/g ; SAR(10 g) = 0.829 mW/g

Maximum value of SAR (measured) = 1.31 mW/g



Test Laboratory: KTL

Frefly W100 Ch.251 LEFT Ear Tilt

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (51x81x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.837 mW/g

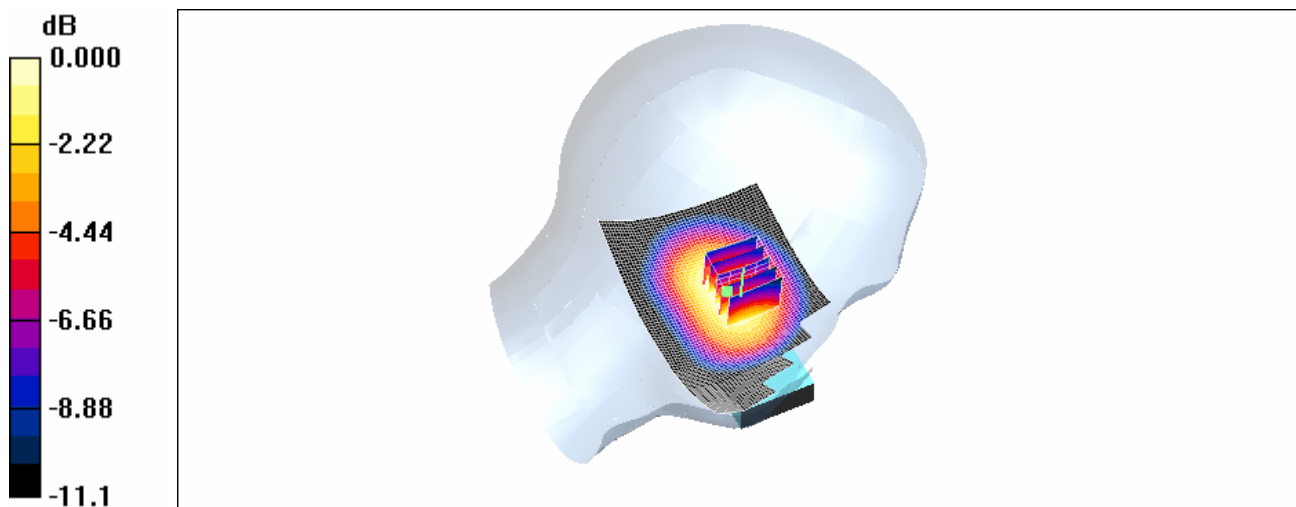
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.8 V/m ; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.770 mW/g ; SAR(10 g) = 0.522 mW/g

Maximum value of SAR (measured) = 0.802 mW/g



0 dB = 0.802 mW/g

Test Laboratory: KTL

Firefly W100 Ch.251 Right Cheek Touch

*Test Date : 20/July/2007

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.37 mW/g

Z Scan (1x1x16): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=20\text{mm}$

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

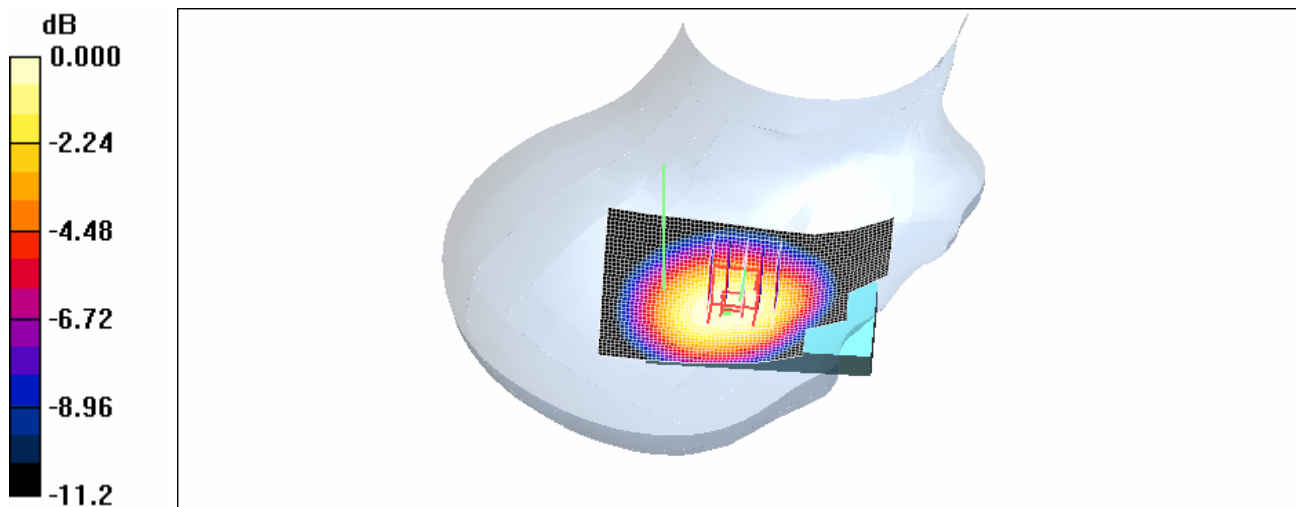
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

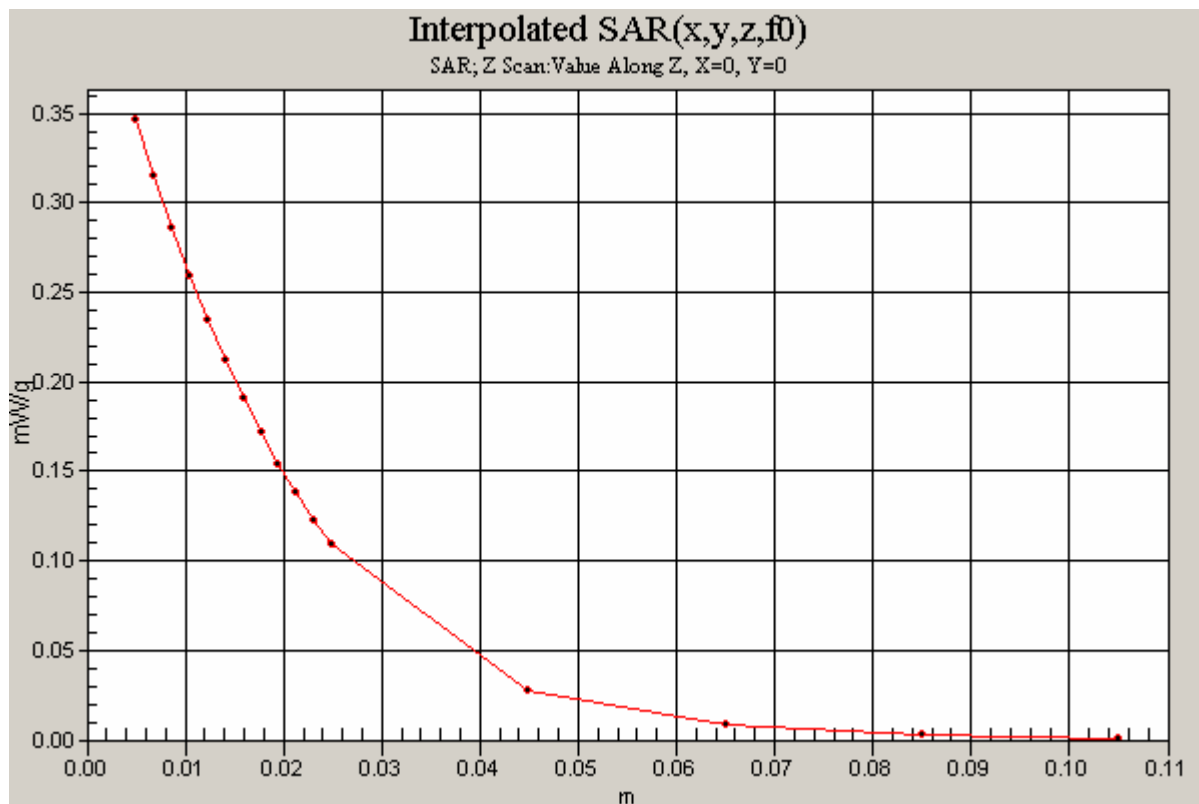
Reference Value = 26.0 V/m ; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.26 mW/g ; SAR(10 g) = 0.851 mW/g

Maximum value of SAR (measured) = 1.31 mW/g





Test Laboratory: KTL

Firefly W100 Ch.251 Right Ear Tilt

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.5, Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.16, 6.16, 6.16); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.823 mW/g

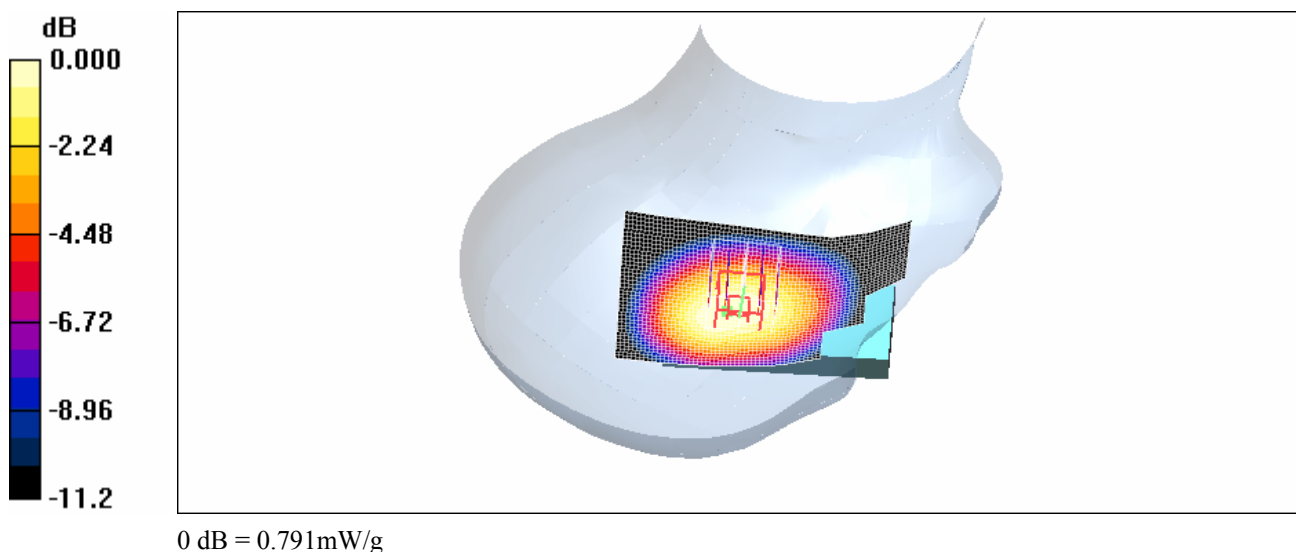
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.2 V/m ; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.747 mW/g ; SAR(10 g) = 0.508 mW/g

Maximum value of SAR (measured) = 0.791 mW/g



Test Laboratory: KTL

Firefly W100 GSM850 Ch128. Body

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.945 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.2, 6.2, 6.2); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.405 mW/g

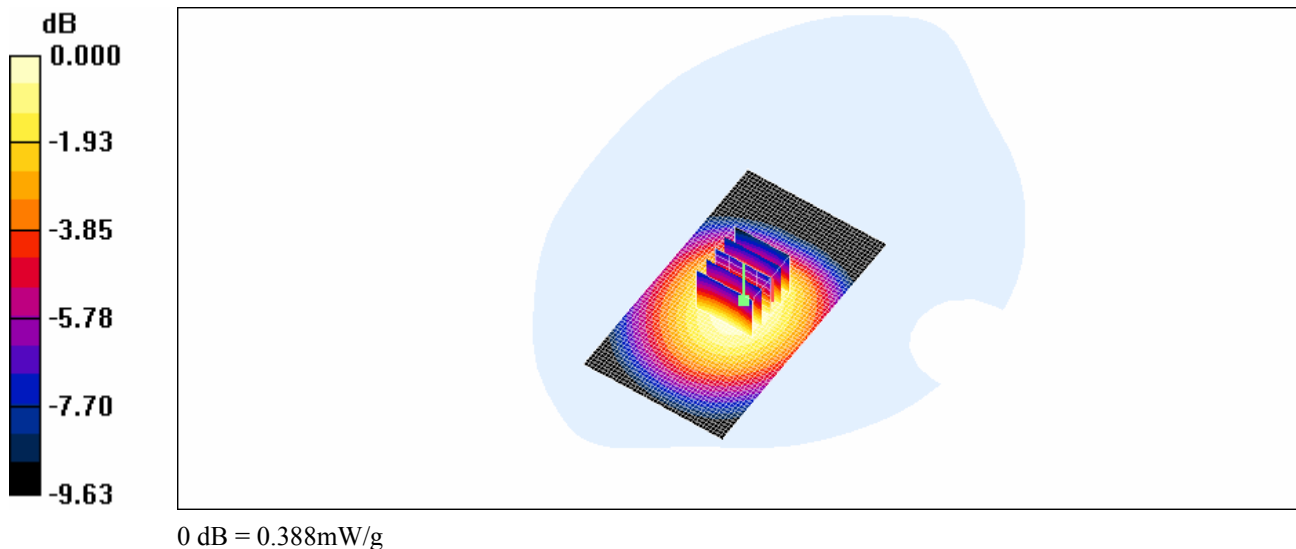
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.11 V/m ; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.367 mW/g ; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 0.388 mW/g



