

SAR Plots & Tissue Measurement Data

Test Laboratory: KTL

835MHz Validation - D835V2; SN:481

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 2.60 mW/g

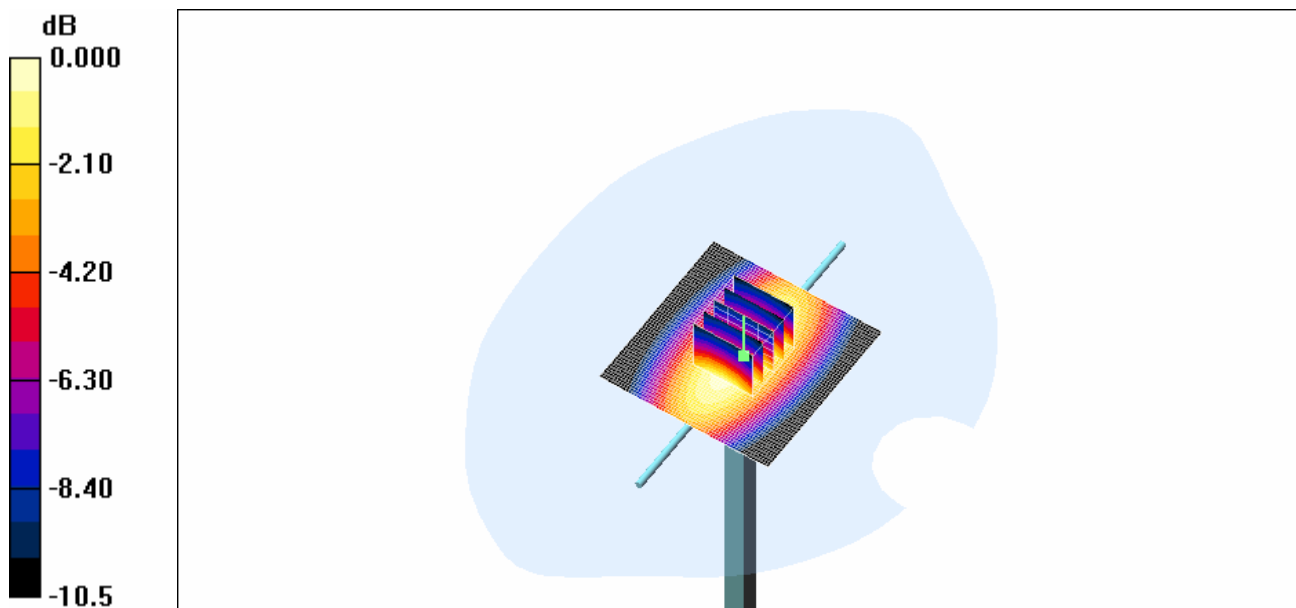
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.2 V/m ; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 3.65 W/kg

SAR(1 g) = 2.42 mW/g ; SAR(10 g) = 1.58 mW/g

Maximum value of SAR (measured) = 2.61 mW/g



0 dB = 2.61 mW/g

Test Laboratory: KTL

EF90 GSM850 Ch.128 LEFT Cheek Touch

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 40.7$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.706 mW/g

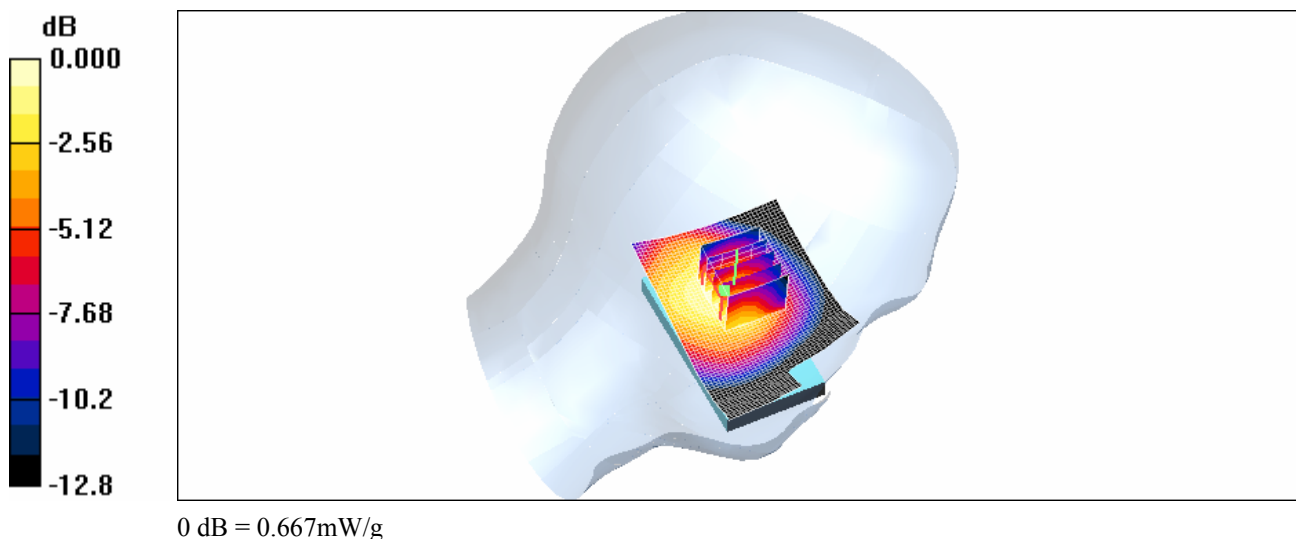
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.8 V/m ; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.835 W/kg

SAR(1 g) = 0.628 mW/g ; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.667 mW/g



Test Laboratory: KTL

EF90 GSM850 Ch.128 RIGHT Cheek Touch

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 40.7$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.824 mW/g

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

Maximum value of SAR (interpolated) = 0.209 mW/g

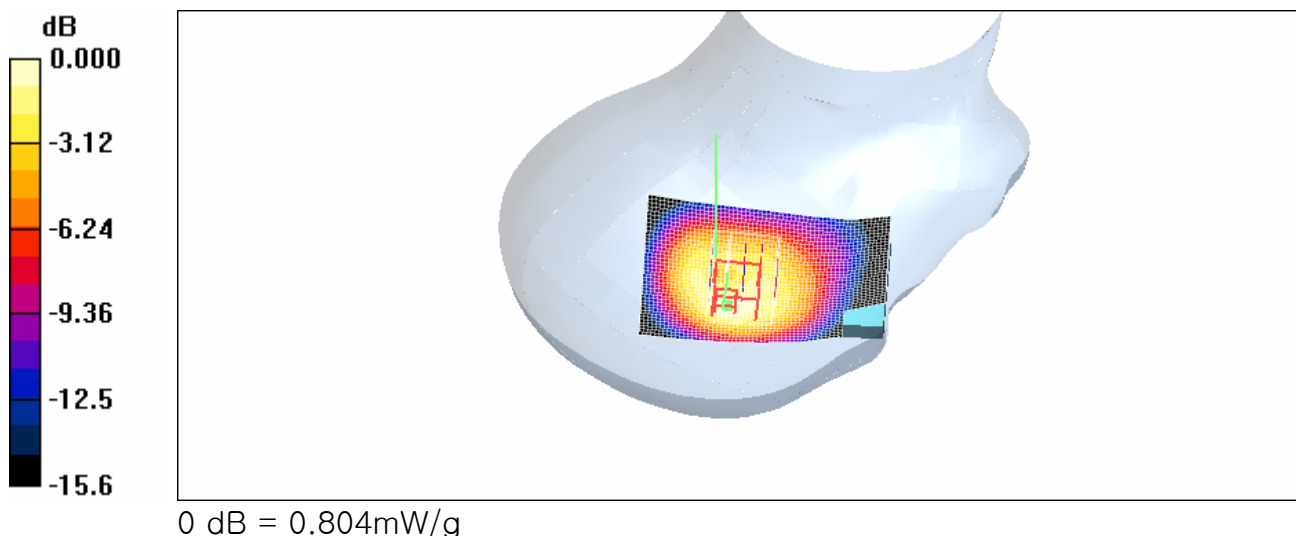
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

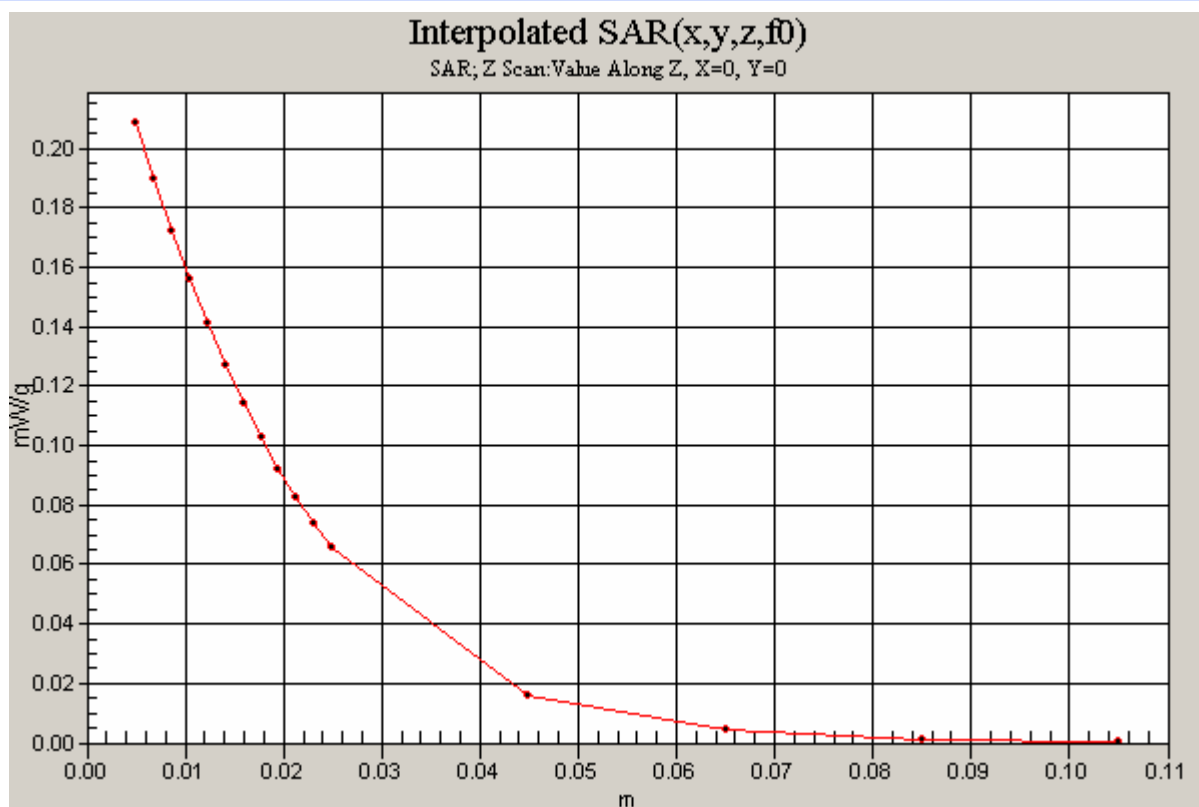
Reference Value = 23.4 V/m ; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.741 mW/g ; SAR(10 g) = 0.392 mW/g

Maximum value of SAR (measured) = 0.804 mW/g





Test Laboratory: KTL

EF90 GSM850 Ch.128 RIGHT Cheek Touch with Bluetooth active

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 40.7$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.820 mW/g

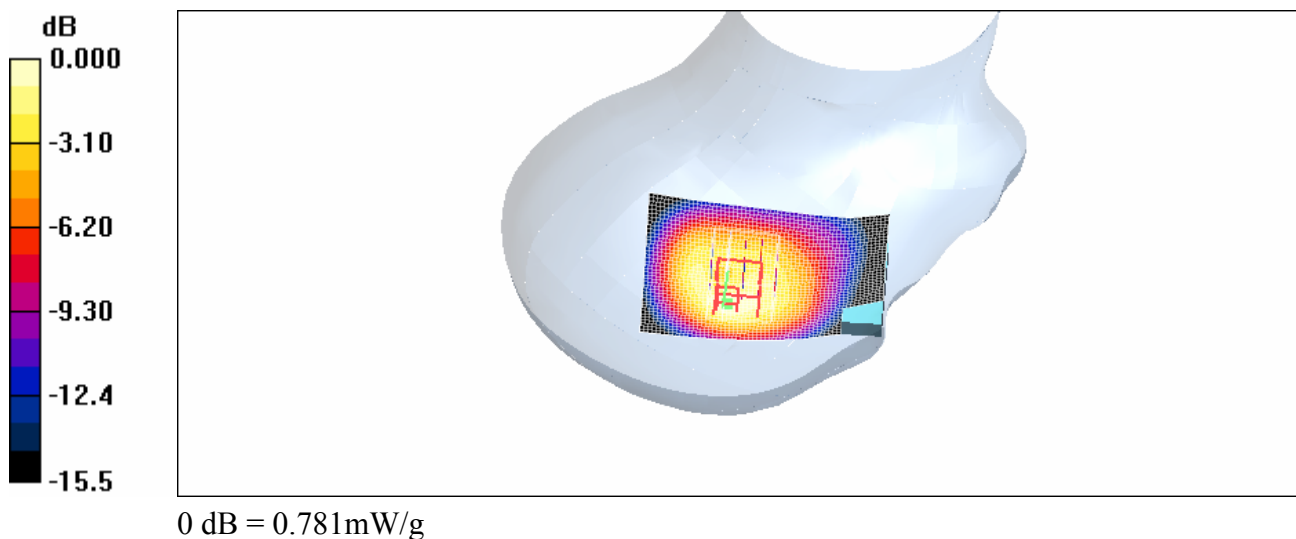
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.4 V/m ; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.728 mW/g ; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 0.781 mW/g