Test Laboratory: KTL

Firefly W100 GSM850 Ch190. Body

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.2, 6.2, 6.2); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.369 mW/g

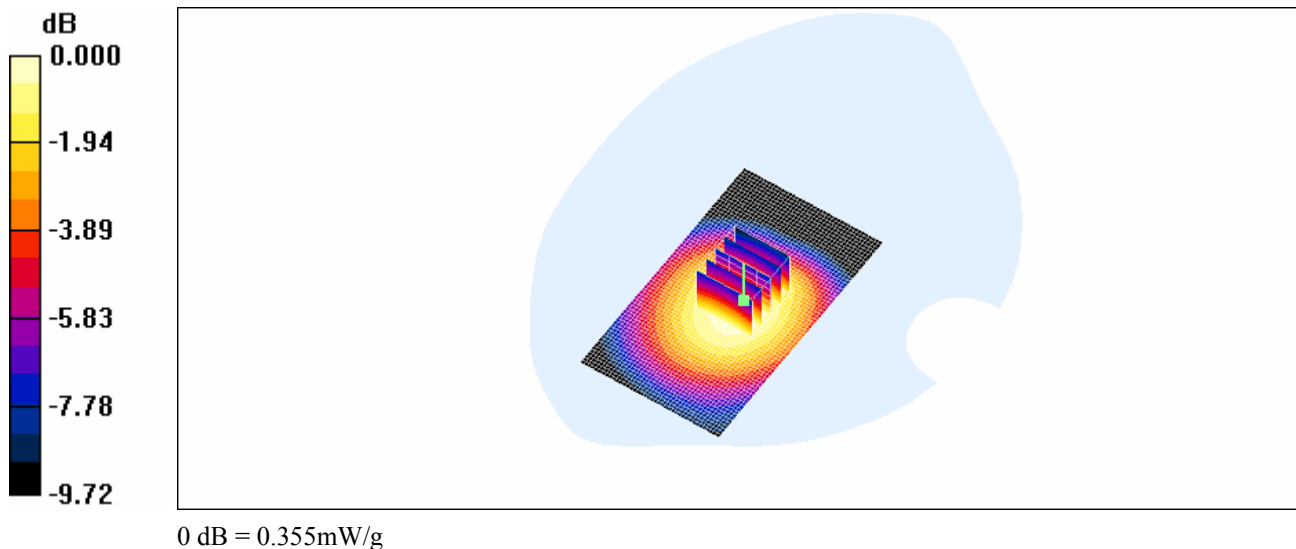
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.50 V/m ; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.336 mW/g ; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 0.355 mW/g



Test Laboratory: KTL

Firefly W100 GSM850 Ch251. Body

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.2, 6.2, 6.2); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.319 mW/g

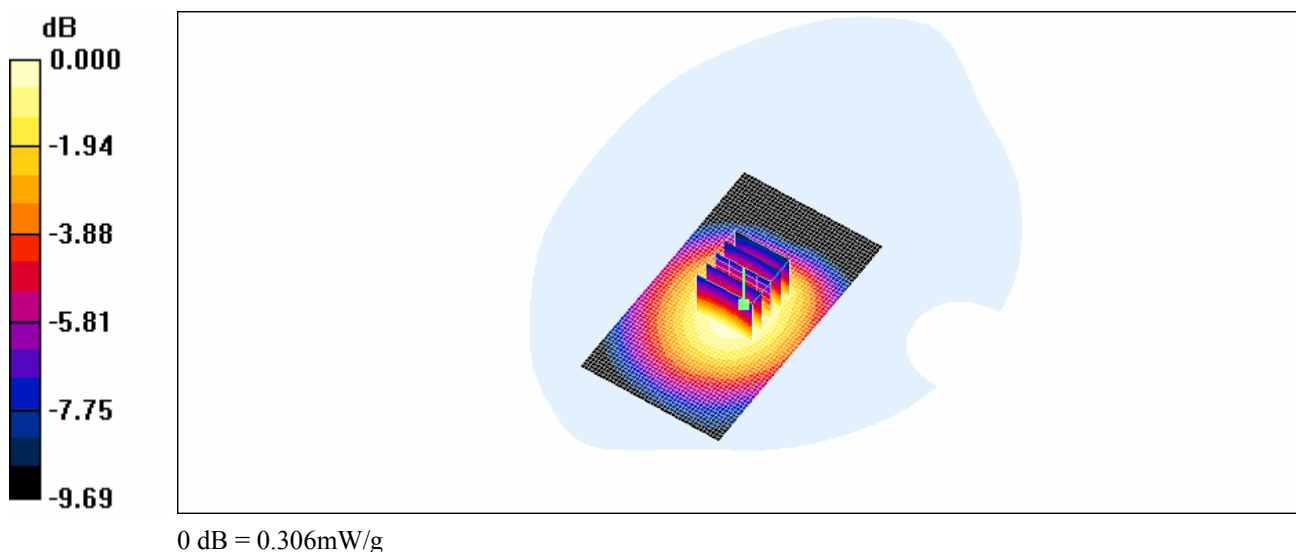
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.70 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.306 mW/g



Test Laboratory: KTL

Firefly W100 GPRS850 Ch128. Body (rear facing phantom)

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium: HSL835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.945$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.2, 6.2, 6.2); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.766 mW/g

Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (interpolated) = 0.093 mW/g

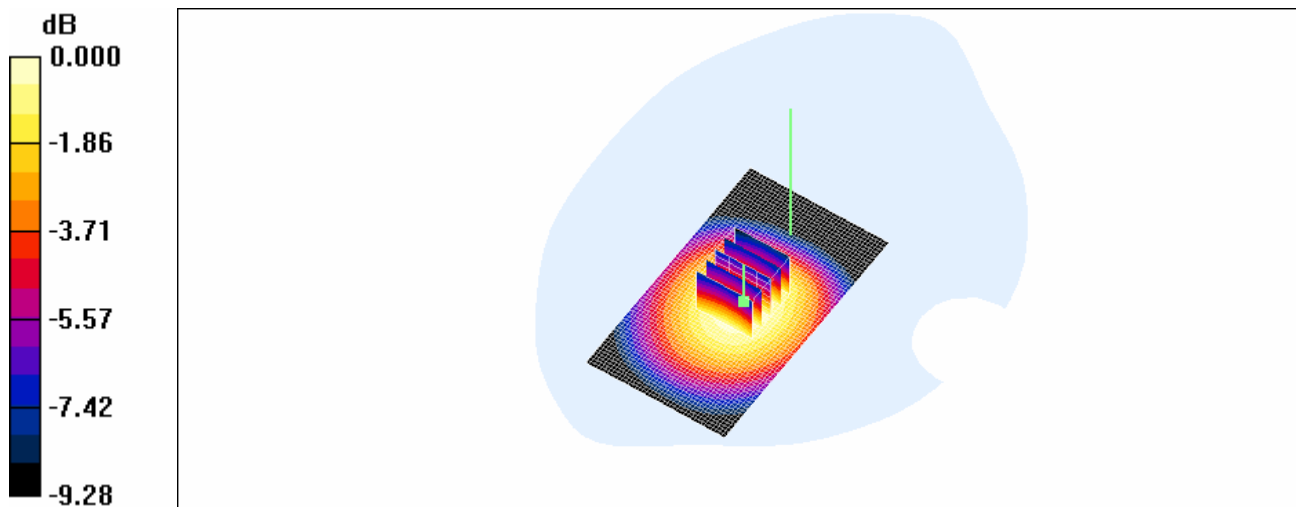
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.023 dB

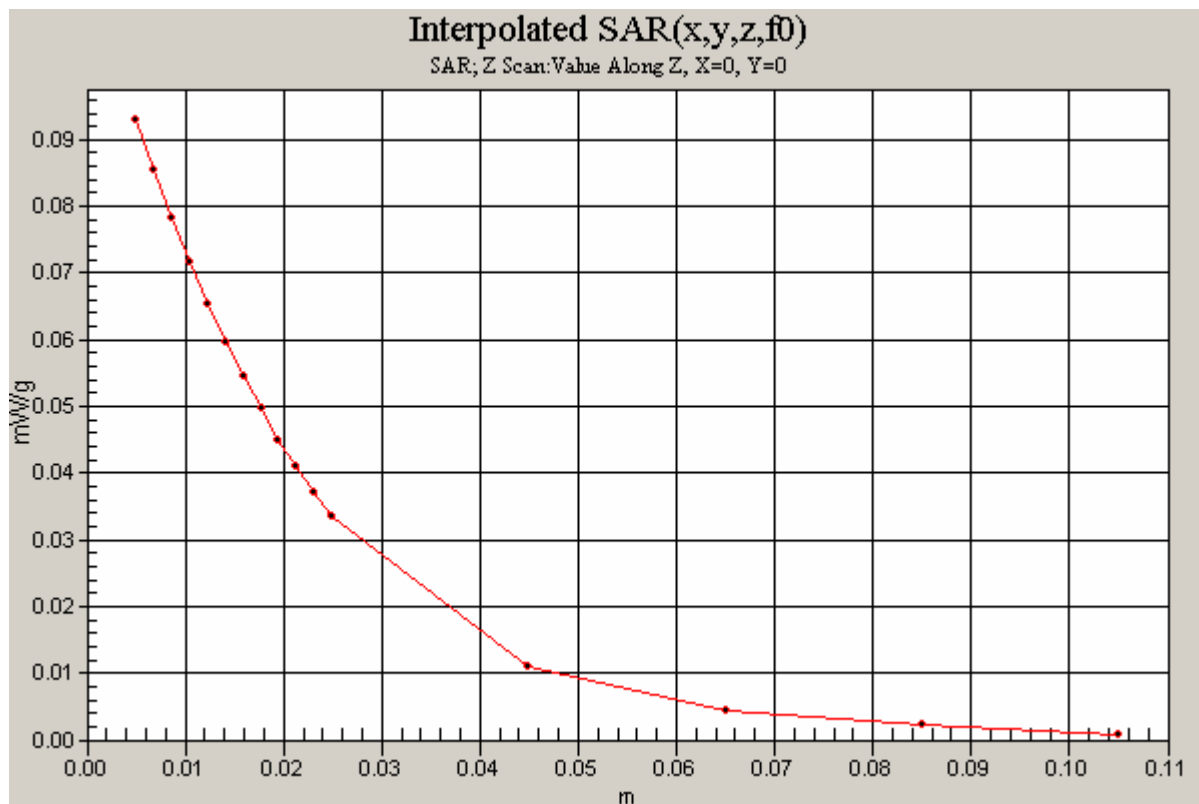
Peak SAR (extrapolated) = 0.907 W/kg

SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.515 mW/g

Maximum value of SAR (measured) = 0.736 mW/g



0 dB = 0.736mW/g



Test Laboratory: KTL

Firefly W100 GPRS850 Ch128. Body (front facing phantom)

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.945 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.2, 6.2, 6.2); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GSM850 Body/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.611 mW/g

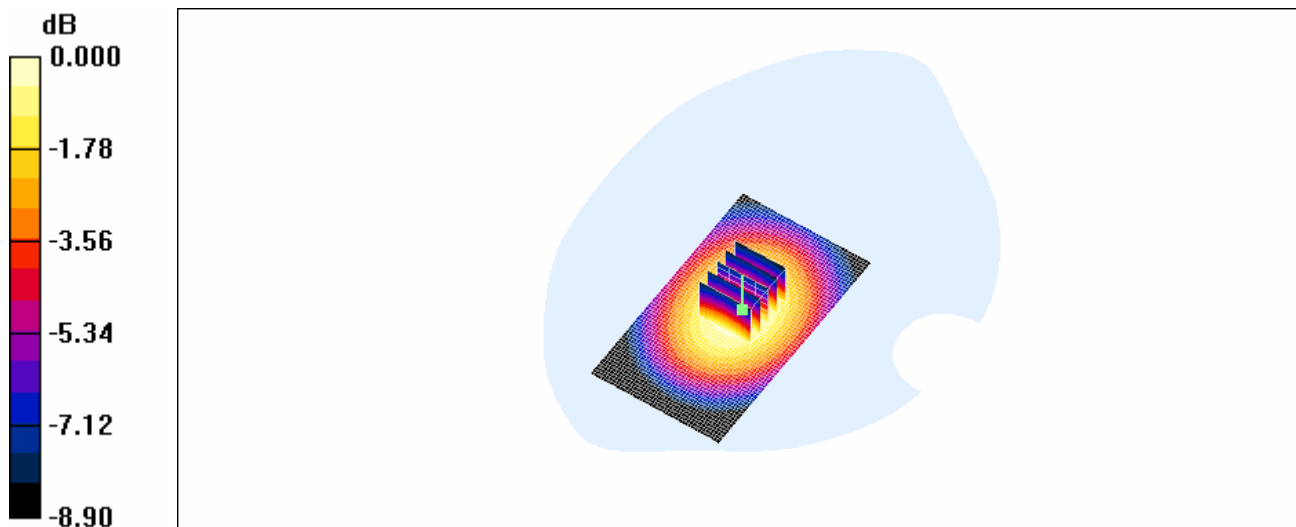
GSM850 Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.7 V/m ; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.574 mW/g ; SAR(10 g) = 0.413 mW/g

Maximum value of SAR (measured) = 0.608 mW/g



0 dB = 0.608 mW/g

Test Laboratory: KTL

Firefly W100 GPRS850 Ch190. Body

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.2, 6.2, 6.2); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.699 mW/g