Test Laboratory: KTL

EF90 GSM850 Ch.190 LEFT Cheek Touch

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.568 mW/g

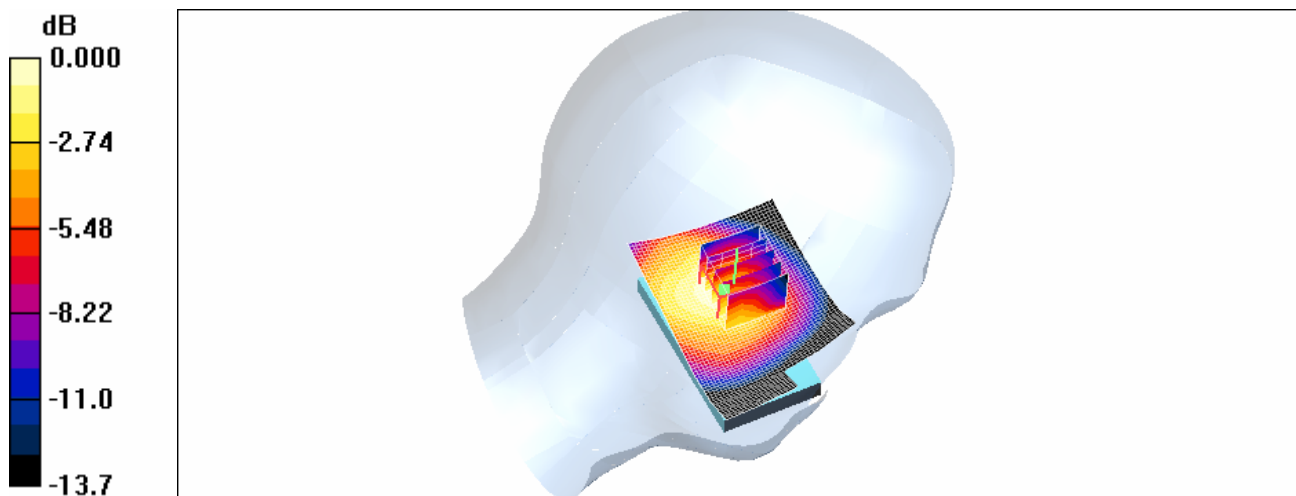
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.9 V/m ; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.680 W/kg

SAR(1 g) = 0.504 mW/g ; SAR(10 g) = 0.342 mW/g

Maximum value of SAR (measured) = 0.524 mW/g



Test Laboratory: KTL

EF90 GSM850 Ch.190 LEFT Ear Tilt

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.349 mW/g

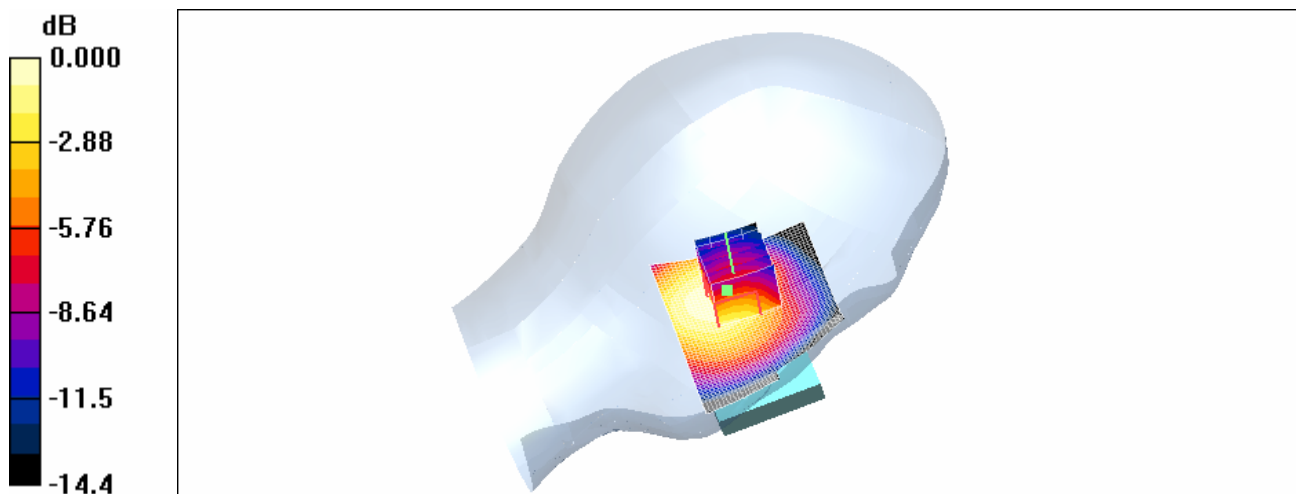
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.0 V/m ; Power Drift = 0.054 dB

Peak SAR (extrapolated) = 0.836 W/kg

SAR(1 g) = 0.256 mW/g ; SAR(10 g) = 0.165 mW/g

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



Test Laboratory: KTL

EF90 GSM850 Ch.190 RIGHT Cheek Touch

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.676 mW/g

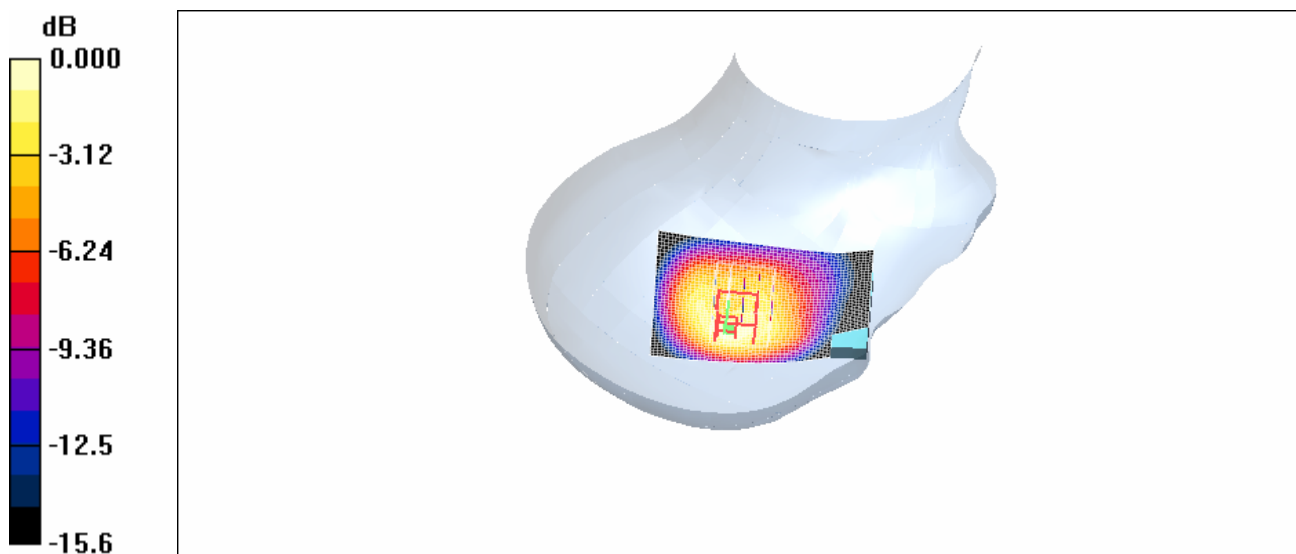
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.9 V/m ; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.591 mW/g ; SAR(10 g) = 0.312 mW/g

Maximum value of SAR (measured) = 0.655 mW/g



0 dB = 0.655 mW/g

Test Laboratory: KTL

EF90 GSM850 Ch.190 RIGHT Ear Tilt

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.451 mW/g

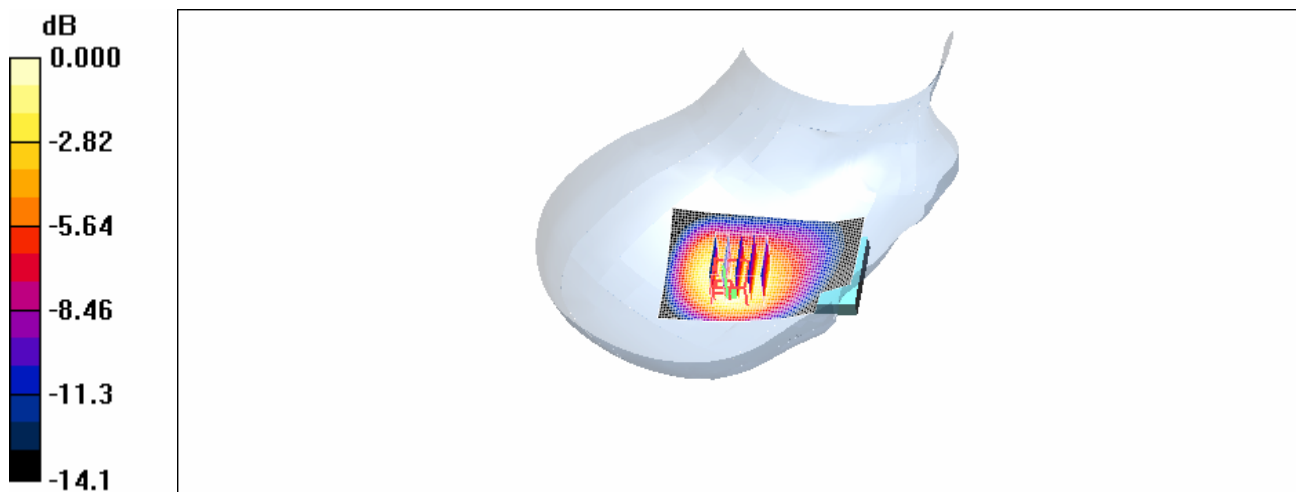
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.4 V/m ; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.393 mW/g ; SAR(10 g) = 0.216 mW/g

Maximum value of SAR (measured) = 0.437 mW/g



Test Laboratory: KTL

EF90 GSM850 Ch.281 LEFT Cheek Touch

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.513 mW/g

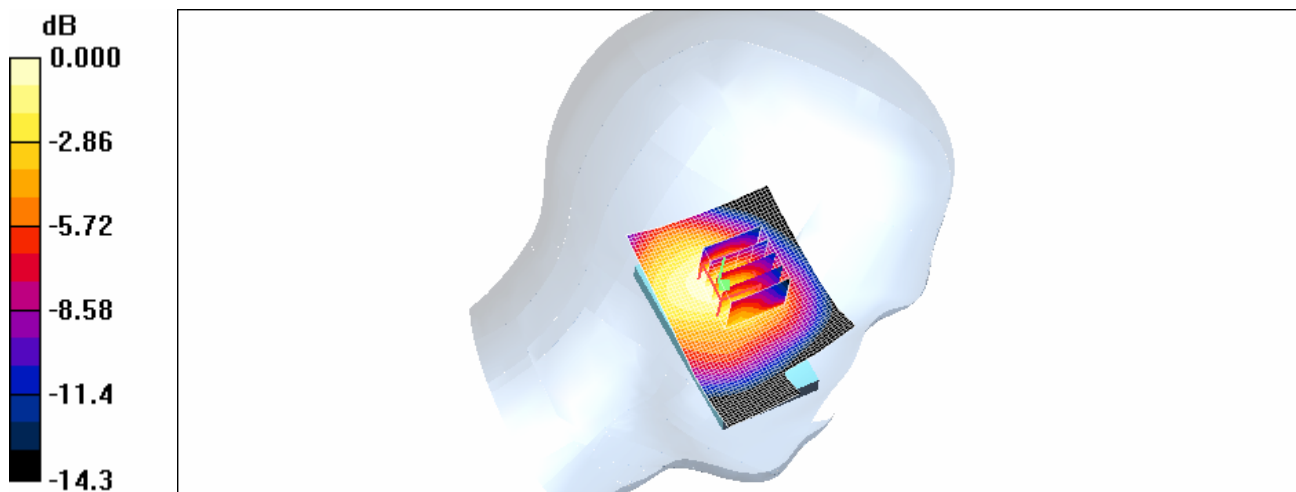
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.3 V/m ; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.451 mW/g ; SAR(10 g) = 0.303 mW/g

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



0 dB = 0.461 mW/g

Test Laboratory: KTL

EF90 GSM850 Ch.281 RIGHT Cheek Touch

***Test Date : 27th/Sept/2007**

Measured Liquid Temperature(°C) : 21.5, Ambient Temperature(°C) : 21.0

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

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.657 mW/g

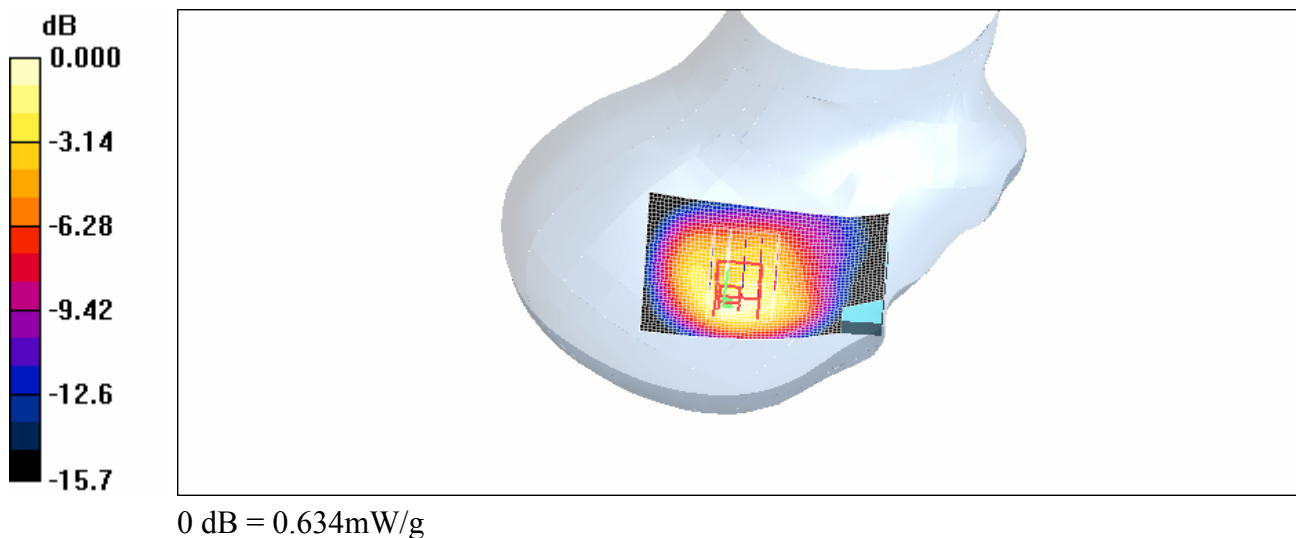
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.3 V/m ; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.597 mW/g ; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.634 mW/g