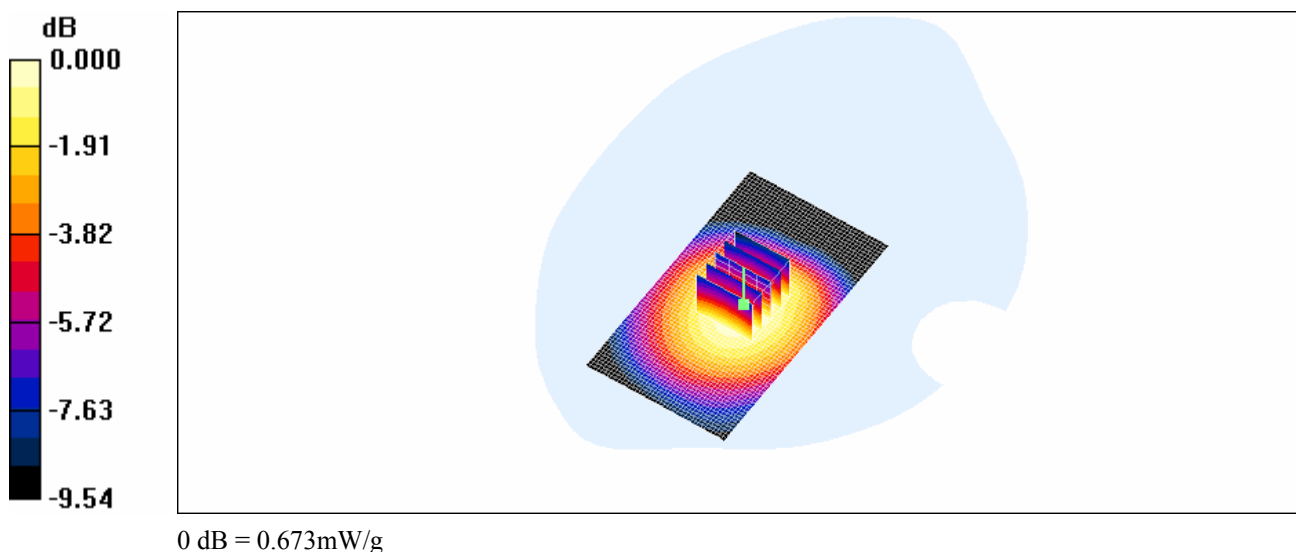
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.4 V/m ; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.636 mW/g ; SAR(10 g) = 0.466 mW/g

Maximum value of SAR (measured) = 0.673 mW/g



Test Laboratory: KTL

Firefly W100 GPRS850 Ch251. Body

***Test Date : 20/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.0

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.971 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.2, 6.2, 6.2); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.611 mW/g

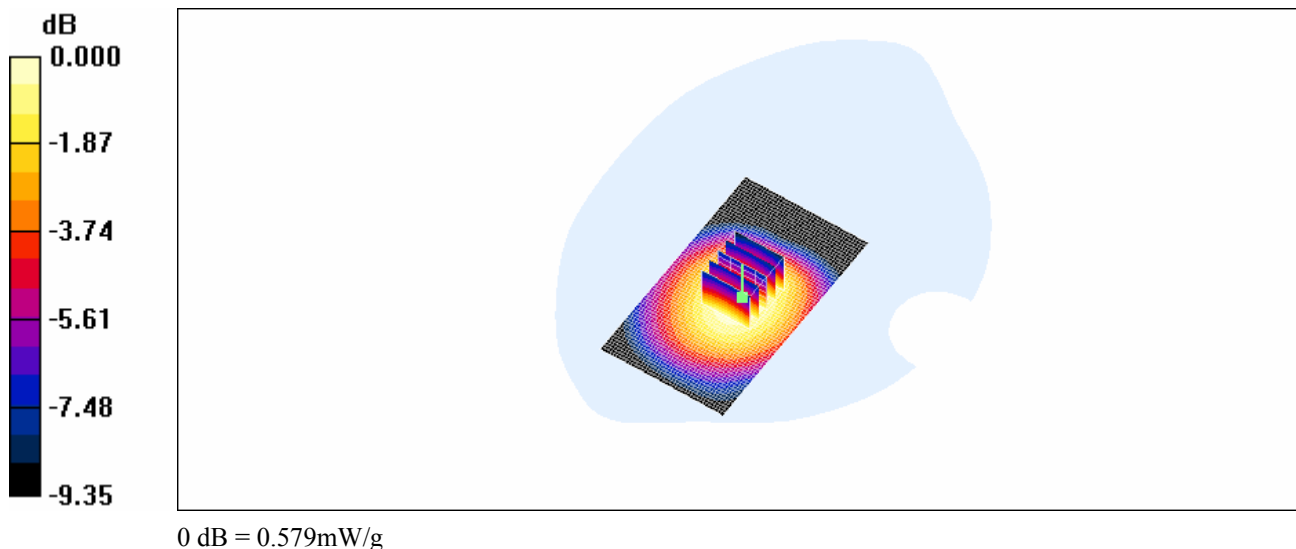
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.6 V/m ; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.709 W/kg

SAR(1 g) = 0.550 mW/g ; SAR(10 g) = 0.402 mW/g

Maximum value of SAR (measured) = 0.579 mW/g



Test Laboratory: KTL

1900MHz Validation - D1900V2; S/N : 5d032

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 11.3 mW/g

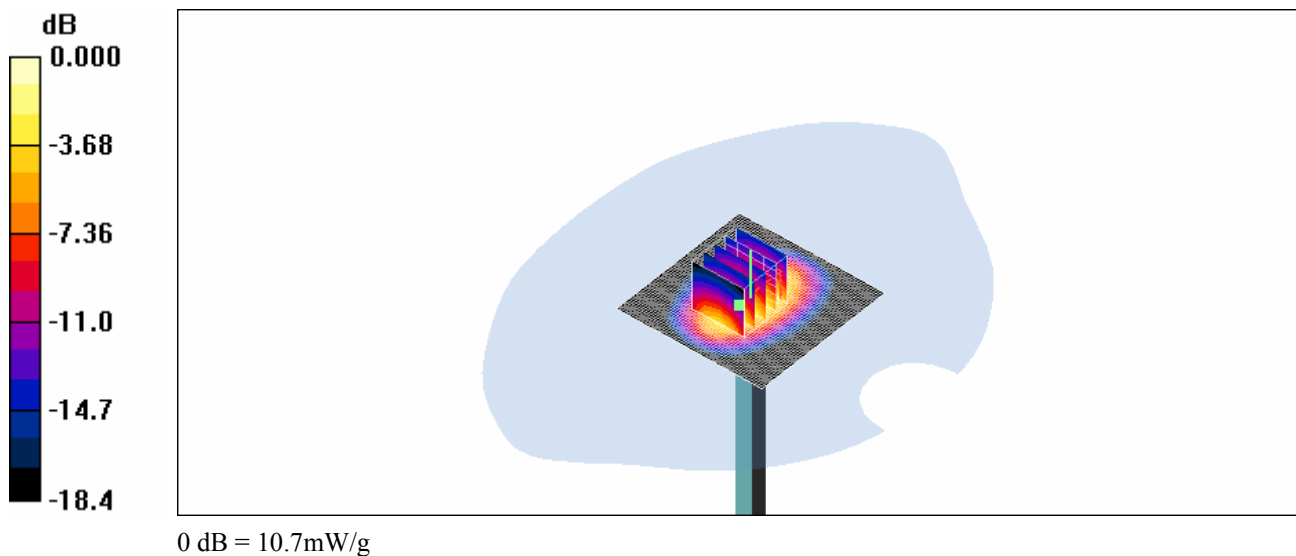
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 93.7 V/m ; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 9.53 mW/g ; SAR(10 g) = 5.05 mW/g .

Maximum value of SAR (measured) = 10.7 mW/g



Test Laboratory: KTL

Firefly W100 Ch.512 LEFT Cheek Touch

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Left Cheek Tilt/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm

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

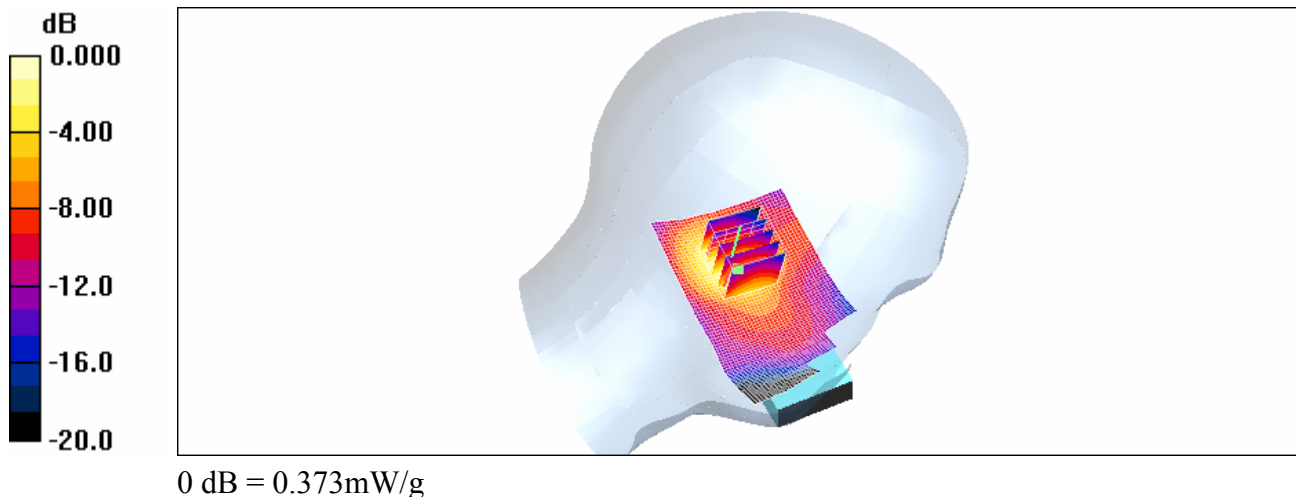
Left Cheek Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.197 mW/g

Maximum value of SAR (measured) = 0.373 mW/g



Test Laboratory: KTL

Firefly W100 Ch.512 LEFT Ear Tilt

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

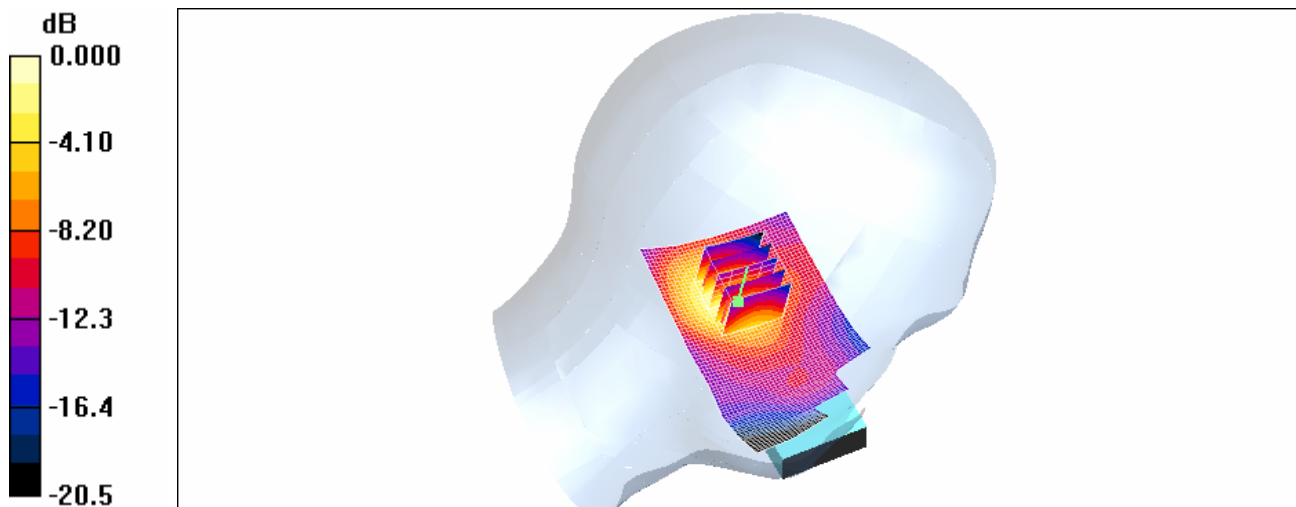
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.9 V/m ; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.272 mW/g ; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.293 mW/g



Test Laboratory: KTL

Firefly W100 Ch.512 RIGHT Cheek Touch

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.418 mW/g

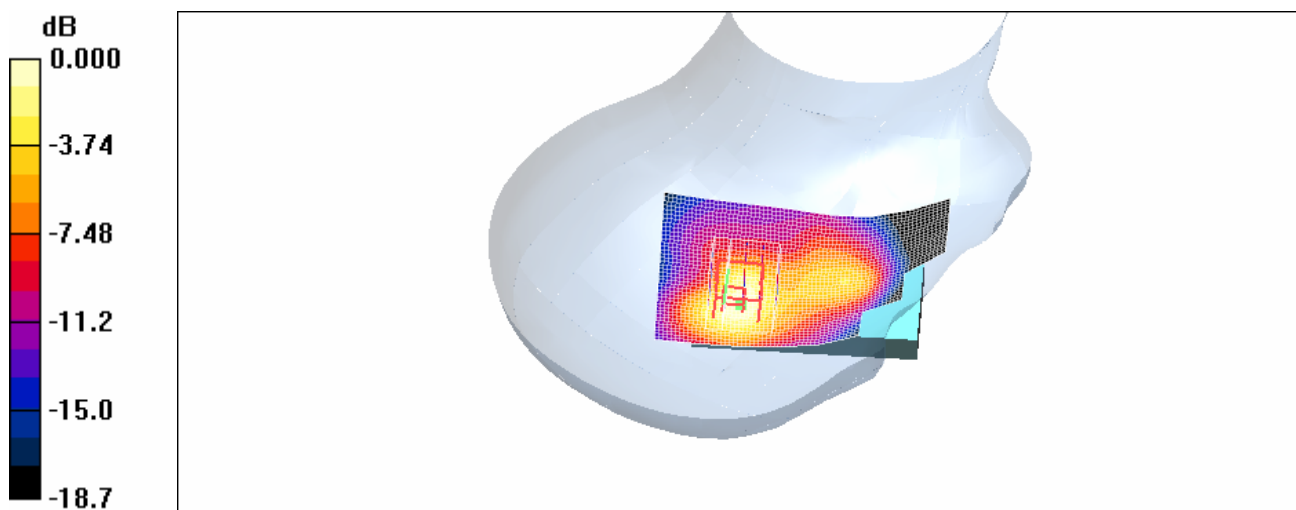
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.3 V/m ; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.694 W/kg

SAR(1 g) = 0.415 mW/g ; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.438 mW/g



Test Laboratory: KTL

Firefly W100 Ch.512 RIGHT Ear Tilt

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.402 mW/g

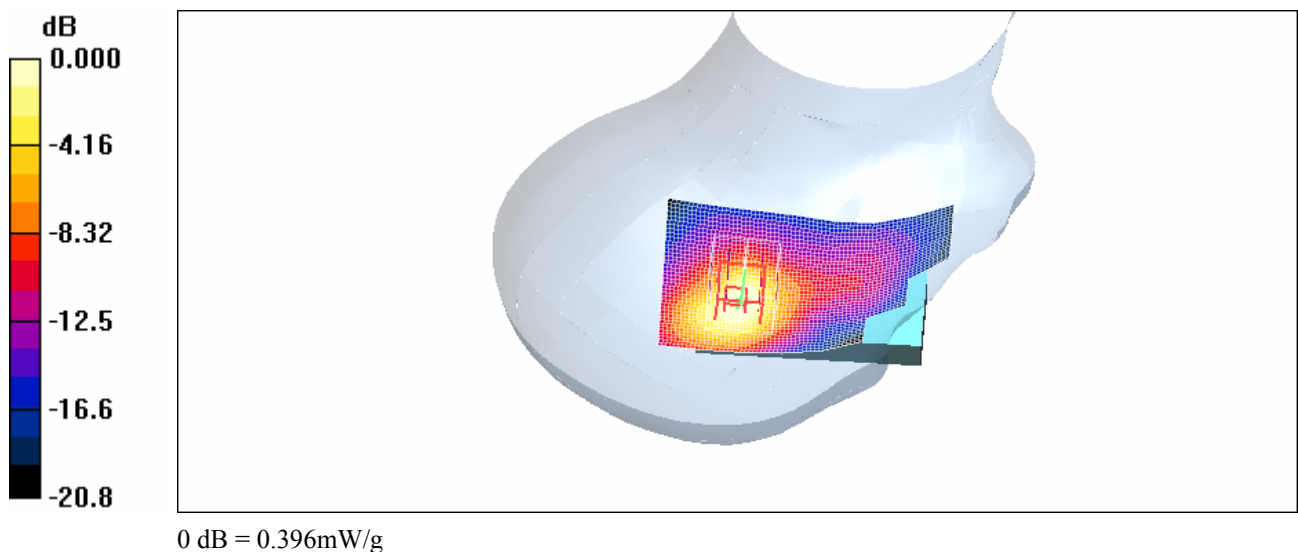
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.2 V/m ; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.589 W/kg

SAR(1 g) = 0.366 mW/g ; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.396 mW/g



Test Laboratory: KTL

Firefly W100 Ch.661 LEFT Cheek Touch

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

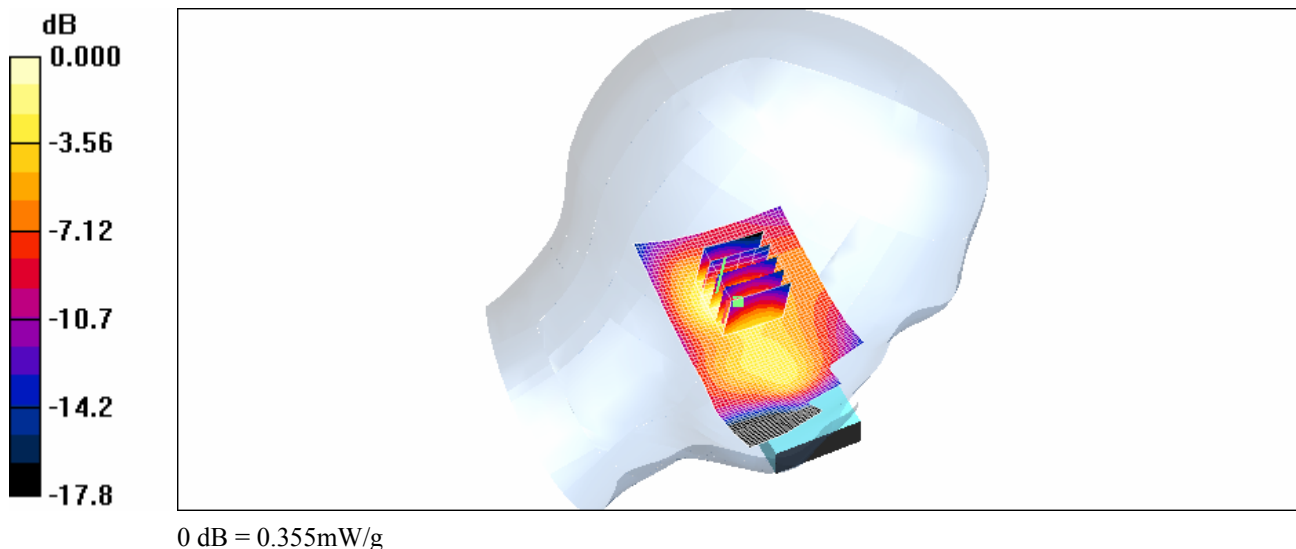
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.7 V/m ; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.539 W/kg

SAR(1 g) = 0.344 mW/g ; SAR(10 g) = 0.197 mW/g

Maximum value of SAR (measured) = 0.355 mW/g



Test Laboratory: KTL

Firefly W100 Ch.661 LEFT Ear Tilt

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.330 mW/g

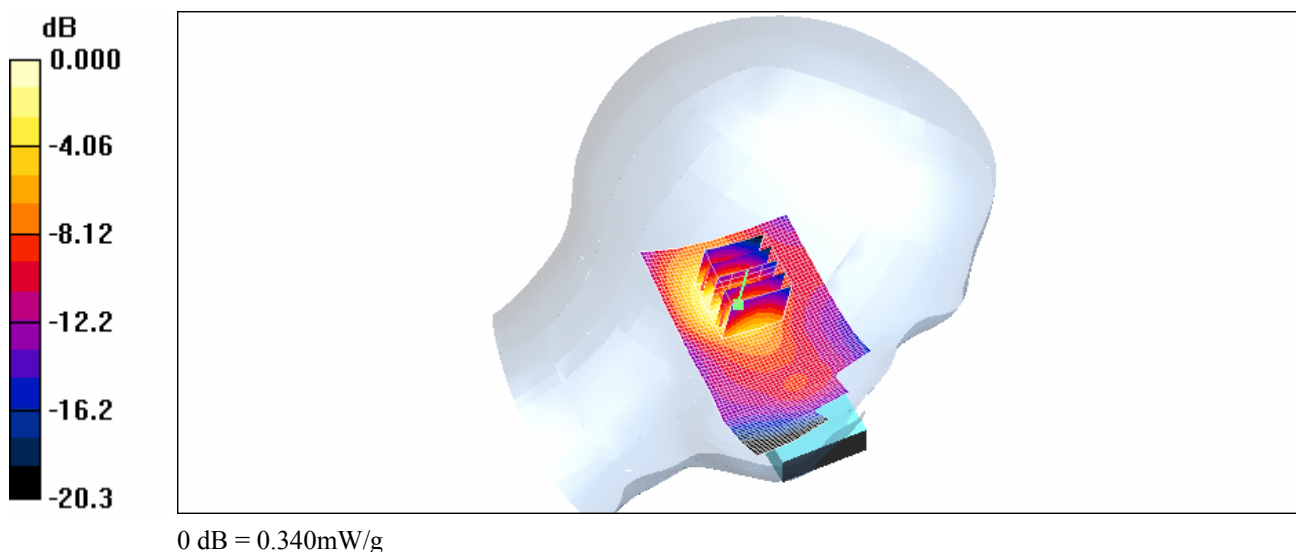
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.1 V/m ; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.504 W/kg

SAR(1 g) = 0.314 mW/g ; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.340 mW/g



Test Laboratory: KTL

Firefly W100 Ch.661 RIGHT Cheek Touch

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.553 mW/g

Z Scan (1x1x16): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=20\text{mm}$

Maximum value of SAR (interpolated) = 0.053 mW/g

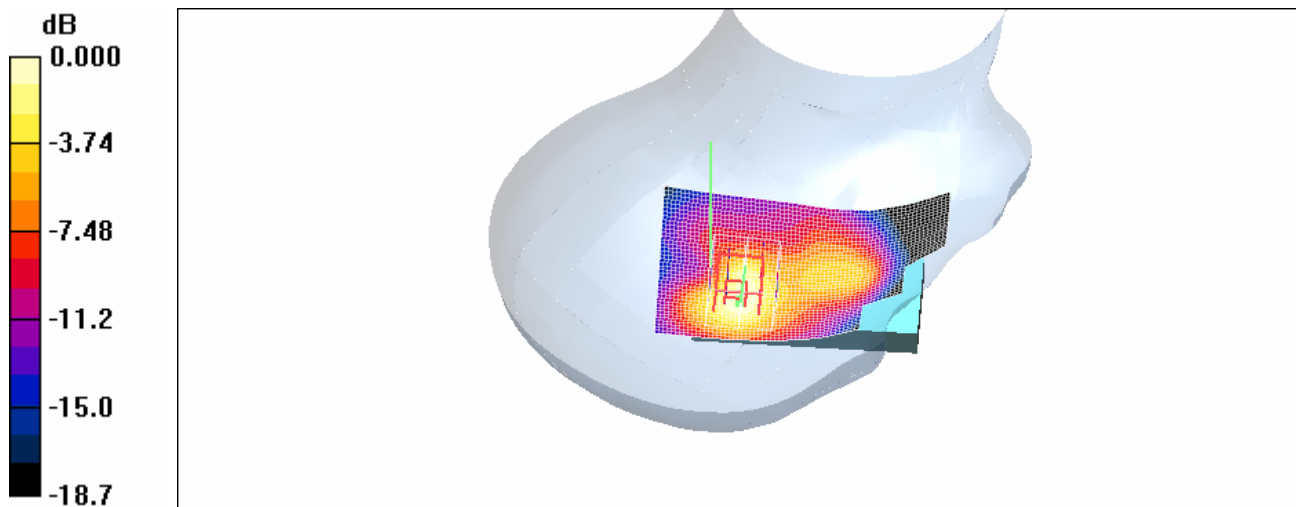
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.6 V/m ; Power Drift = 0.081 dB

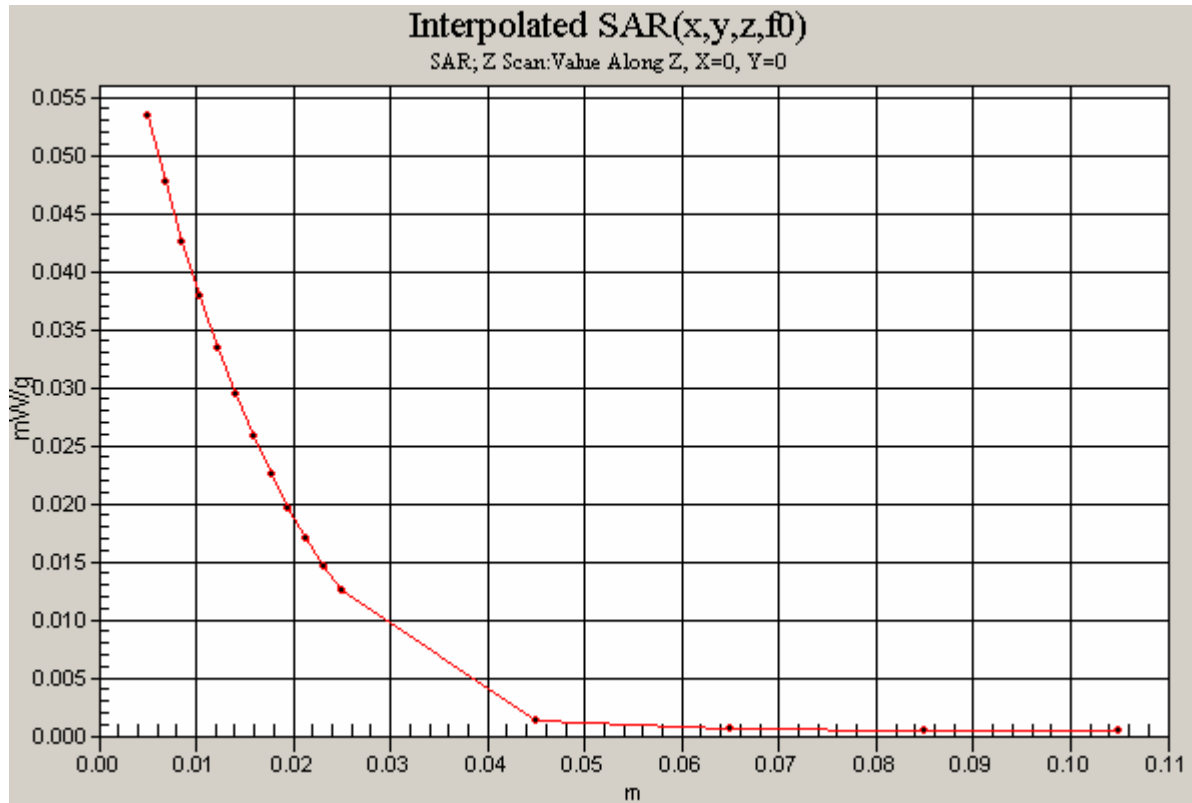
Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.546 mW/g ; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.574 mW/g