Test Laboratory: KTL

EF90 GSM850 Ch128. Body - Front facing phantom

***Test Date : 27th/Sept/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: MSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.182 mW/g

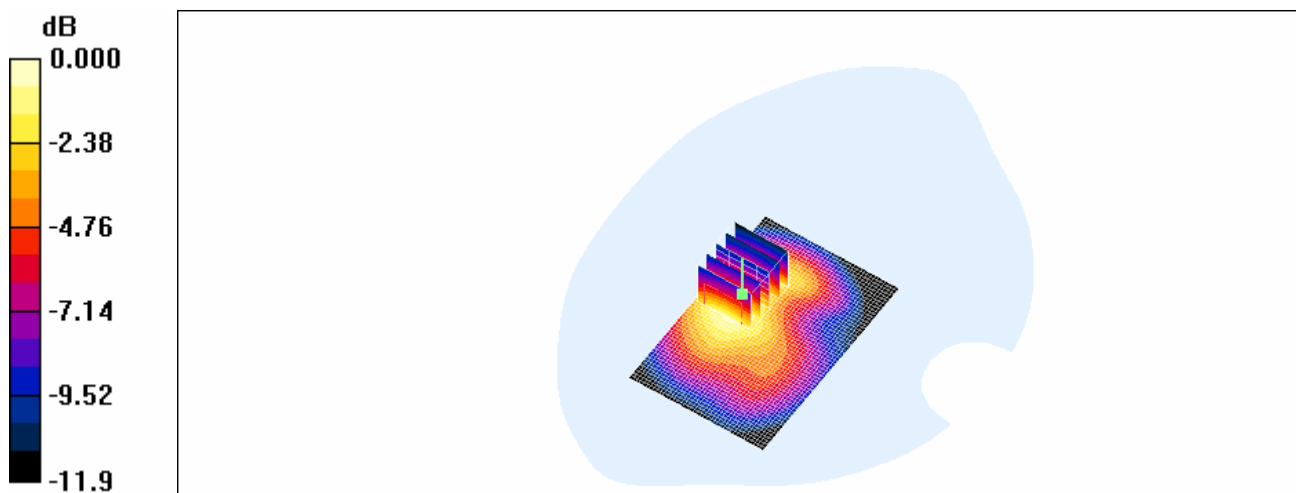
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.0 V/m ; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.173 mW/g ; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.184 mW/g



0 dB = 0.184 mW/g

Test Laboratory: KTL

EF90 GSM850 Ch190. Body - Rear facing phantom

***Test Date : 27th/Sept/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: MSL835 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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.157 mW/g

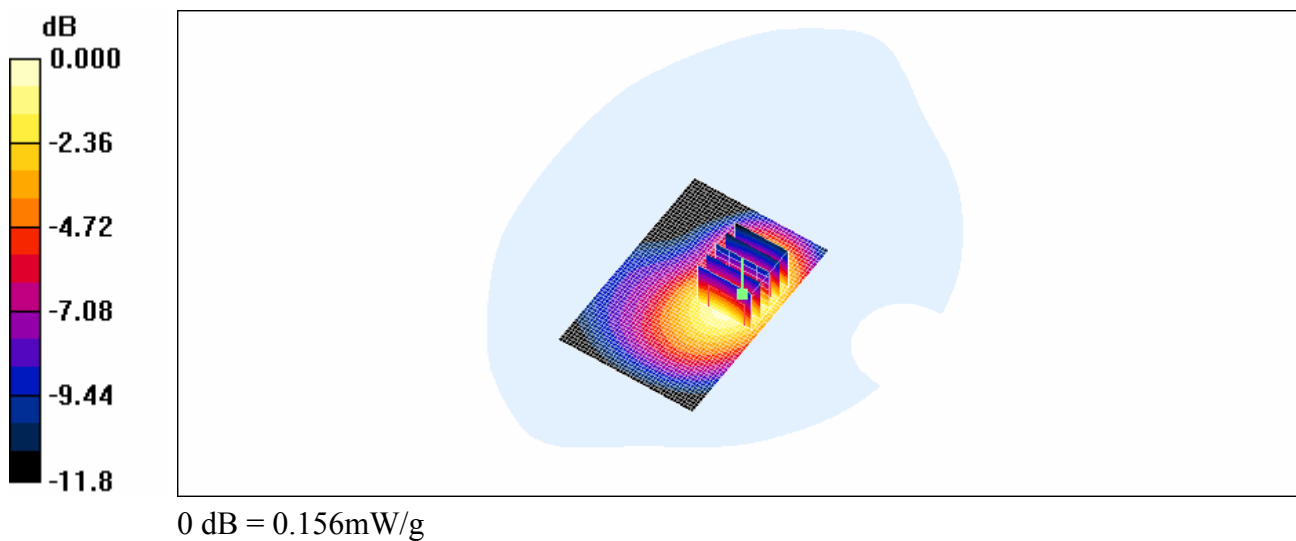
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.37 V/m ; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.146 mW/g ; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.156 mW/g



Test Laboratory: KTL

EF90 GSM850 Ch190. Body – Front facing phantom

***Test Date : 27th/Sept/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: MSL835 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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

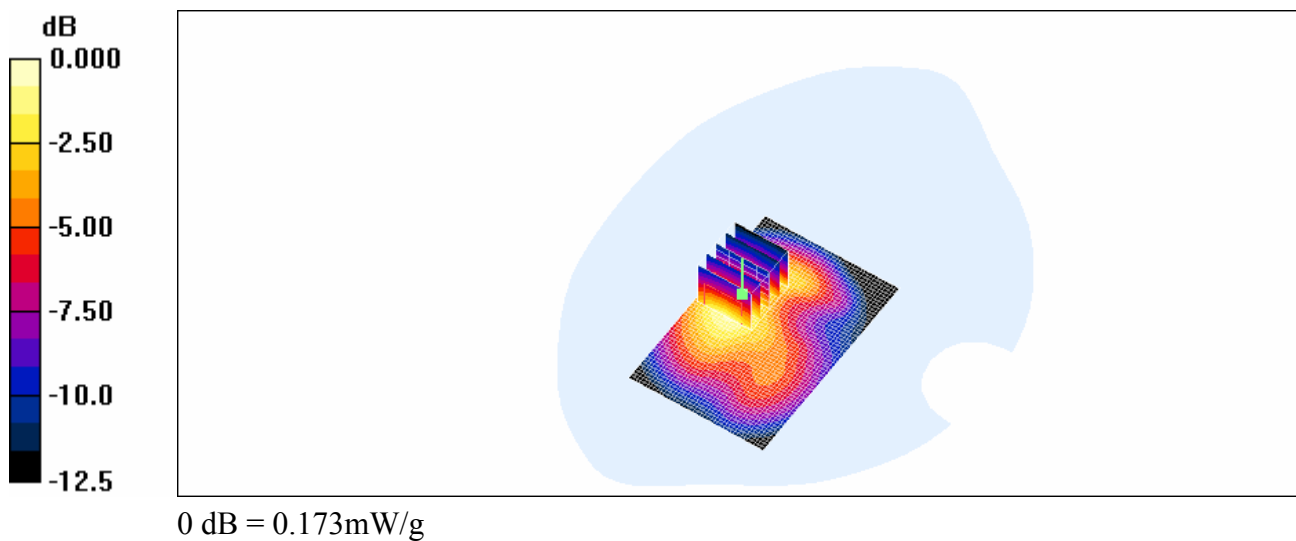
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.50 V/m ; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.160 mW/g ; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.173 mW/g



Test Laboratory: KTL

EF90 GSM850 Ch251. Body – Front facing phantom

***Test Date : 27th/Sept/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: MSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.127 mW/g

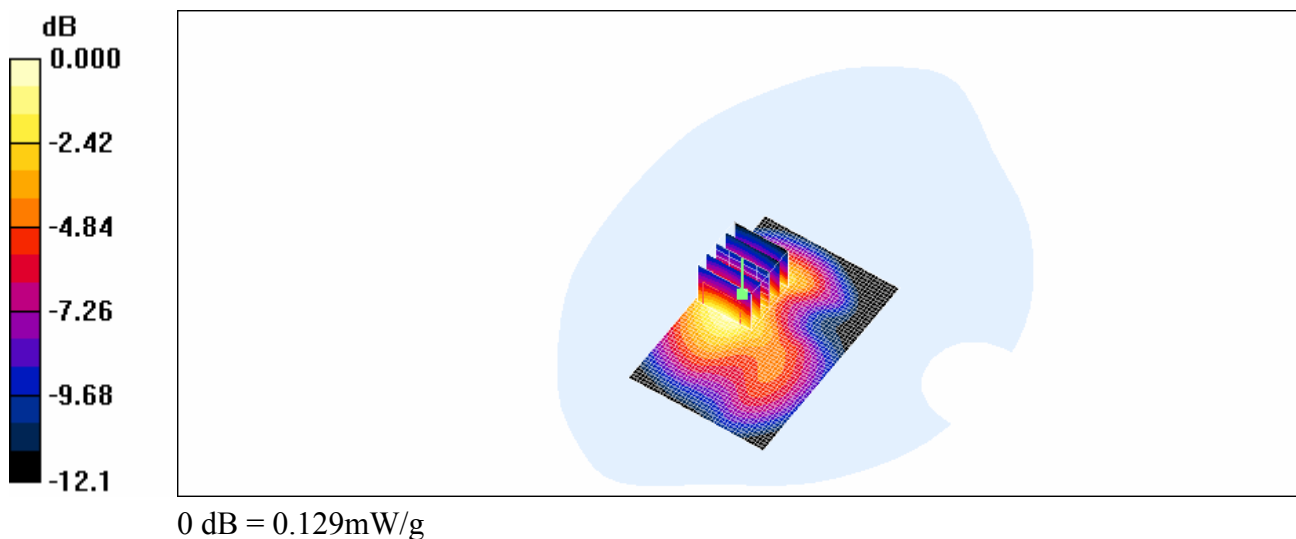
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.67 V/m ; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.121 mW/g ; SAR(10 g) = 0.076 mW/g

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



Test Laboratory: KTL

EF90 GPRS850 Ch128. Body – Front facing phantom

***Test Date : 27th/Sept/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: MSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

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) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.229 mW/g

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

Maximum value of SAR (interpolated) = 0.054 mW/g

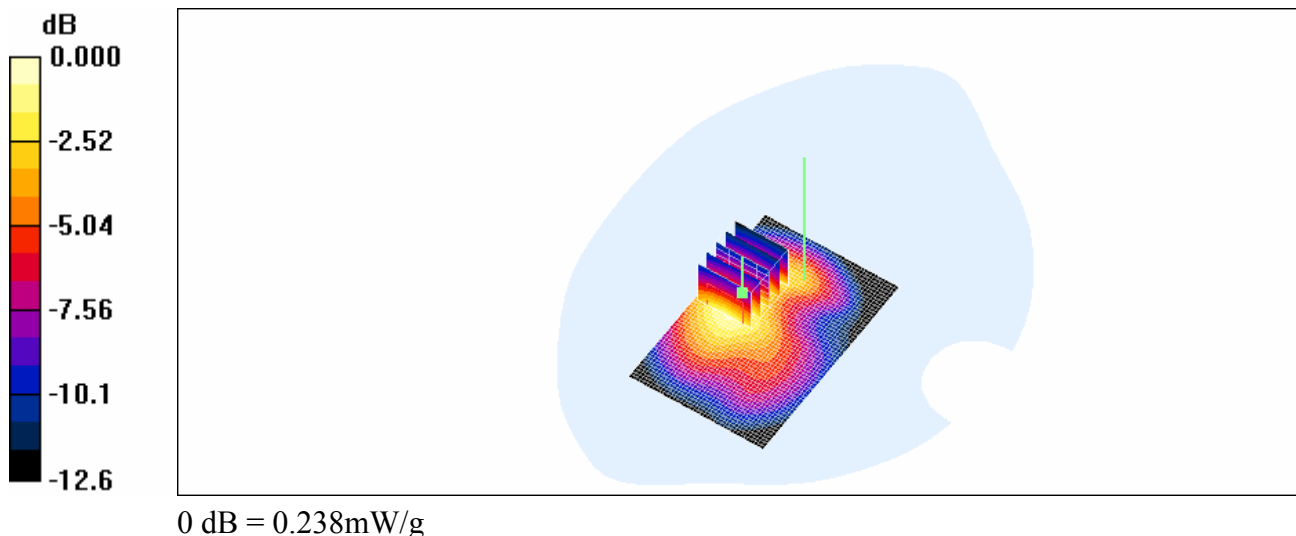
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