0 dB = 0.574 mW/g



Test Laboratory: KTL

Firefly W100 Ch.661 RIGHT Ear Tilt

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.510 mW/g

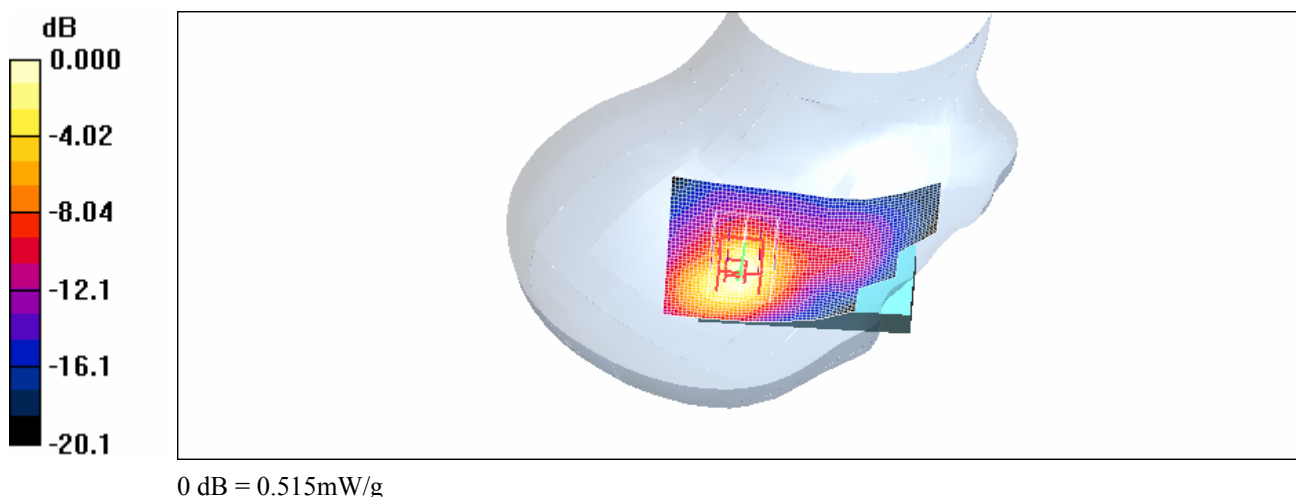
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.5 V/m ; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.769 W/kg

SAR(1 g) = 0.474 mW/g ; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.515 mW/g



Test Laboratory: KTL

Firefly W100 Ch.810 LEFT Cheek Touch

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.429 mW/g

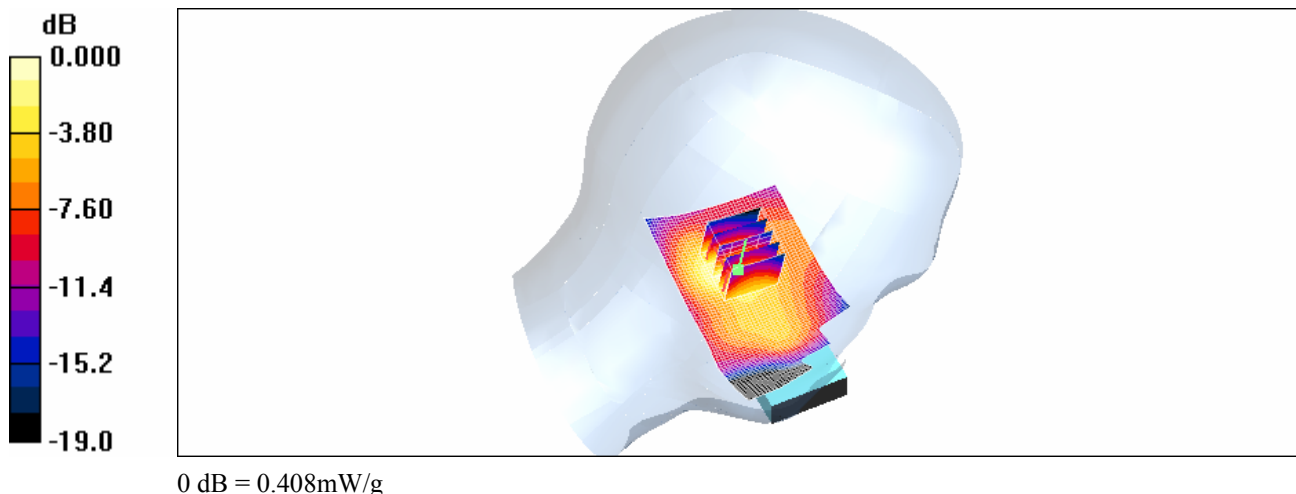
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.0 V/m ; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.388 mW/g ; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.408 mW/g



Test Laboratory: KTL

Firefly W100 Ch.810 LEFT Ear Tilt

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.371 mW/g

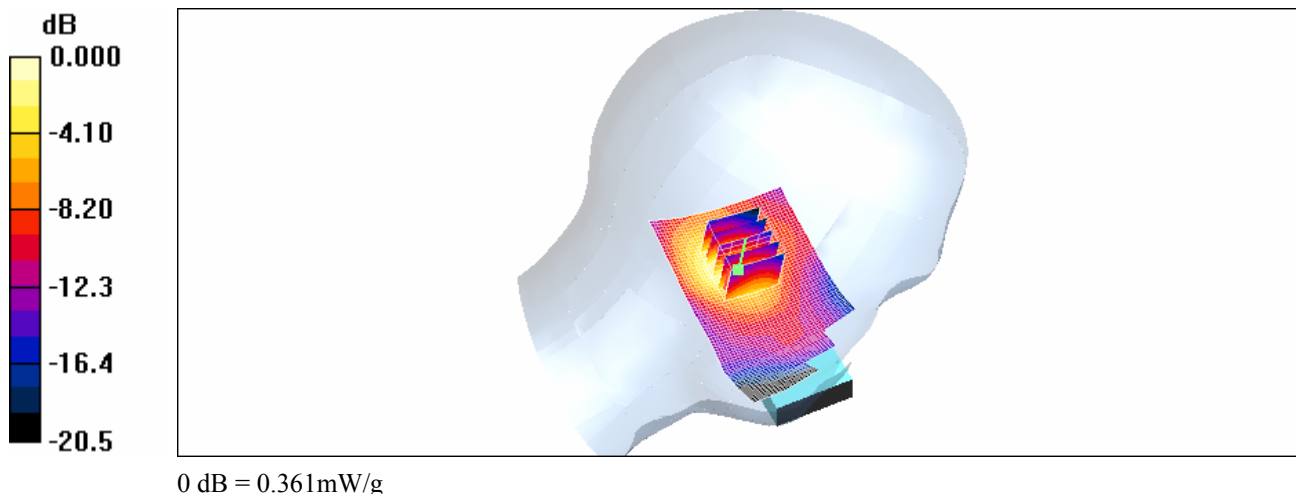
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.2 V/m ; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.560 W/kg

SAR(1 g) = 0.343 mW/g ; SAR(10 g) = 0.189 mW/g

Maximum value of SAR (measured) = 0.361 mW/g



Test Laboratory: KTL

Firefly W100 Ch.810 RIGHT Cheek Touch

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.499 mW/g

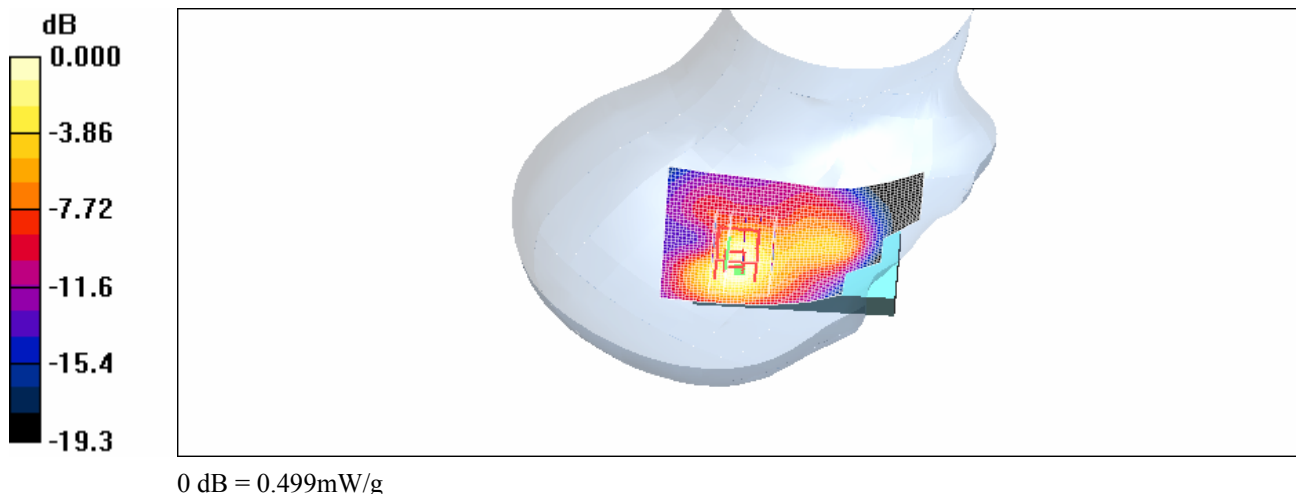
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.81 V/m ; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.818 W/kg

SAR(1 g) = 0.478 mW/g ; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 0.499 mW/g



Test Laboratory: KTL

Firefly W100 Ch.810 RIGHT Ear Tilt

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.5 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.426 mW/g

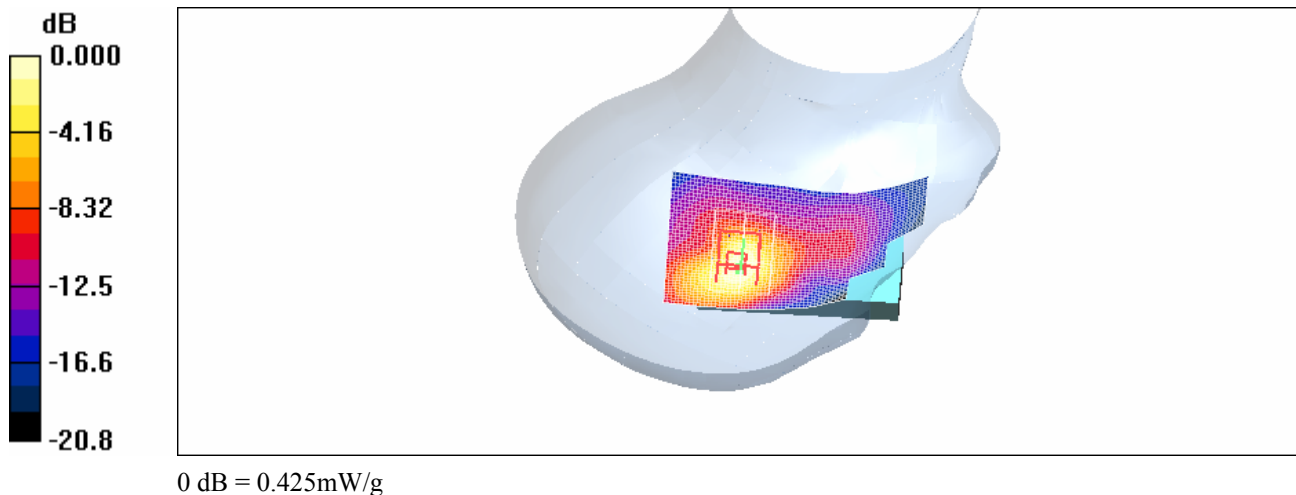
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.81 V/m ; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.393 mW/g ; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 0.425 mW/g



Test Laboratory: KTL

Firefly W100 PCS1900 Ch.512 Body

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.5, 4.5, 4.5); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.104 mW/g

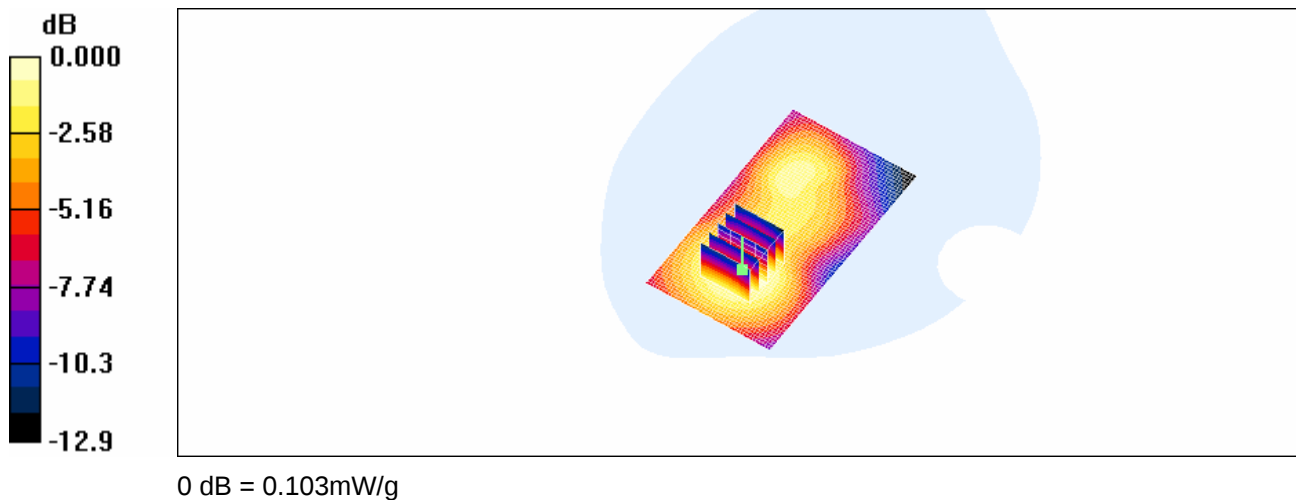
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.66 V/m ; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.097 mW/g ; SAR(10 g) = 0.065 mW/g

Maximum value of SAR (measured) = 0.103 mW/g



Test Laboratory: KTL

Firefly W100 PCS1900 Ch.661 Body

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.5, 4.5, 4.5); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.149 mW/g

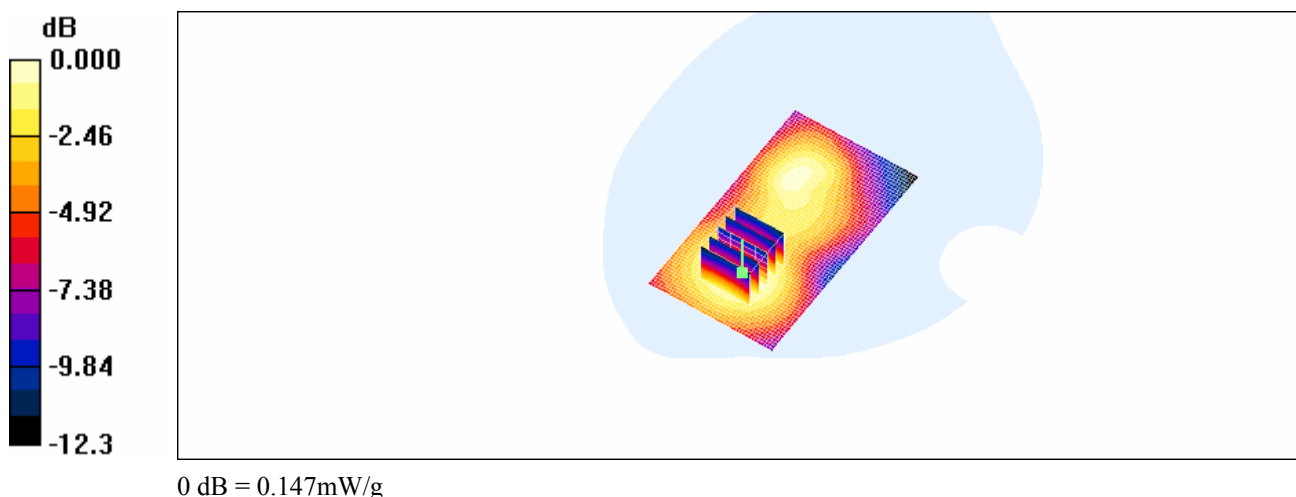
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.58 V/m ; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.138 mW/g ; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.147 mW/g



Test Laboratory: KTL

Firefly W100 PCS1900 Ch.810 Body

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.5, 4.5, 4.5); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.101 mW/g

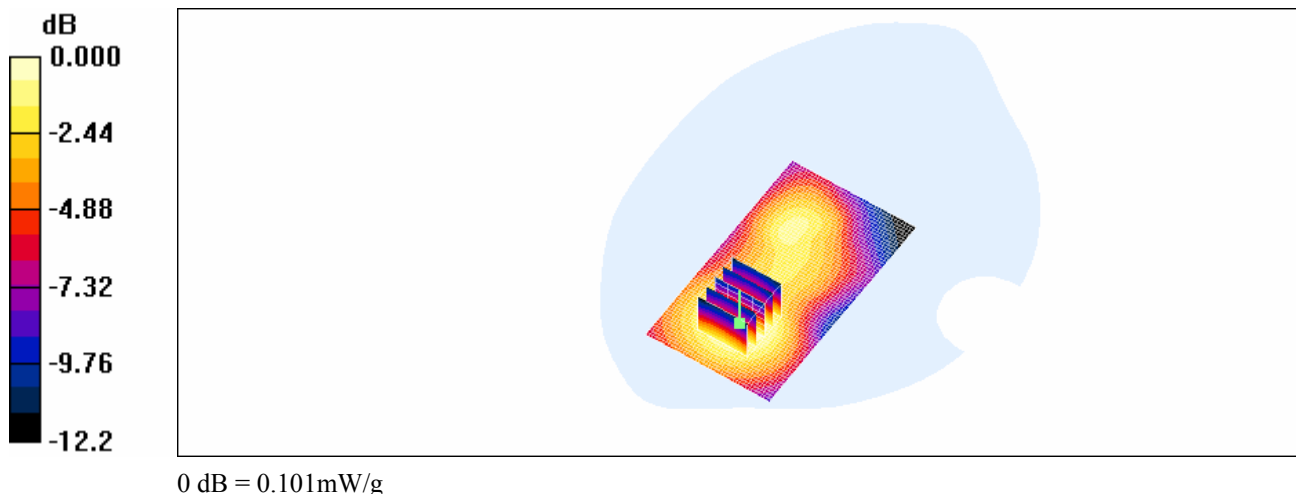
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.49 V/m ; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.131 W/kg

SAR(1 g) = 0.094 mW/g ; SAR(10 g) = 0.064 mW/g

Maximum value of SAR (measured) = 0.101 mW/g



Test Laboratory: KTL

Firefly W100 GPRS1900 Ch.512 Body

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.5, 4.5, 4.5); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.198 mW/g

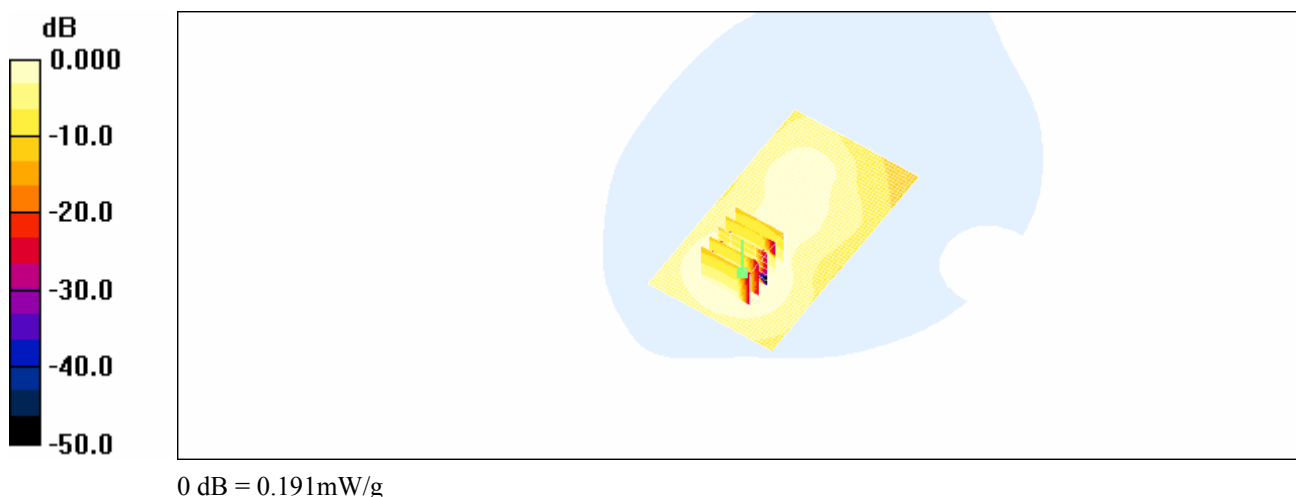
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.04 V/m ; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.216 mW/g ; SAR(10 g) = 0.130 mW/g

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



Test Laboratory: KTL

Firefly W100 GPRS1900 Ch.661 Body

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.5, 4.5, 4.5); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.287 mW/g

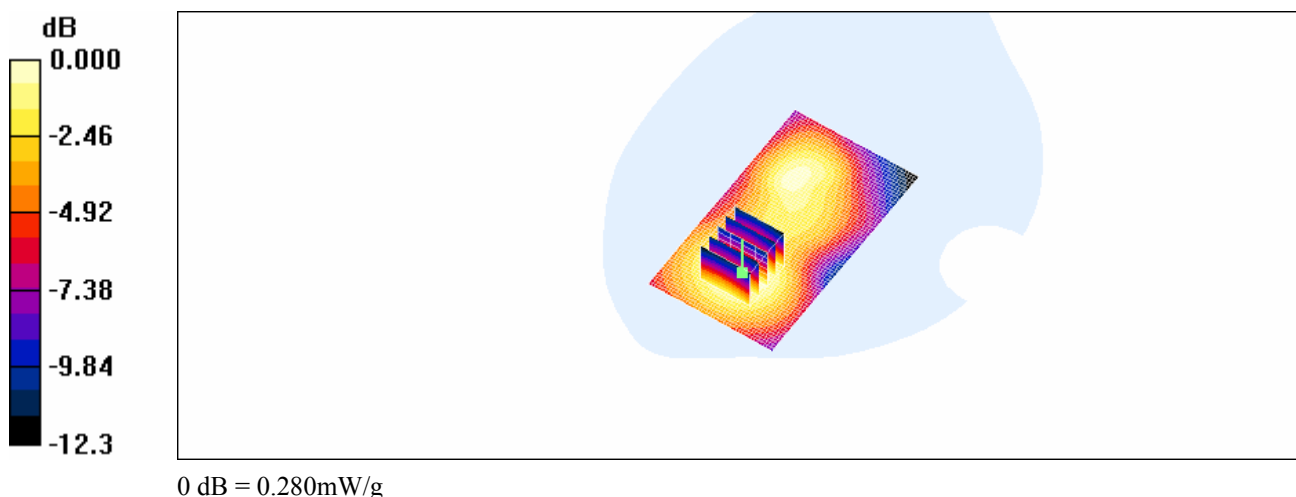
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.7 V/m ; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.262 mW/g ; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.280 mW/g



Test Laboratory: KTL

Firefly W100 GPRS1900 Ch.810 Body (reat facing phantom)

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.5, 4.5, 4.5); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.341 mW/g

Z Scan (1x1x16): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=20\text{mm}$

Maximum value of SAR (interpolated) = 0.129 mW/g

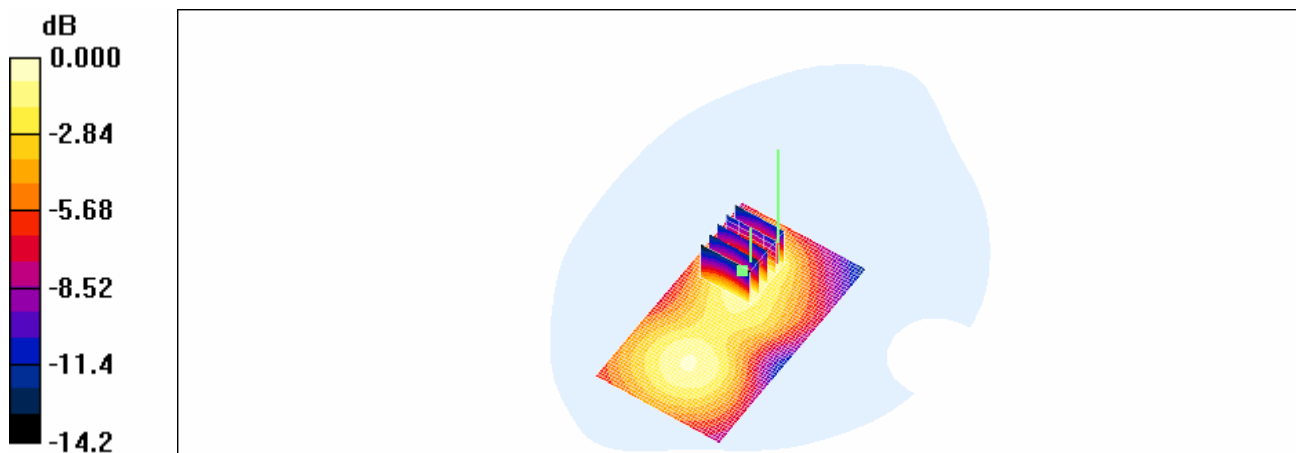
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.5 V/m ; Power Drift = -0.060 dB