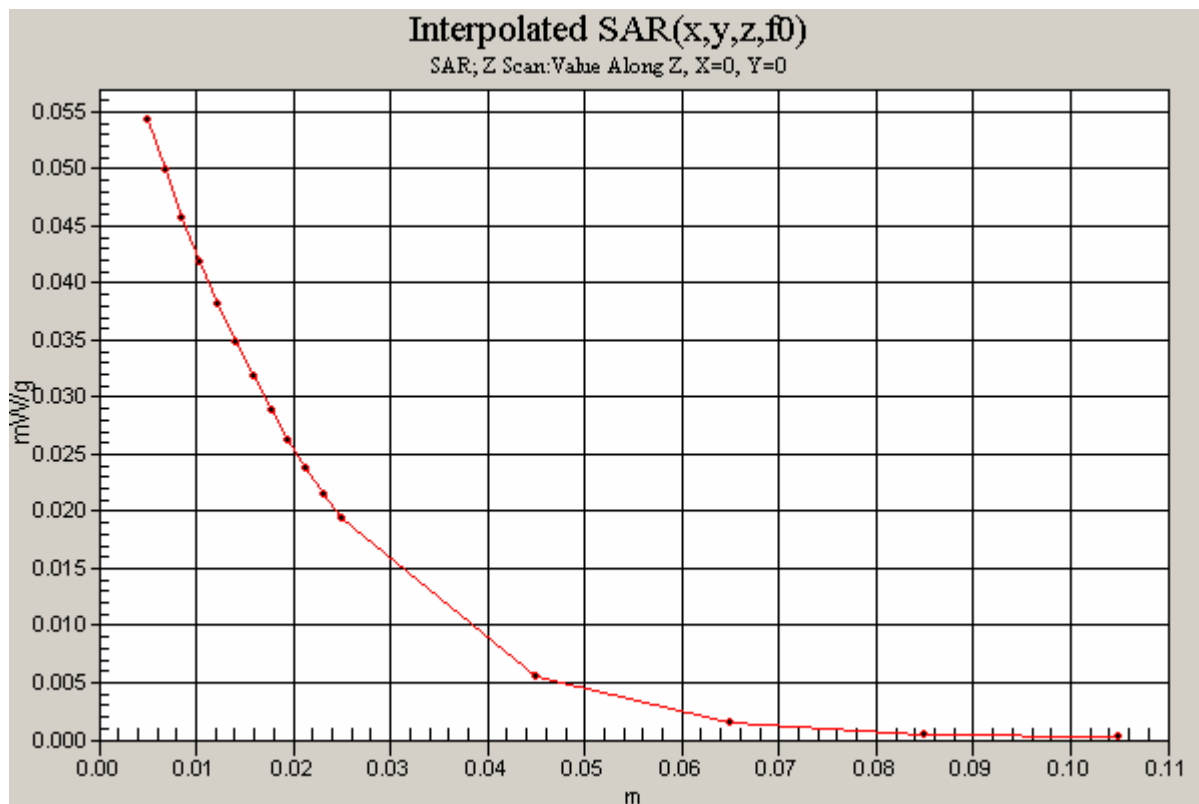
Reference Value = 11.2 V/m ; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.220 mW/g ; SAR(10 g) = 0.137 mW/g

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





Test Laboratory: KTL

EF90 GPRS850 Ch128. Body – Front facing phantom with Bluetooth Active

***Test Date : 27th/Sept/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: MSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

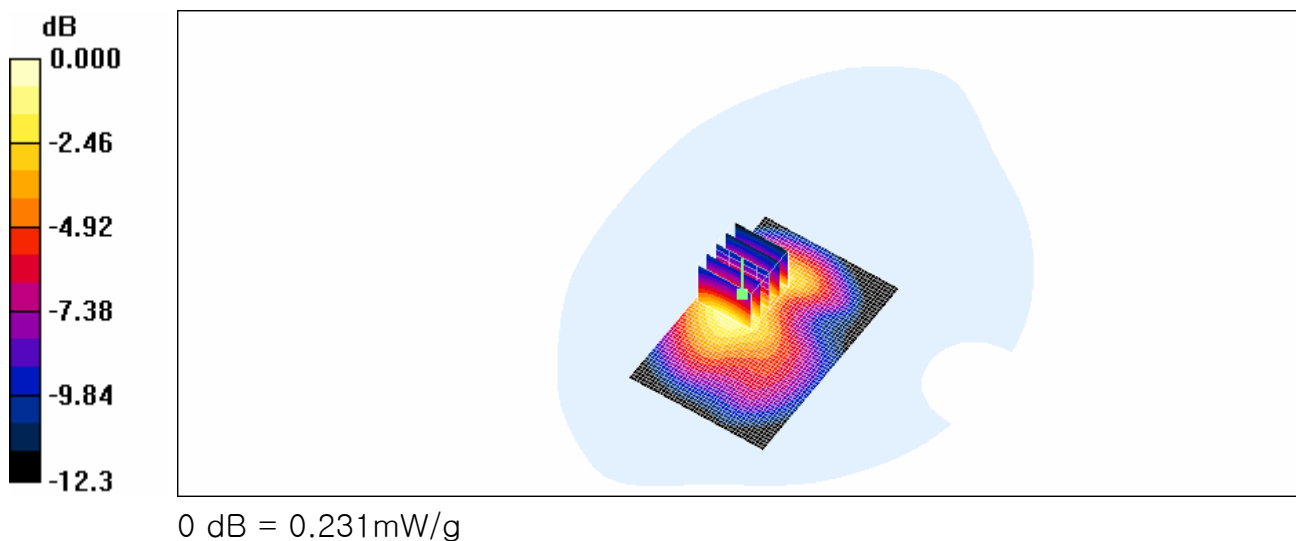
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.1 V/m ; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.213 mW/g ; SAR(10 g) = 0.134 mW/g

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



Test Laboratory: KTL

EF90 GPRS850 Ch190. Body – Front facing phantom

***Test Date : 27th/Sept/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: MSL835 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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.183 mW/g

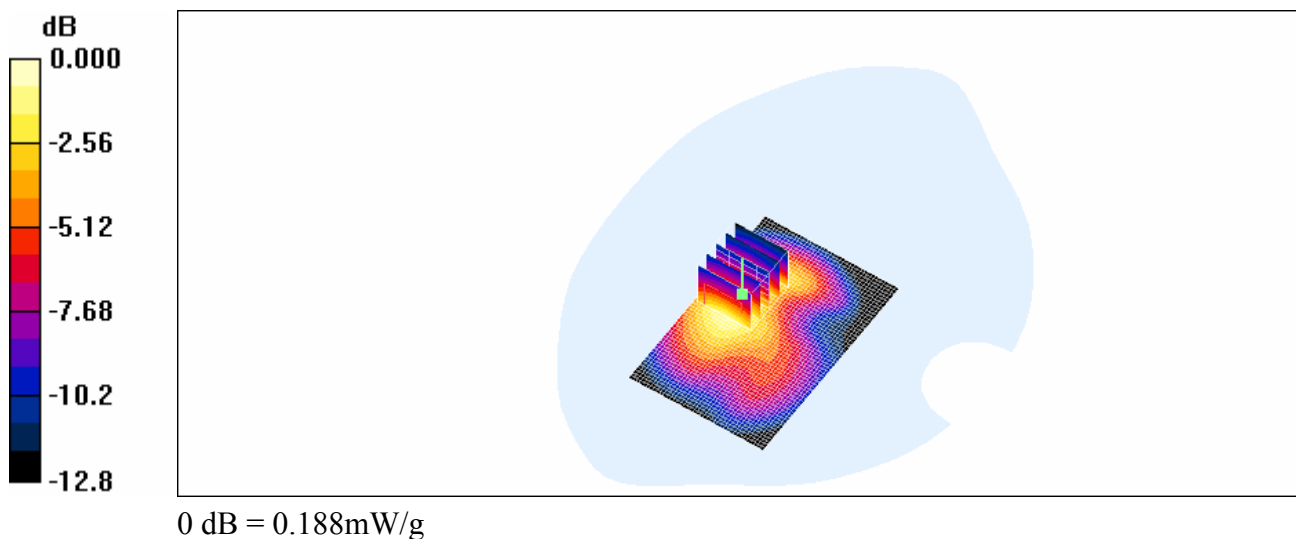
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.68 V/m ; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.173 mW/g ; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (measured) = 0.188 mW/g



Test Laboratory: KTL

EF90 GPRS850 Ch251. Body – Front facing phantom

***Test Date : 27th/Sept/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: MSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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_835MHz; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.164 mW/g

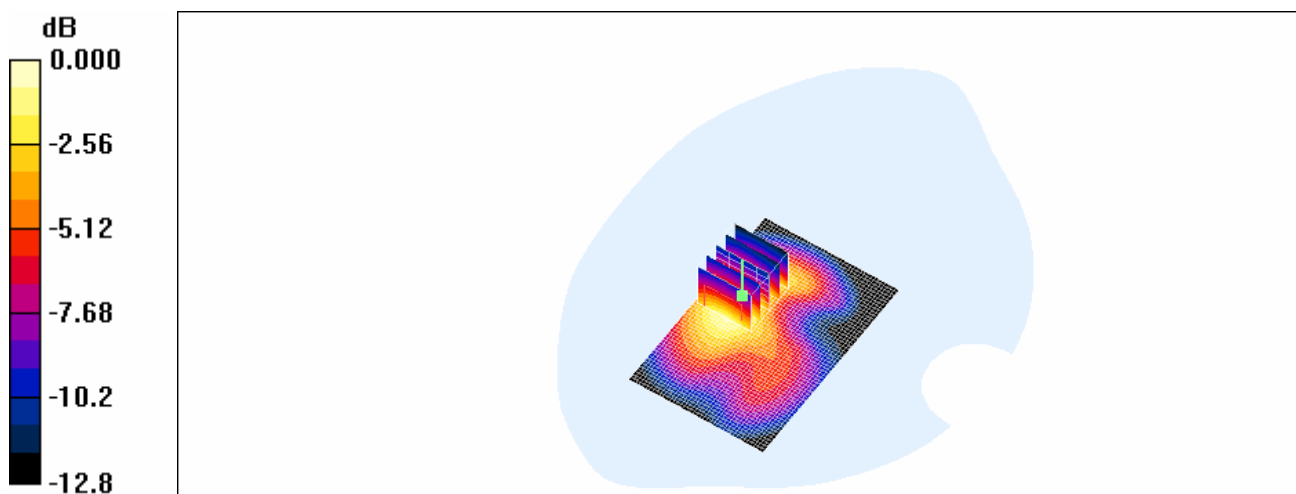
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.86 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.166 mW/g



0 dB = 0.166mW/g

Test Laboratory: KTL

1900MHz Validation D1900V2 S/N : 5d032

***Test Date : 28th/Sept/2007**

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

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

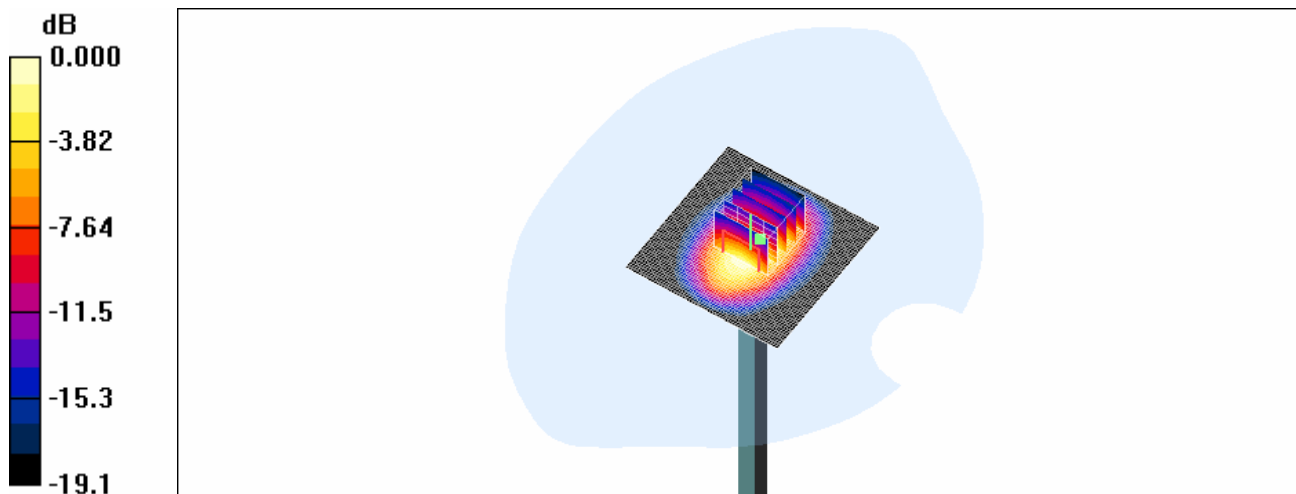
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 93.9 V/m ; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 9.61 mW/g ; SAR(10 g) = 5.09 mW/g

Maximum value of SAR (measured) = 10.8 mW/g



0 dB = 10.8 mW/g

Test Laboratory: KTL

EF90 PCS1900 Ch.512 LEFT Cheek Touch

***Test Date : 28th/Sept/2007**

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

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

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.38$ 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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