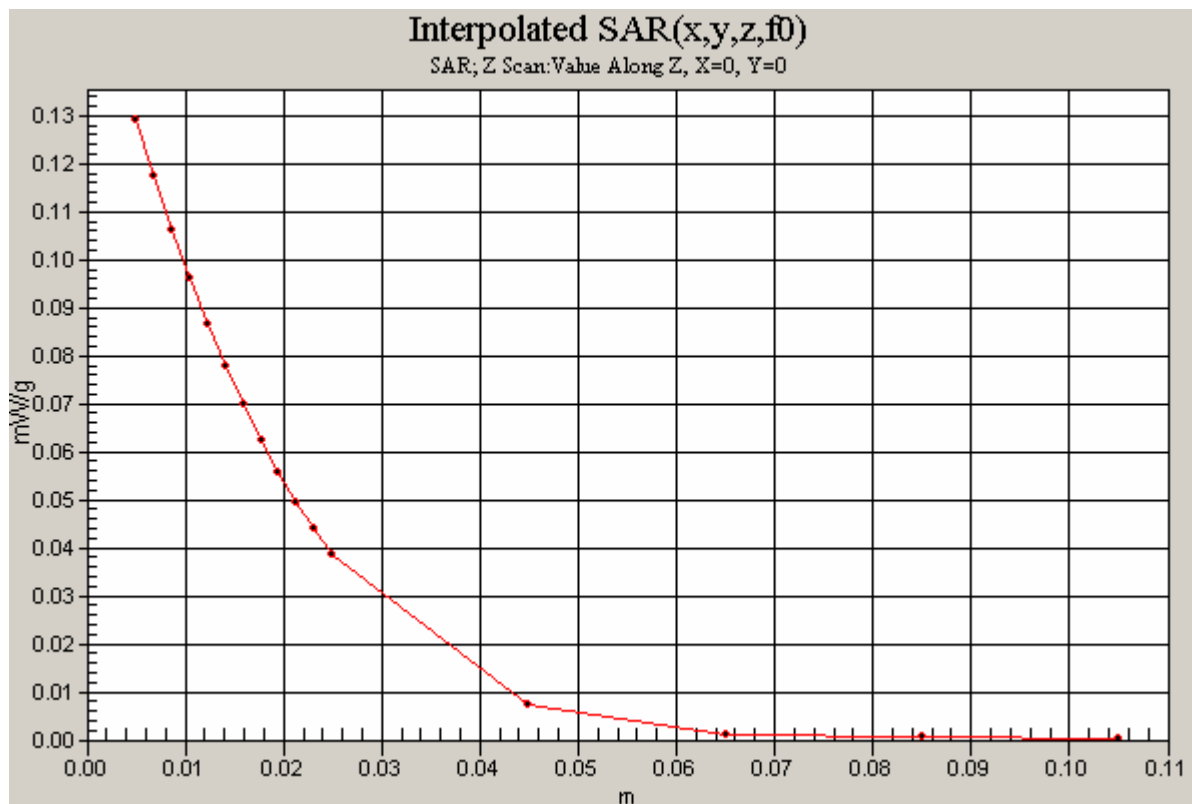
Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.326 mW/g ; SAR(10 g) = 0.204 mW/g

Maximum value of SAR (measured) = 0.348 mW/g



0 dB = 0.348 mW/g



Test Laboratory: KTL

Firefly W100 GPRS1900 Ch.810 Body (front facing phantom)

***Test Date : 23/July/2007**

Measured Liquid Temperature(°C) : 22.0 , Ambient Temperature(°C) : 21.5

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.5, 4.5, 4.5); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

PCS1900 Body 2/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.317 mW/g

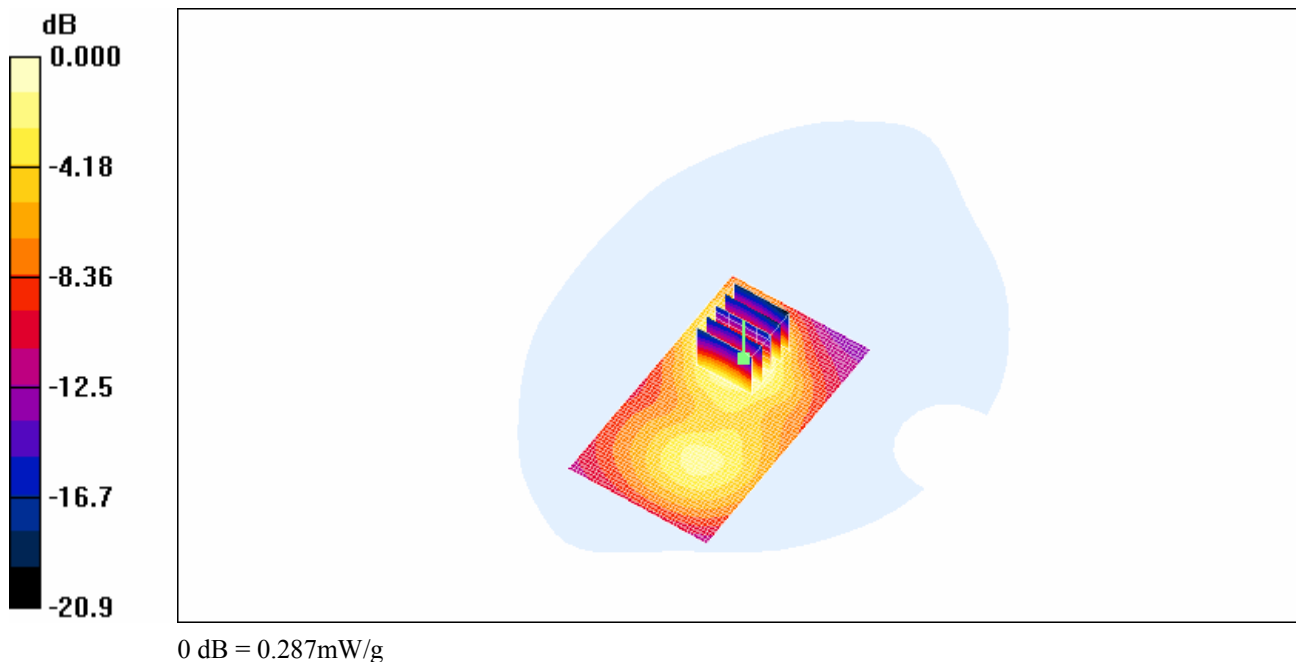
PCS1900 Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.7 V/m ; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.261 mW/g ; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.287 mW/g



Title

SubTitle

19.550 ϵ''

July 23, 2007
08:15 PM

19.450

19.350

19.250

19.150

19.050

824. MHz

915. MHz

< Memory 1



Title

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July 23, 2007
08:15 PM



Title

SubTitle

July 23, 2007 08:15 PM

Frequency	e'	e''
824.000000 MHz	42.0004	19.3889
825.000000 MHz	41.9900	19.3965
826.000000 MHz	41.9895	19.4012
827.000000 MHz	41.9441	19.3974
828.000000 MHz	41.9256	19.3754
829.000000 MHz	41.9154	19.3829
830.000000 MHz	41.9123	19.3778
831.000000 MHz	41.8786	19.3391
832.000000 MHz	41.8600	19.3913
833.000000 MHz	41.8863	19.3780
834.000000 MHz	41.8638	19.3784
835.000000 MHz	41.8608	19.3733
836.000000 MHz	41.8231	19.3570
837.000000 MHz	41.8452	19.3660
838.000000 MHz	41.8104	19.3594
839.000000 MHz	41.8297	19.3586
840.000000 MHz	41.7694	19.3541
841.000000 MHz	41.7341	19.3635
842.000000 MHz	41.7507	19.3529
843.000000 MHz	41.7163	19.3465
844.000000 MHz	41.7329	19.3359
845.000000 MHz	41.6902	19.3736
846.000000 MHz	41.6925	19.3306
847.000000 MHz	41.6589	19.3448
848.000000 MHz	41.6750	19.3137
849.000000 MHz	41.6855	19.3361
850.000000 MHz	41.6521	19.3140
851.000000 MHz	41.6345	19.3288
852.000000 MHz	41.6170	19.3436
853.000000 MHz	41.6132	19.3338
854.000000 MHz	41.6081	19.3192
855.000000 MHz	41.5976	19.3216
856.000000 MHz	41.5795	19.3159
857.000000 MHz	41.5629	19.3150
858.000000 MHz	41.5444	19.3249
859.000000 MHz	41.5360	19.3165
860.000000 MHz	41.5454	19.3338
861.000000 MHz	41.5560	19.3199
862.000000 MHz	41.5335	19.3156
863.000000 MHz	41.5273	19.3322
864.000000 MHz	41.5103	19.3110
865.000000 MHz	41.5062	19.3167
866.000000 MHz	41.4928	19.3610

867.000000 MHz	41.4523	19.3466
868.000000 MHz	41.4483	19.3522
869.000000 MHz	41.4295	19.3418
870.000000 MHz	41.4295	19.3260
871.000000 MHz	41.4018	19.2673
872.000000 MHz	41.4764	19.2807
873.000000 MHz	41.4557	19.2811
874.000000 MHz	41.4780	19.2893
875.000000 MHz	41.4651	19.2469
876.000000 MHz	41.4780	19.2578
877.000000 MHz	41.4640	19.2461
878.000000 MHz	41.4731	19.2783
879.000000 MHz	41.3979	19.2645
880.000000 MHz	41.4109	19.2753
881.000000 MHz	41.3982	19.2331
882.000000 MHz	41.3860	19.2613
883.000000 MHz	41.3511	19.2459
884.000000 MHz	41.3494	19.2408
885.000000 MHz	41.3477	19.2358
886.000000 MHz	41.3249	19.2270
887.000000 MHz	41.3195	19.2431
888.000000 MHz	41.2940	19.2251
889.000000 MHz	41.3098	19.2449
890.000000 MHz	41.2790	19.2086
891.000000 MHz	41.2894	19.2100
892.000000 MHz	41.2851	19.1958
893.000000 MHz	41.2685	19.1903
894.000000 MHz	41.2693	19.2095
895.000000 MHz	41.2455	19.1962
896.000000 MHz	41.2368	19.1834
897.000000 MHz	41.2157	19.1793
898.000000 MHz	41.2249	19.1761
899.000000 MHz	41.2021	19.1824
900.000000 MHz	41.2126	19.1838
901.000000 MHz	41.1931	19.1842
902.000000 MHz	41.1864	19.1610
903.000000 MHz	41.1815	19.1769
904.000000 MHz	41.1567	19.1591
905.000000 MHz	41.1554	19.1541
906.000000 MHz	41.1303	19.1514
907.000000 MHz	41.1219	19.1387
908.000000 MHz	41.1023	19.1540
909.000000 MHz	41.0732	19.1378
910.000000 MHz	41.0893	19.1571
911.000000 MHz	41.0769	19.1309
912.000000 MHz	41.0682	19.1332
913.000000 MHz	41.0623	19.1443

914.000000 MHz	40.9989	19.1435
915.000000 MHz	41.0061	19.1654

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Frequency	e'	e''
800.000000 MHz	53.3871	20.7256
800.972940 MHz	53.3897	20.7038
801.945880 MHz	53.3742	20.7278
802.918821 MHz	53.3755	20.7347
803.891761 MHz	53.3330	20.7455
804.864701 MHz	53.3374	20.7287
805.843557 MHz	53.3423	20.7455
806.822414 MHz	53.3196	20.7157
807.801270 MHz	53.3411	20.7154
808.780127 MHz	53.3150	20.6757
809.758983 MHz	53.2735	20.7199
810.743792 MHz	53.2850	20.7231
811.728601 MHz	53.2960	20.6928
812.713410 MHz	53.2608	20.6901
813.698219 MHz	53.2425	20.7037
814.683027 MHz	53.2506	20.6969
815.673825 MHz	53.2354	20.6871
816.664622 MHz	53.2435	20.6803
817.655419 MHz	53.2304	20.6921
818.646217 MHz	53.1871	20.6812
819.637014 MHz	53.1906	20.6926
820.633836 MHz	53.1855	20.6794
821.630658 MHz	53.1776	20.6893
822.627481 MHz	53.1771	20.6578
823.624303 MHz	53.1229	20.6621
824.621125 MHz	53.1347	20.6650
825.624009 MHz	53.1465	20.6679
826.626893 MHz	53.1185	20.6518
827.629776 MHz	53.1241	20.6680
828.632660 MHz	53.0703	20.6722
829.635544 MHz	53.0823	20.6750
830.644526 MHz	53.0907	20.6680
831.653508 MHz	53.0657	20.6290
832.662491 MHz	53.0353	20.6360
833.671473 MHz	53.0341	20.6325
834.680455 MHz	53.0100	20.6263
835.695573 MHz	53.0256	20.6387
836.710690 MHz	53.0266	20.6563
837.725808 MHz	53.0299	20.6347
838.740926 MHz	53.0140	20.6202
839.756043 MHz	52.9756	20.6192
840.777334 MHz	52.9326	20.6199
841.798624 MHz	52.9509	20.6094

842.819915 MHz	52.9343	20.6224
843.841205 MHz	52.9334	20.6189
844.862496 MHz	52.9290	20.6057
845.889997 MHz	52.9186	20.6055
846.917498 MHz	52.8982	20.5928
847.944998 MHz	52.8944	20.5957
848.972499 MHz	52.8919	20.5873
850.000000 MHz	52.8830	20.5759