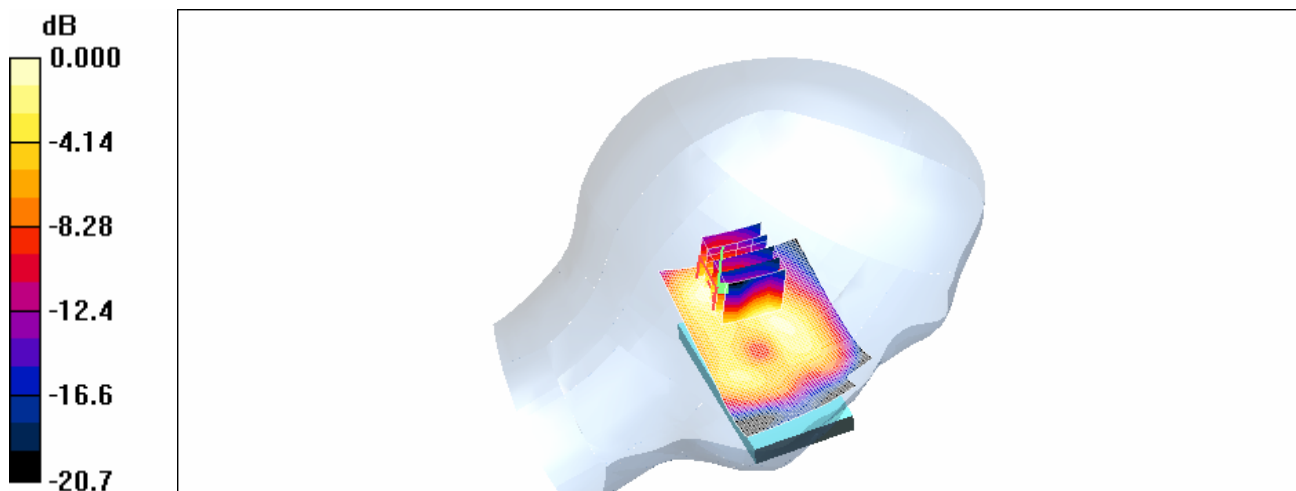
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.197 mW/g

Maximum value of SAR (measured) = 0.401 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.512 RIGHT Cheek Touch

***Test Date : 28th/Sept/2007**

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

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

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.412 mW/g

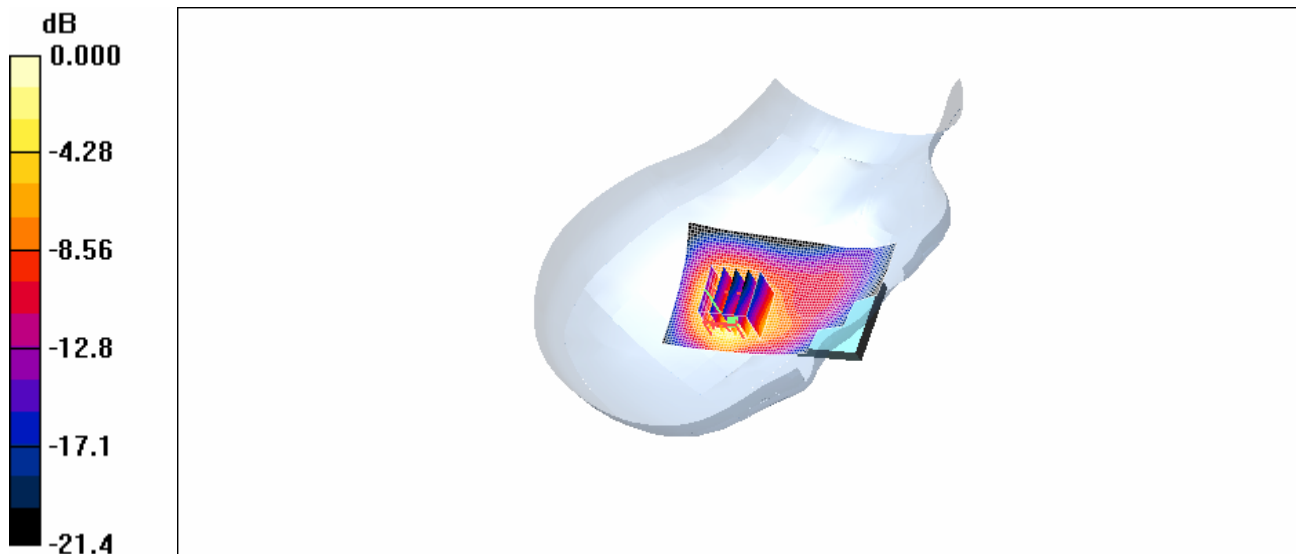
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.29 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.825 W/kg

SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.188 mW/g

Maximum value of SAR (measured) = 0.506 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.661 LEFT Cheek Touch

***Test Date : 28th/Sept/2007**

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

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.458 mW/g

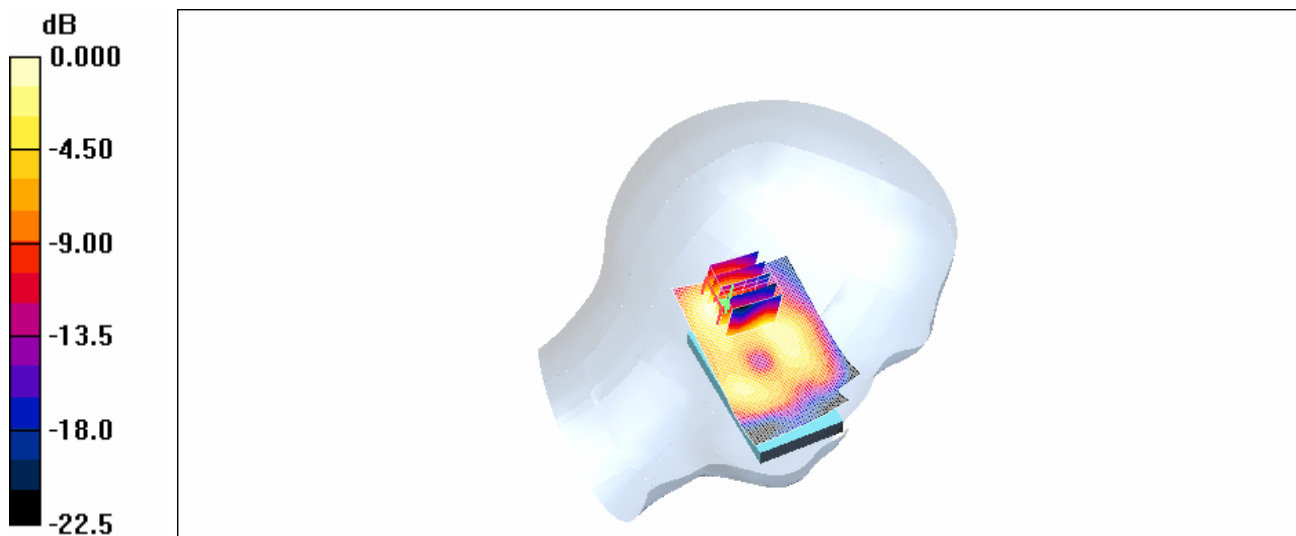
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.8 V/m ; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.810 W/kg

SAR(1 g) = 0.433 mW/g ; SAR(10 g) = 0.219 mW/g

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



Test Laboratory: KTL

EF90 PCS1900 Ch.661 LEFT Ear Tilt

***Test Date : 28th/Sept/2007**

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

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.395 mW/g

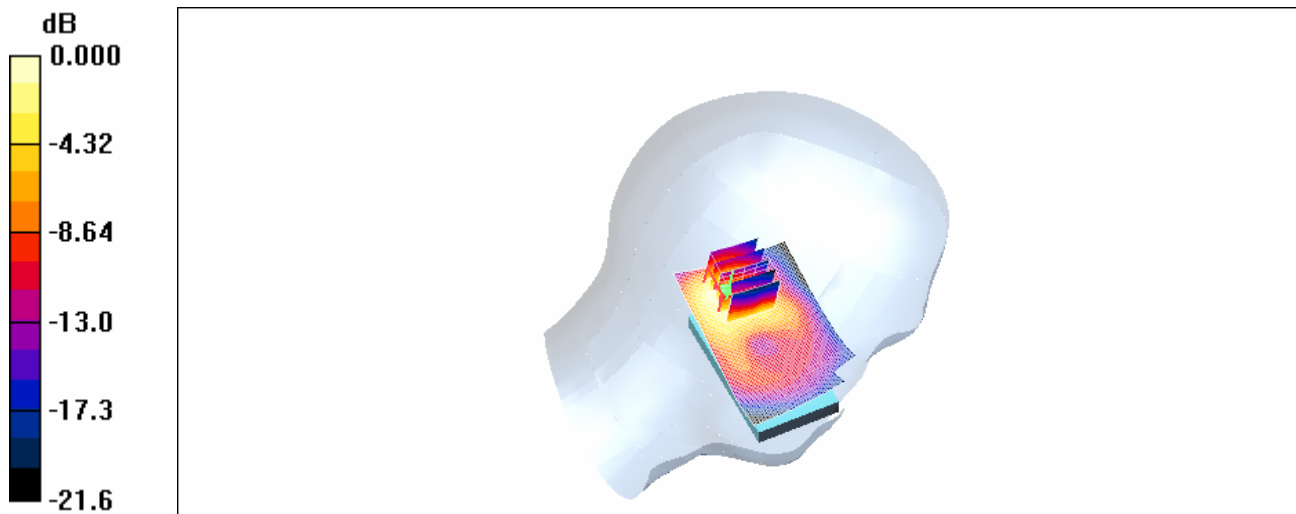
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.8 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.189 mW/g

Maximum value of SAR (measured) = 0.400 mW/g



0 dB = 0.400mW/g

Test Laboratory: KTL

EF90 PCS1900 Ch.661 RIGHT Cheek Touch

***Test Date : 28th/Sept/2007**

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

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

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

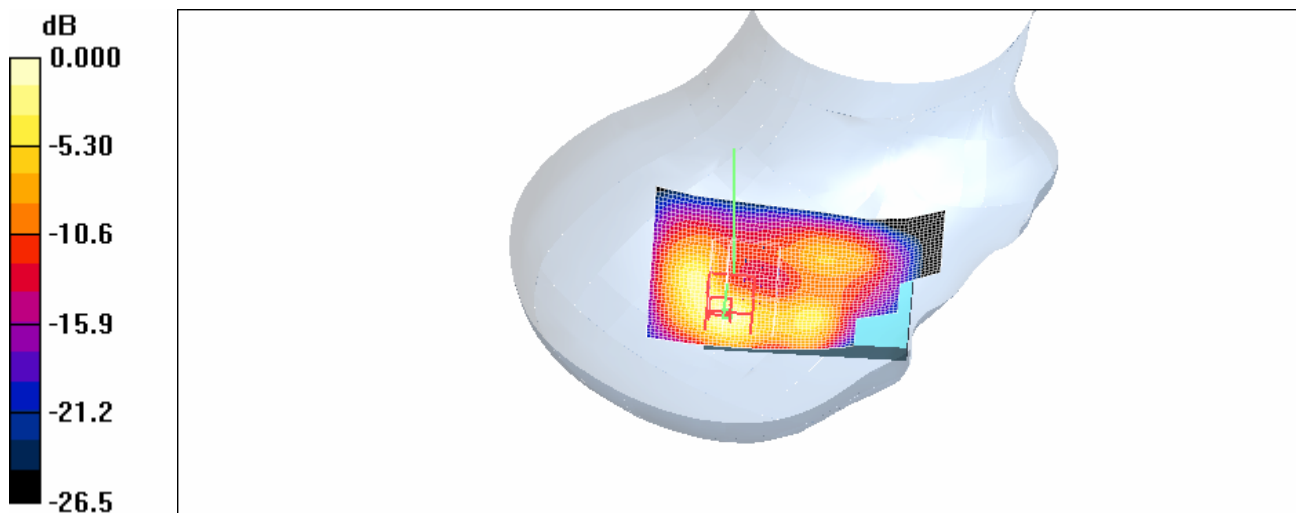
- Probe: ET3DV6 - SN1773; ConvF(5.02, 5.02, 5.02); Calibrated: 2007-05-31
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2007-04-17
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

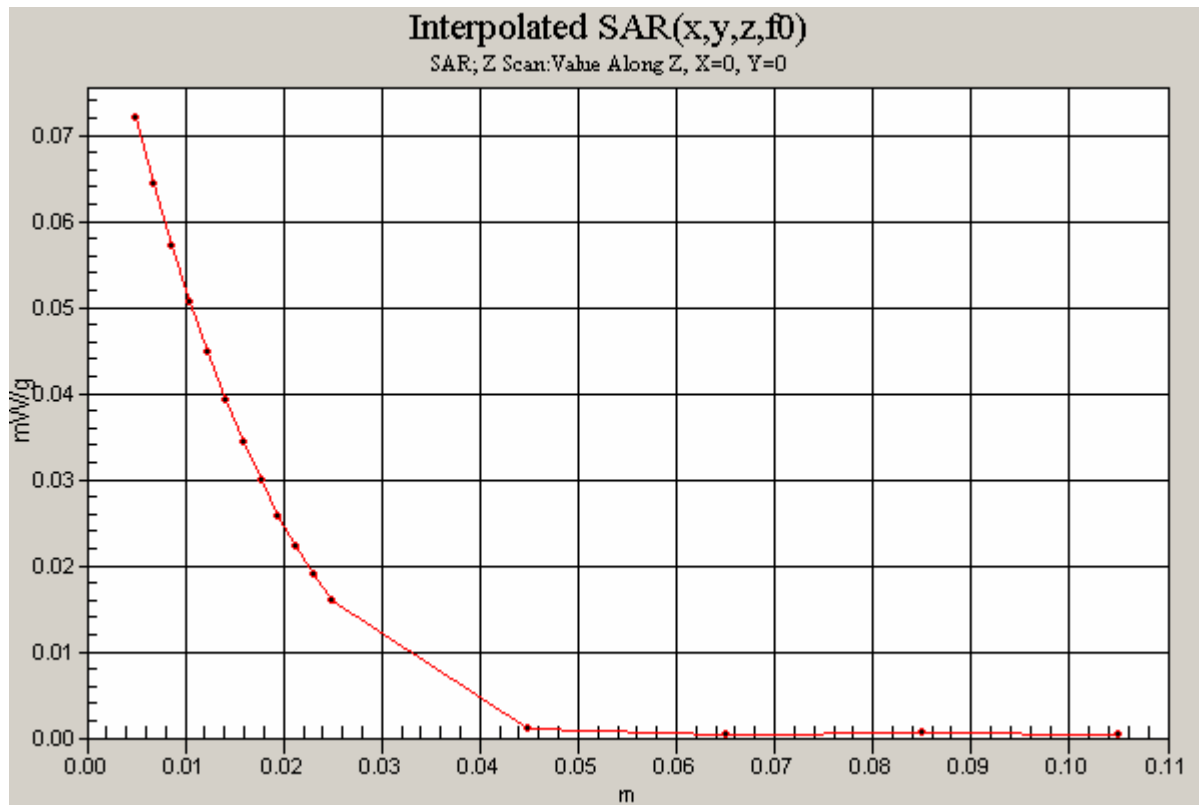
Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.582 mW/g

Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm
Maximum value of SAR (interpolated) = 0.072 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.22 V/m; Power Drift = -0.239 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.733 mW/g





Test Laboratory: KTL

EF90 PCS1900 Ch.661 RIGHT Cheek Touch with Bluetooth Active

***Test Date : 28th/Sept/2007**

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

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.688 mW/g

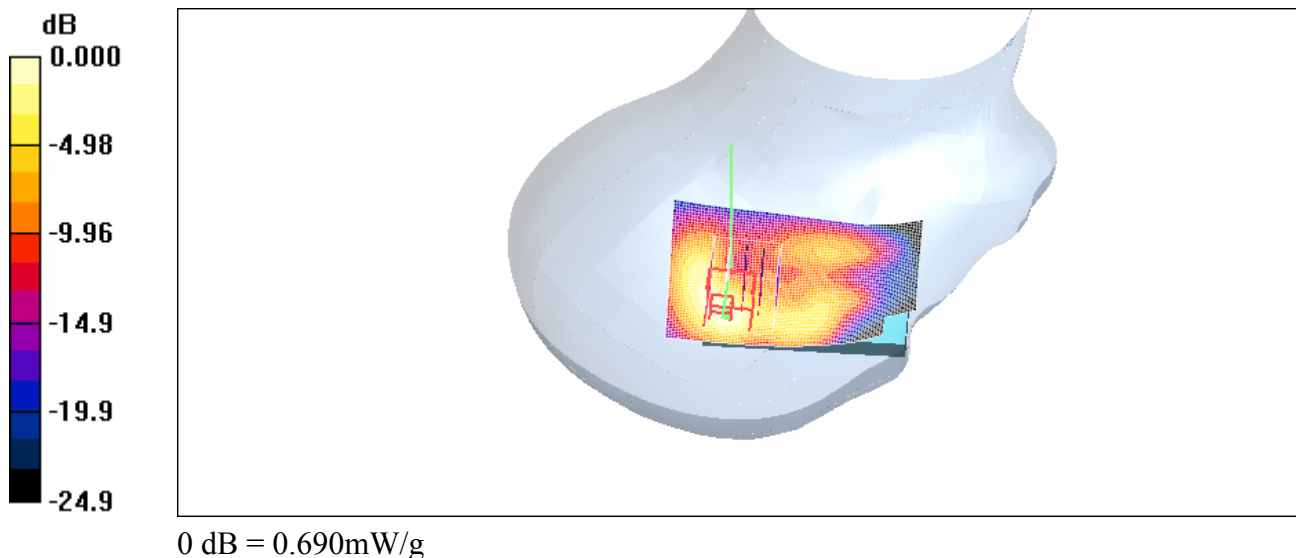
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.01 V/m ; Power Drift = -0.476 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.598 mW/g ; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.690 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.661 RIGHT Ear Tilt

***Test Date : 28th/Sept/2007**

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

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

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.449 mW/g

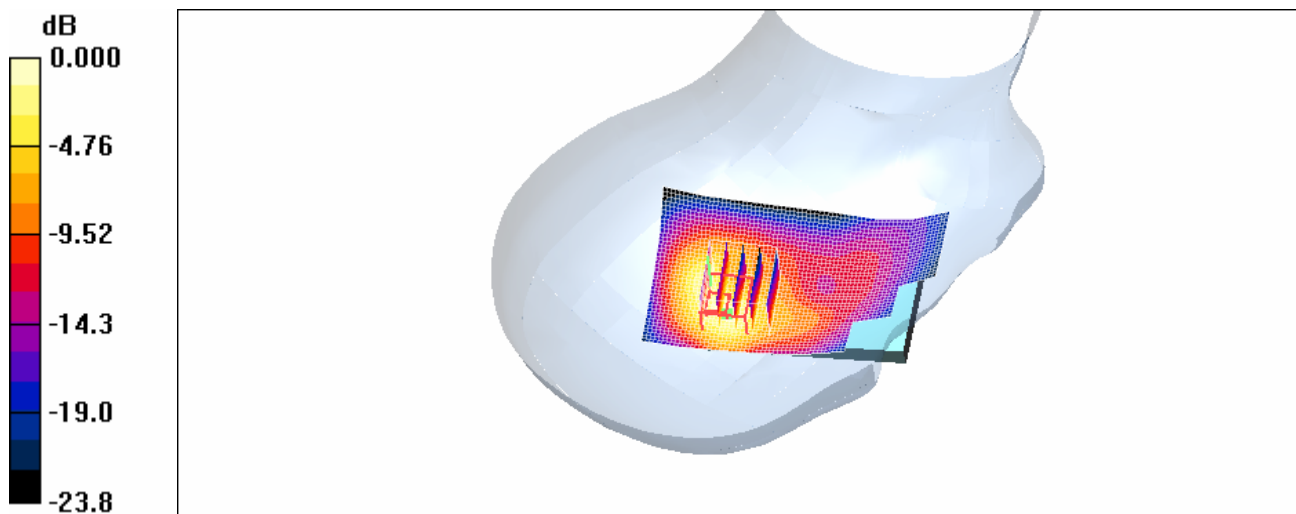
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.30 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.992 W/kg

SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.557 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.810 LEFT Cheek Touch

***Test Date : 28th/Sept/2007**

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

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

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

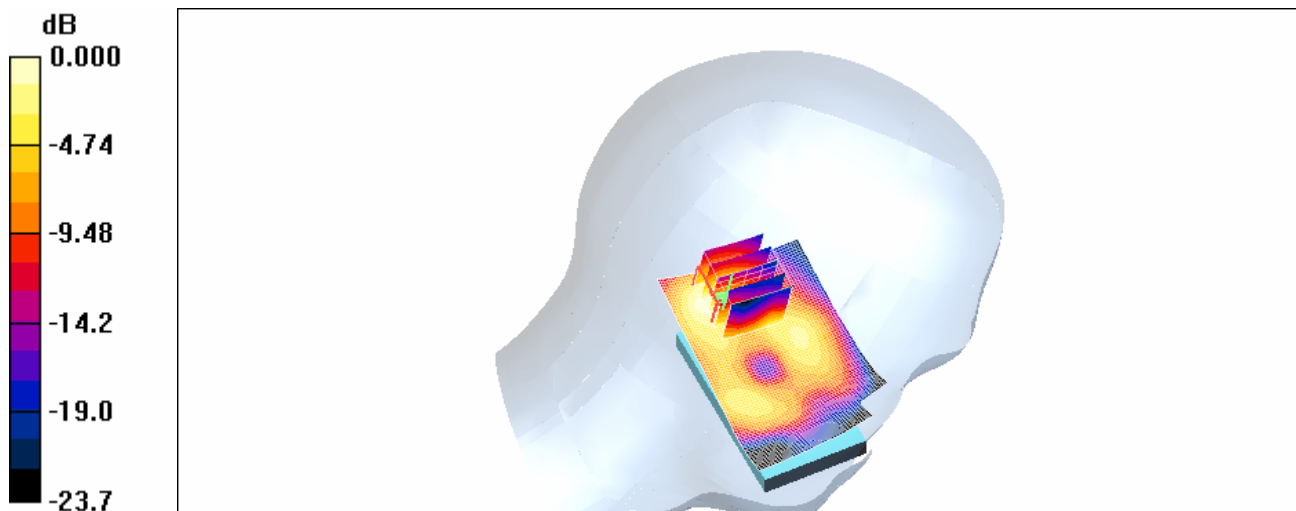
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.4 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.812 W/kg

SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.241 mW/g

Maximum value of SAR (measured) = 0.494 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.810 RIGHT Cheek Touch

***Test Date : 28th/Sept/2007**

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

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

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.547 mW/g

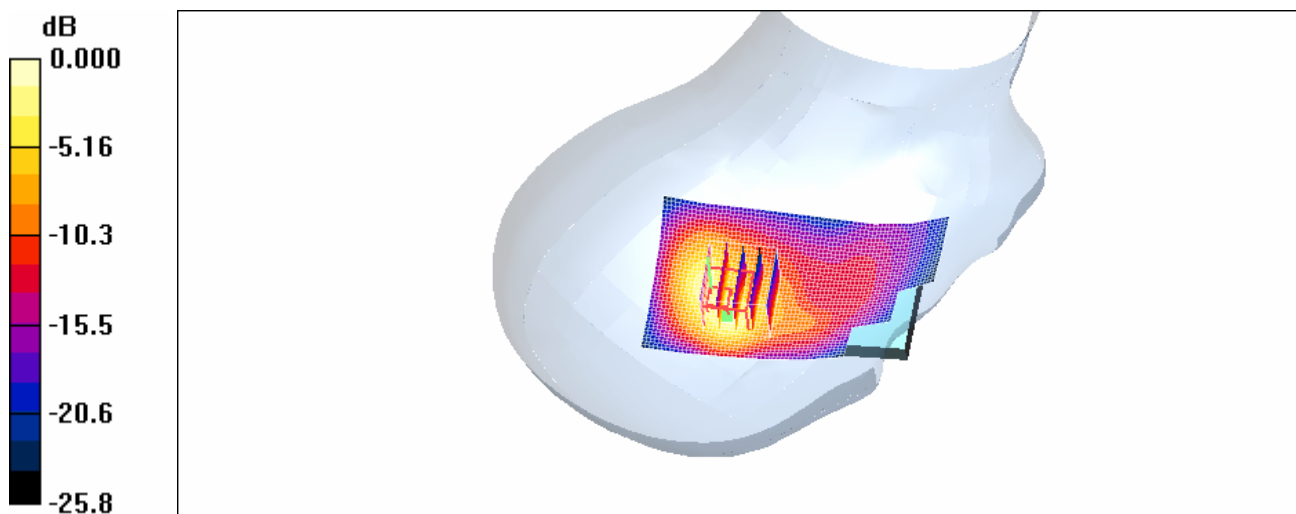
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.43 V/m ; Power Drift = -0.444 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.559 mW/g ; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.675 mW/g



0 dB = 0.675 mW/g

Test Laboratory: KTL

EF90 PCS1900 Ch.512 Body – Rear facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.085 mW/g

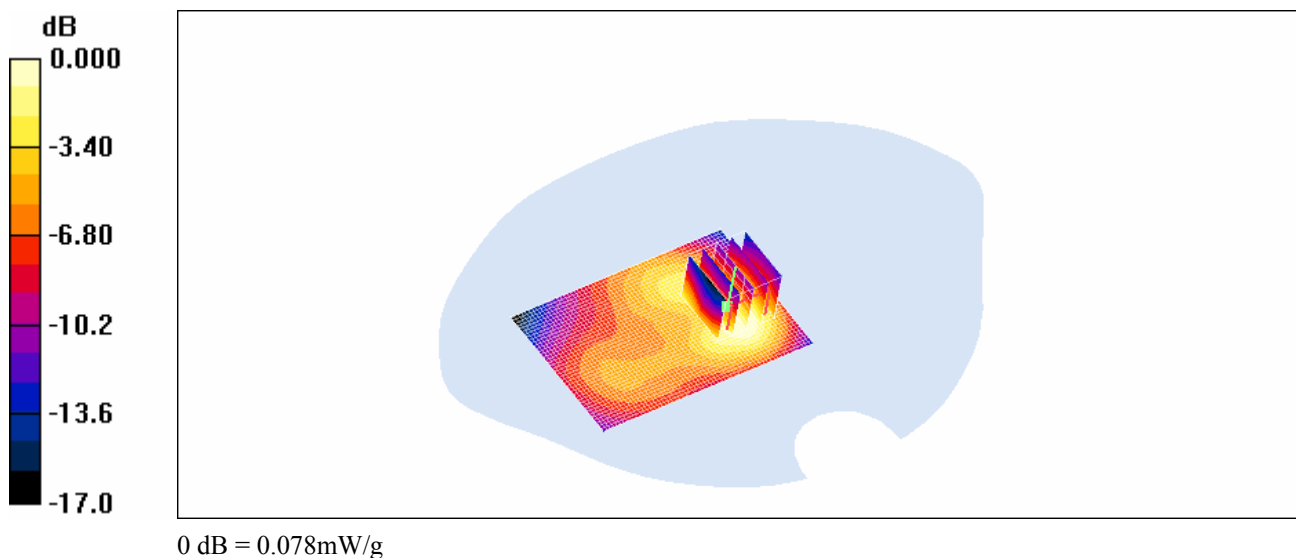
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.95 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.105 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.078 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.661 Body – Rear facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