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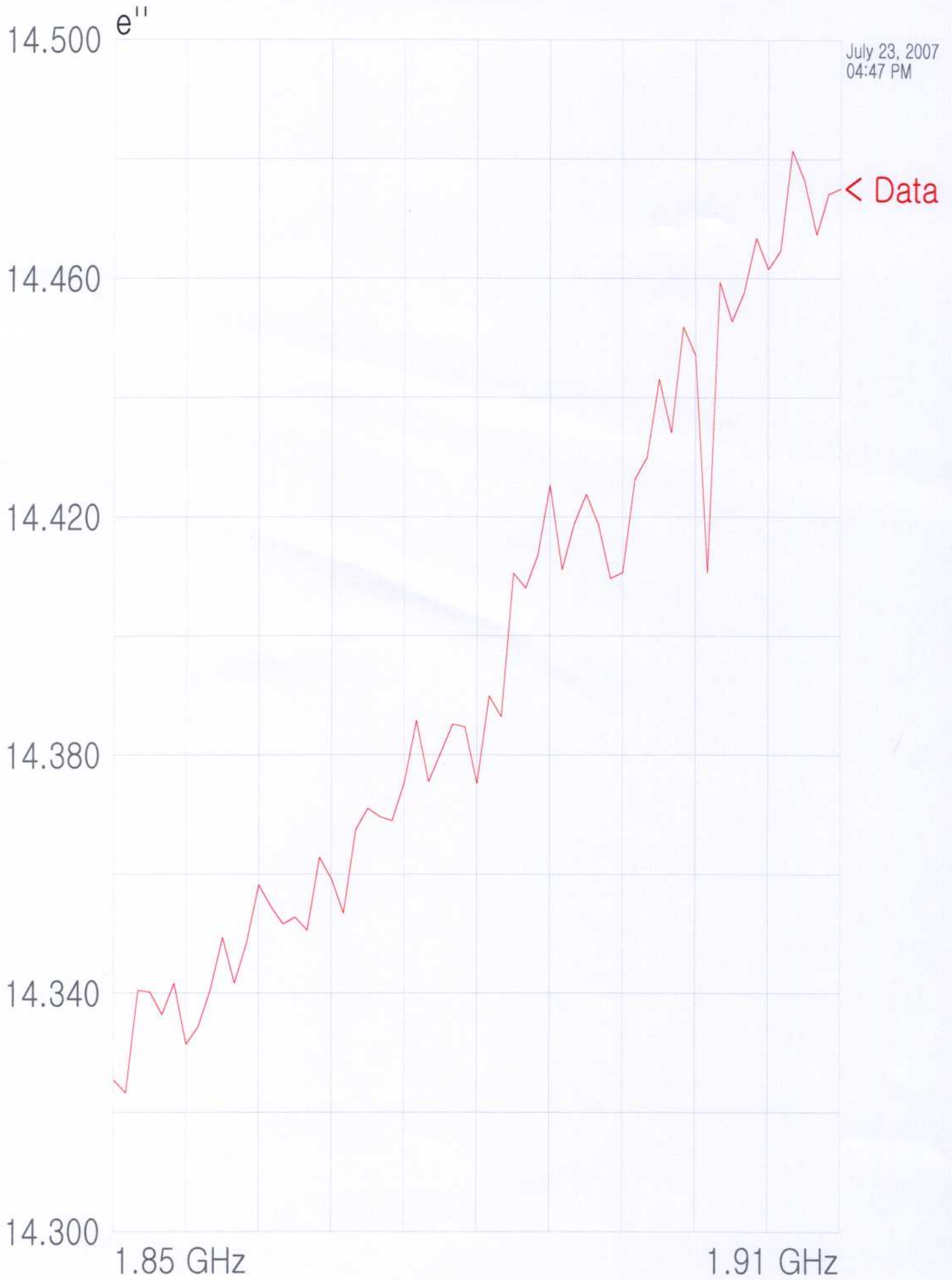
Frequency	e'	e''
1.850000000 GHz	39.7082	13.0801
1.851000000 GHz	39.7076	13.0776
1.852000000 GHz	39.7064	13.0695
1.853000000 GHz	39.6878	13.0814
1.854000000 GHz	39.6710	13.0771
1.855000000 GHz	39.6791	13.0932
1.856000000 GHz	39.6772	13.0886
1.857000000 GHz	39.6758	13.0896
1.858000000 GHz	39.6804	13.1049
1.859000000 GHz	39.6838	13.1089
1.860000000 GHz	39.6660	13.0933
1.861000000 GHz	39.6518	13.1024
1.862000000 GHz	39.6511	13.1091
1.863000000 GHz	39.6422	13.1029
1.864000000 GHz	39.6329	13.1149
1.865000000 GHz	39.6428	13.1148
1.866000000 GHz	39.6461	13.1278
1.867000000 GHz	39.6408	13.1224
1.868000000 GHz	39.6368	13.1191
1.869000000 GHz	39.6297	13.1298
1.870000000 GHz	39.6228	13.1313
1.871000000 GHz	39.6282	13.1429
1.872000000 GHz	39.6198	13.1514
1.873000000 GHz	39.6170	13.1594
1.874000000 GHz	39.6258	13.1480
1.875000000 GHz	39.6199	13.1698
1.876000000 GHz	39.6154	13.1609
1.877000000 GHz	39.6111	13.1757
1.878000000 GHz	39.6051	13.1737
1.879000000 GHz	39.6112	13.1909
1.880000000 GHz	39.6038	13.1868
1.881000000 GHz	39.5907	13.1923
1.882000000 GHz	39.5930	13.1940
1.883000000 GHz	39.6049	13.2014
1.884000000 GHz	39.6018	13.1946
1.885000000 GHz	39.6014	13.1920
1.886000000 GHz	39.6026	13.1825
1.887000000 GHz	39.5795	13.2004
1.888000000 GHz	39.5722	13.1962
1.889000000 GHz	39.5715	13.2117
1.890000000 GHz	39.5648	13.2132
1.891000000 GHz	39.5796	13.2157
1.892000000 GHz	39.5814	13.2118

1.893000000 GHz	39.5911	13.2295
1.894000000 GHz	39.5775	13.2294
1.895000000 GHz	39.5710	13.2218
1.896000000 GHz	39.5569	13.2162
1.897000000 GHz	39.5549	13.2295
1.898000000 GHz	39.5602	13.2262
1.899000000 GHz	39.5666	13.2341
1.900000000 GHz	39.5483	13.2312
1.901000000 GHz	39.5590	13.2363
1.902000000 GHz	39.5511	13.2356
1.903000000 GHz	39.5500	13.2364
1.904000000 GHz	39.5331	13.2356
1.905000000 GHz	39.5182	13.2424
1.906000000 GHz	39.5283	13.2419
1.907000000 GHz	39.5205	13.2322
1.908000000 GHz	39.5227	13.2517
1.909000000 GHz	39.5150	13.2420
1.910000000 GHz	39.5187	13.2546

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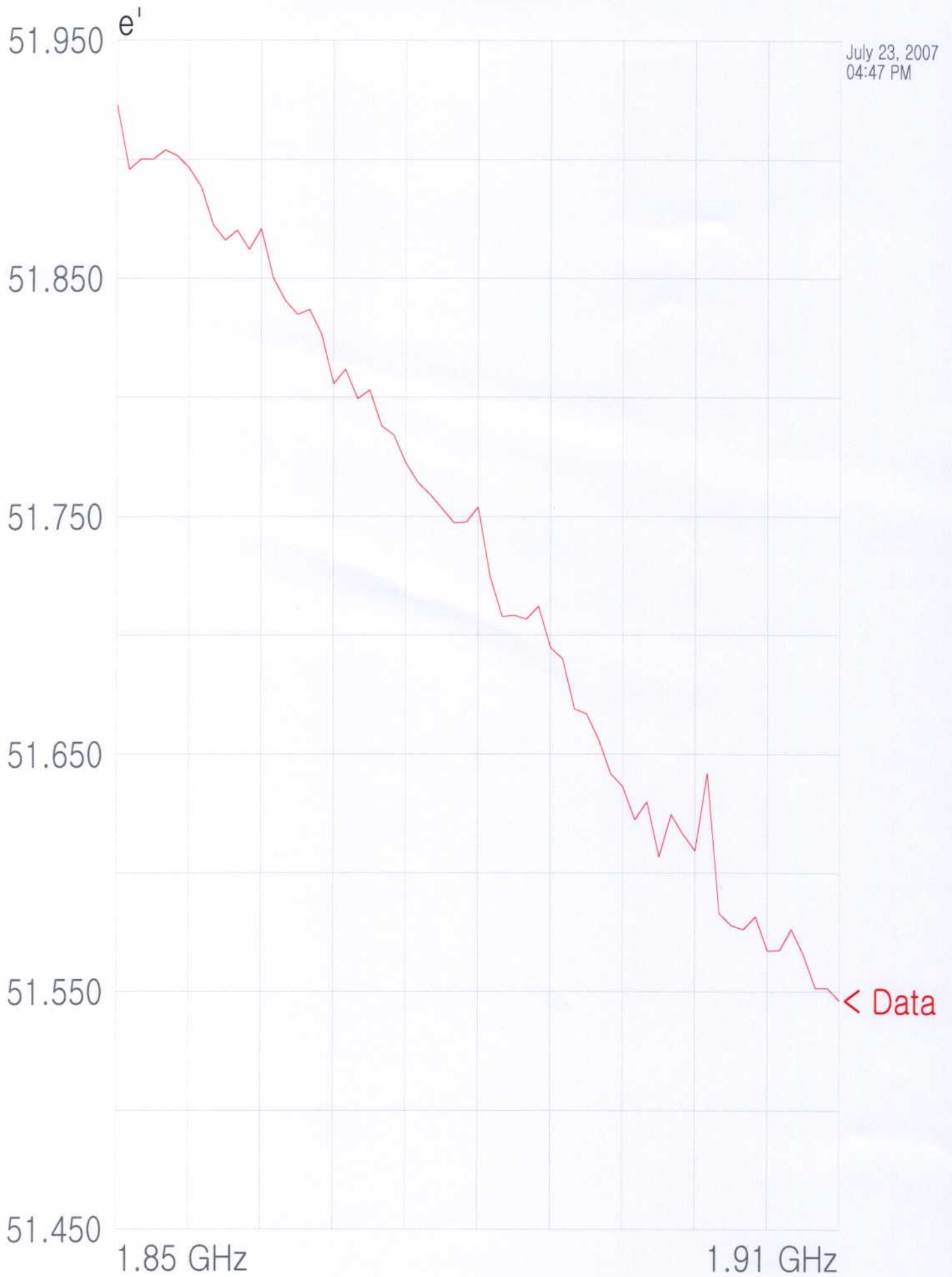
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Frequency	e'	e''
1.850000000 GHz	51.9227	14.3254
1.851000000 GHz	51.8958	14.3232
1.852000000 GHz	51.9002	14.3405
1.853000000 GHz	51.9000	14.3402
1.854000000 GHz	51.9040	14.3364
1.855000000 GHz	51.9015	14.3417
1.856000000 GHz	51.8964	14.3314
1.857000000 GHz	51.8884	14.3344
1.858000000 GHz	51.8725	14.3406
1.859000000 GHz	51.8661	14.3494
1.860000000 GHz	51.8703	14.3417
1.861000000 GHz	51.8621	14.3484
1.862000000 GHz	51.8709	14.3582
1.863000000 GHz	51.8501	14.3545
1.864000000 GHz	51.8407	14.3516
1.865000000 GHz	51.8348	14.3527
1.866000000 GHz	51.8368	14.3506
1.867000000 GHz	51.8265	14.3628
1.868000000 GHz	51.8057	14.3591
1.869000000 GHz	51.8118	14.3534
1.870000000 GHz	51.7995	14.3674
1.871000000 GHz	51.8030	14.3711
1.872000000 GHz	51.7879	14.3696
1.873000000 GHz	51.7842	14.3689
1.874000000 GHz	51.7724	14.3753
1.875000000 GHz	51.7642	14.3858
1.876000000 GHz	51.7592	14.3755
1.877000000 GHz	51.7533	14.3803
1.878000000 GHz	51.7474	14.3852
1.879000000 GHz	51.7475	14.3847
1.880000000 GHz	51.7539	14.3751
1.881000000 GHz	51.7246	14.3899
1.882000000 GHz	51.7079	14.3864
1.883000000 GHz	51.7084	14.4106
1.884000000 GHz	51.7068	14.4081
1.885000000 GHz	51.7123	14.4136
1.886000000 GHz	51.6947	14.4252
1.887000000 GHz	51.6901	14.4111
1.888000000 GHz	51.6690	14.4187
1.889000000 GHz	51.6670	14.4237
1.890000000 GHz	51.6562	14.4187
1.891000000 GHz	51.6418	14.4097
1.892000000 GHz	51.6363	14.4107

1.893000000 GHz	51.6224	14.4263
1.894000000 GHz	51.6300	14.4299
1.895000000 GHz	51.6068	14.4431
1.896000000 GHz	51.6246	14.4341
1.897000000 GHz	51.6163	14.4519
1.898000000 GHz	51.6093	14.4471
1.899000000 GHz	51.6420	14.4107
1.900000000 GHz	51.5829	14.4594
1.901000000 GHz	51.5779	14.4528
1.902000000 GHz	51.5761	14.4577
1.903000000 GHz	51.5816	14.4668
1.904000000 GHz	51.5672	14.4615
1.905000000 GHz	51.5674	14.4646
1.906000000 GHz	51.5762	14.4814
1.907000000 GHz	51.5656	14.4764
1.908000000 GHz	51.5515	14.4673
1.909000000 GHz	51.5515	14.4742
1.910000000 GHz	51.5463	14.4751