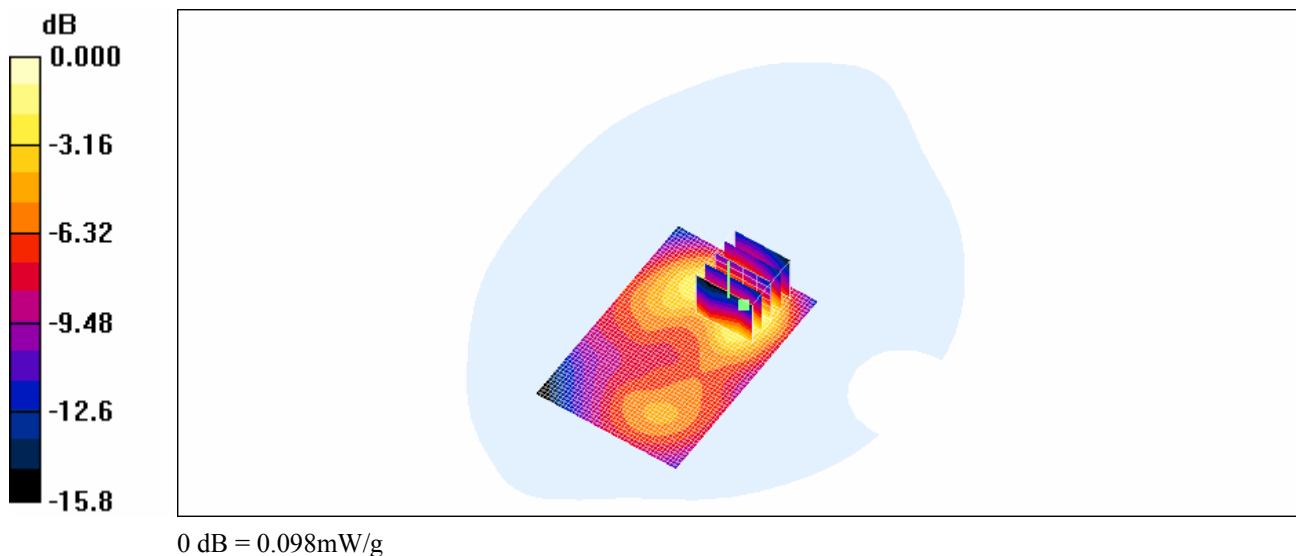
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.56 V/m ; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.089 mW/g ; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.098 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.661 Body – Front facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.061 mW/g

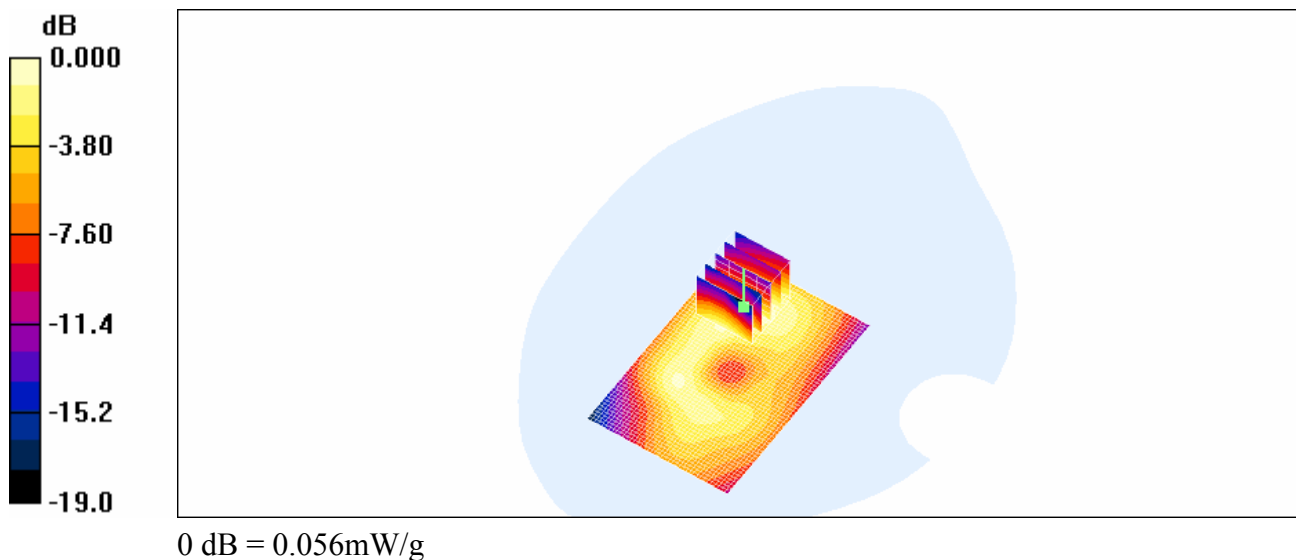
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.68 V/m ; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.083 W/kg

SAR(1 g) = 0.051 mW/g ; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.056 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.810 Body – Rear facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.113 mW/g

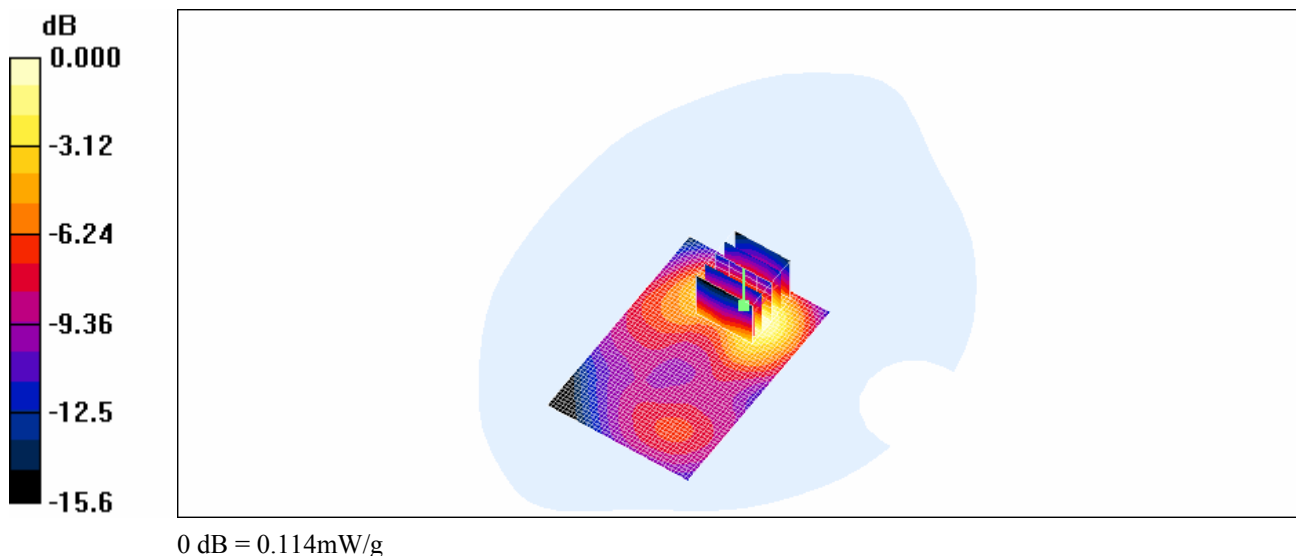
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.06 V/m ; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.103 mW/g ; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.114 mW/g



Test Laboratory: KTL

EF90 PCS1900 Ch.810 Body with Bluetooth Active – Rear facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.116 mW/g

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

Maximum value of SAR (interpolated) = 0.044 mW/g

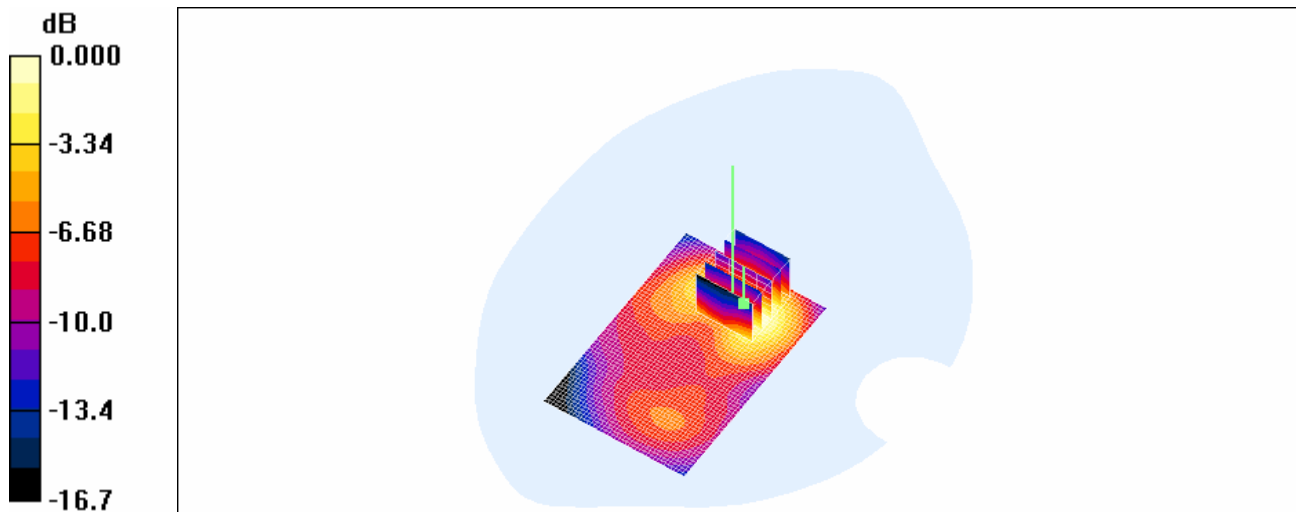
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.23 V/m ; Power Drift = 0.023 dB

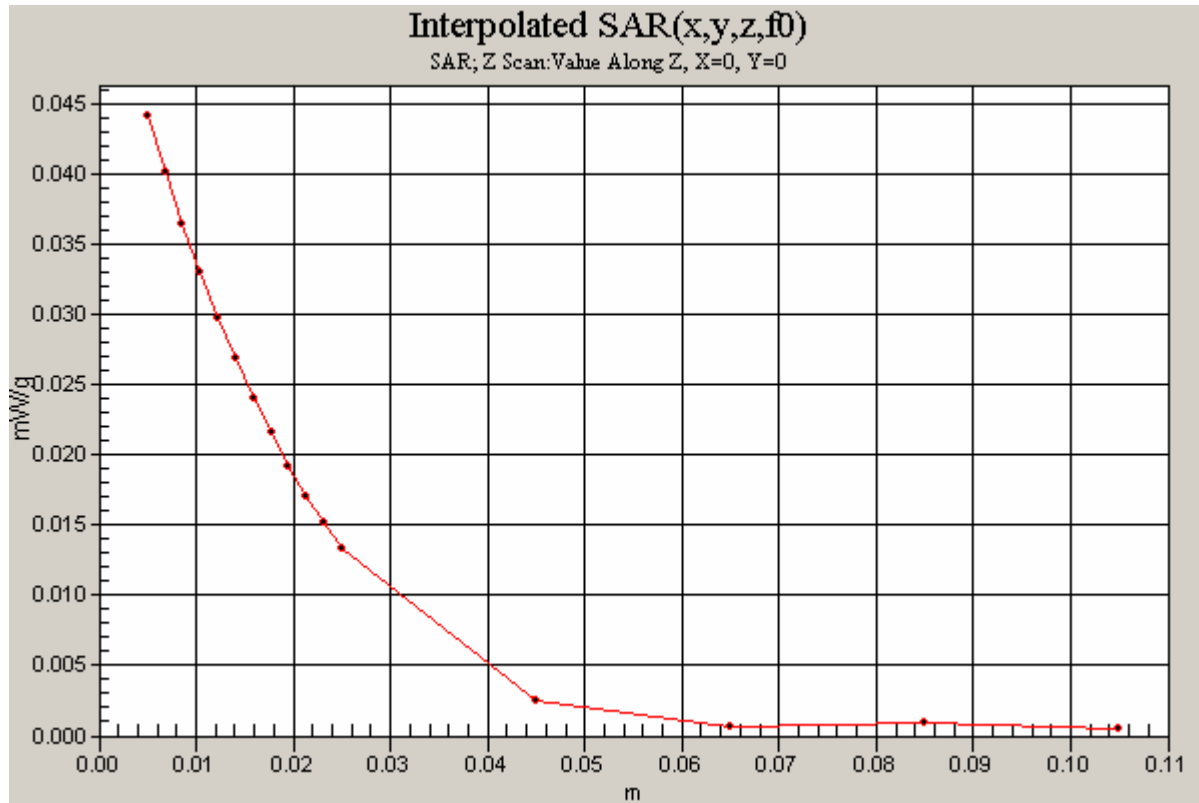
Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.106 mW/g ; SAR(10 g) = 0.062 mW/g

Maximum value of SAR (measured) = 0.117 mW/g



0 dB = 0.117 mW/g



Test Laboratory: KTL

EF90 GPRS1900 Ch.512 Body – Rear facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.080 mW/g

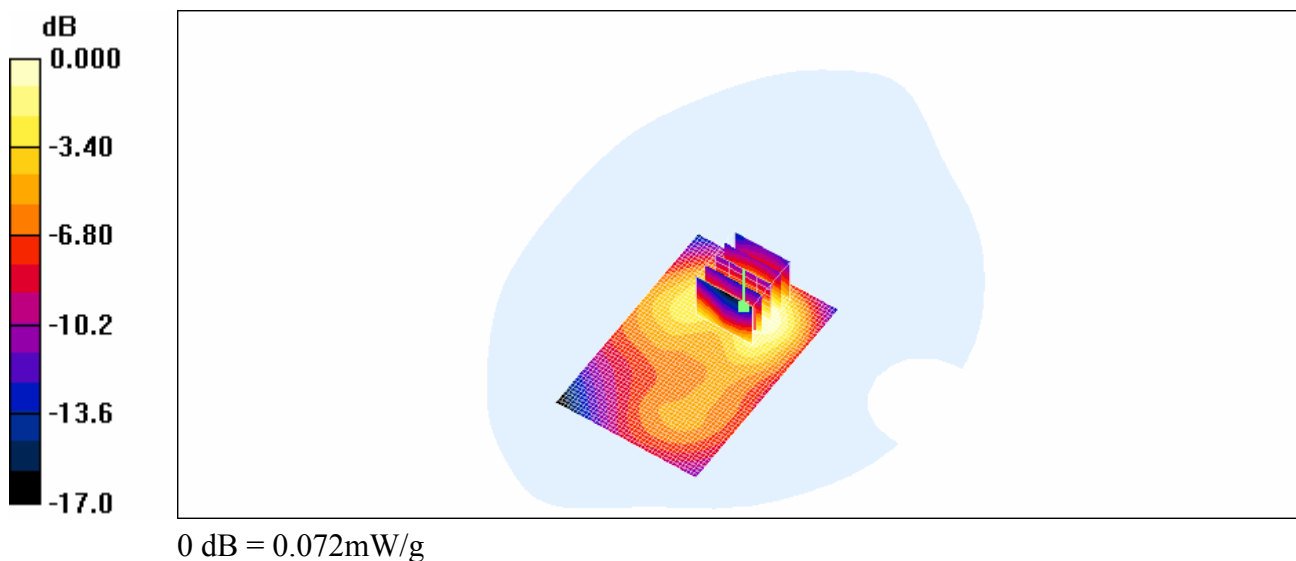
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.65 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.072 mW/g



Test Laboratory: KTL

EF90 GPRS1900 Ch.661 Body – Rear facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.090 mW/g

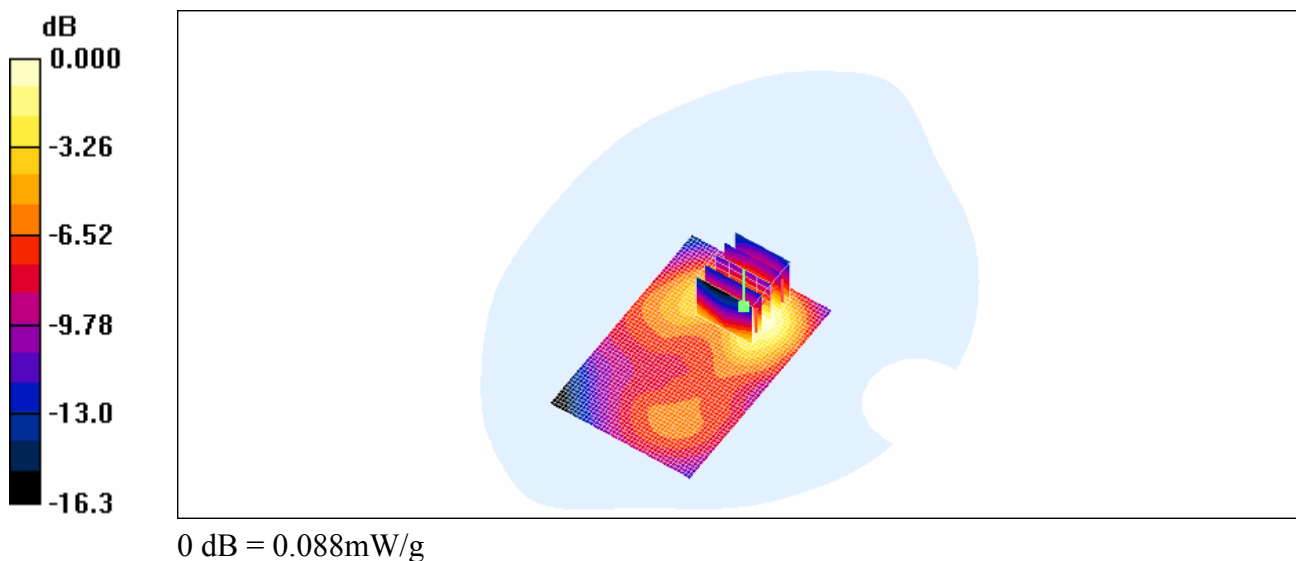
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.20 V/m ; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.081 mW/g ; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.088 mW/g



Test Laboratory: KTL

EF90 GPRS1900 Ch.810 Body – Rear facing phantom

***Test Date : 28th/Sept/2007**

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

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

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

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_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Area Scan (41x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.107 mW/g

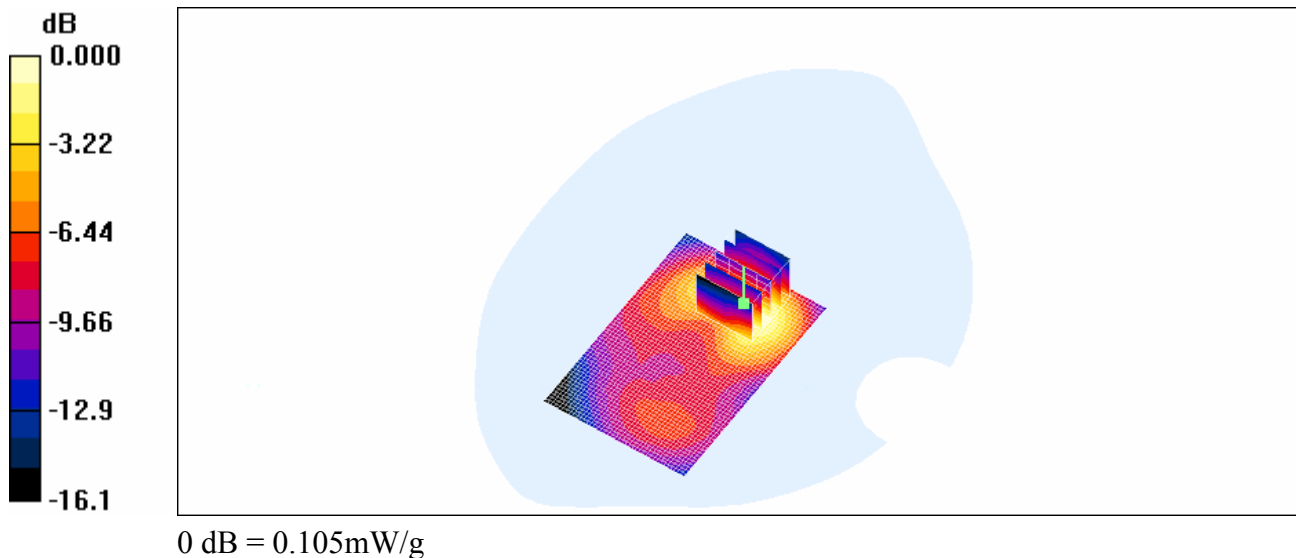
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.72 V/m ; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.095 mW/g ; SAR(10 g) = 0.056 mW/g

Maximum value of SAR (measured) = 0.105 mW/g



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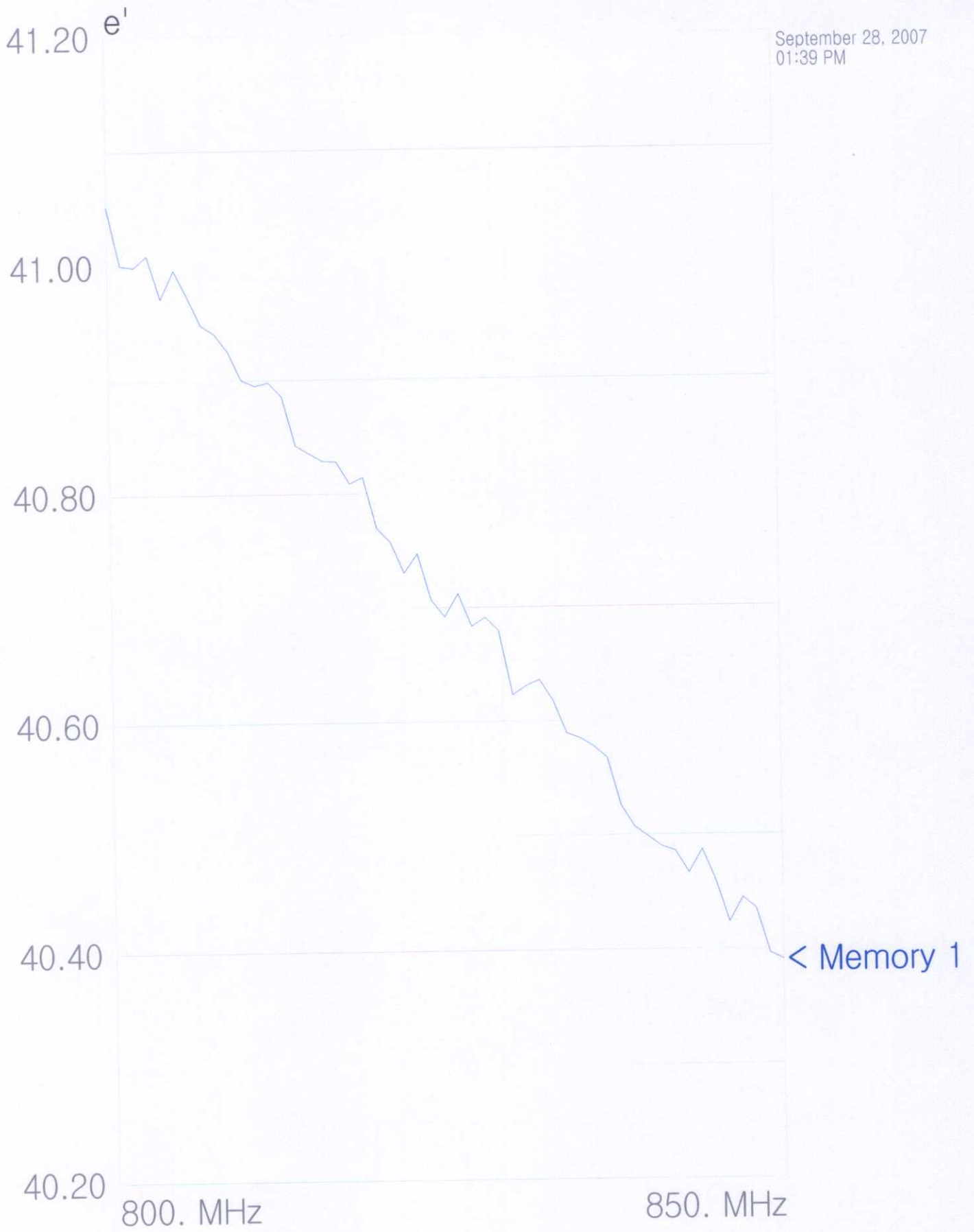
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Frequency	e'	e''
800.000000 MHz	41.0521	18.8585
800.972940 MHz	41.0010	18.8564
801.945880 MHz	40.9993	18.8359
802.918821 MHz	41.0093	18.8392
803.891761 MHz	40.9716	18.8661
804.864701 MHz	40.9964	18.8439
805.843557 MHz	40.9736	18.8452
806.822414 MHz	40.9482	18.8364
807.801270 MHz	40.9409	18.8551
808.780127 MHz	40.9256	18.8437
809.758983 MHz	40.9003	18.8350
810.743792 MHz	40.8952	18.8209
811.728601 MHz	40.8980	18.8368
812.713410 MHz	40.8856	18.8355
813.698219 MHz	40.8425	18.7996
814.683027 MHz	40.8355	18.8181
815.673825 MHz	40.8286	18.8366
816.664622 MHz	40.8281	18.8001
817.655419 MHz	40.8087	18.8113
818.646217 MHz	40.8140	18.8158
819.637014 MHz	40.7695	18.8125
820.633836 MHz	40.7574	18.8111
821.630658 MHz	40.7305	18.8137
822.627481 MHz	40.7472	18.8205
823.624303 MHz	40.7066	18.8110
824.621125 MHz	40.6920	18.7997
825.624009 MHz	40.7122	18.8001
826.626893 MHz	40.6834	18.8139
827.629776 MHz	40.6912	18.8072
828.632660 MHz	40.6794	18.8057
829.635544 MHz	40.6232	18.7954
830.644526 MHz	40.6311	18.7887
831.653508 MHz	40.6363	18.7722
832.662491 MHz	40.6176	18.7832
833.671473 MHz	40.5891	18.7969
834.680455 MHz	40.5847	18.7831
835.695573 MHz	40.5776	18.7596
836.710690 MHz	40.5674	18.7630
837.725808 MHz	40.5256	18.7648
838.740926 MHz	40.5067	18.7550
839.756043 MHz	40.4984	18.7268
840.777334 MHz	40.4899	18.7922
841.798624 MHz	40.4857	18.7785

842.819915 MHz	40.4665	18.7481
843.841205 MHz	40.4869	18.7484
844.862496 MHz	40.4591	18.7619
845.889997 MHz	40.4234	18.7466
846.917498 MHz	40.4447	18.7311
847.944998 MHz	40.4349	18.7345
848.972499 MHz	40.3960	18.7253
850.000000 MHz	40.3906	18.7069

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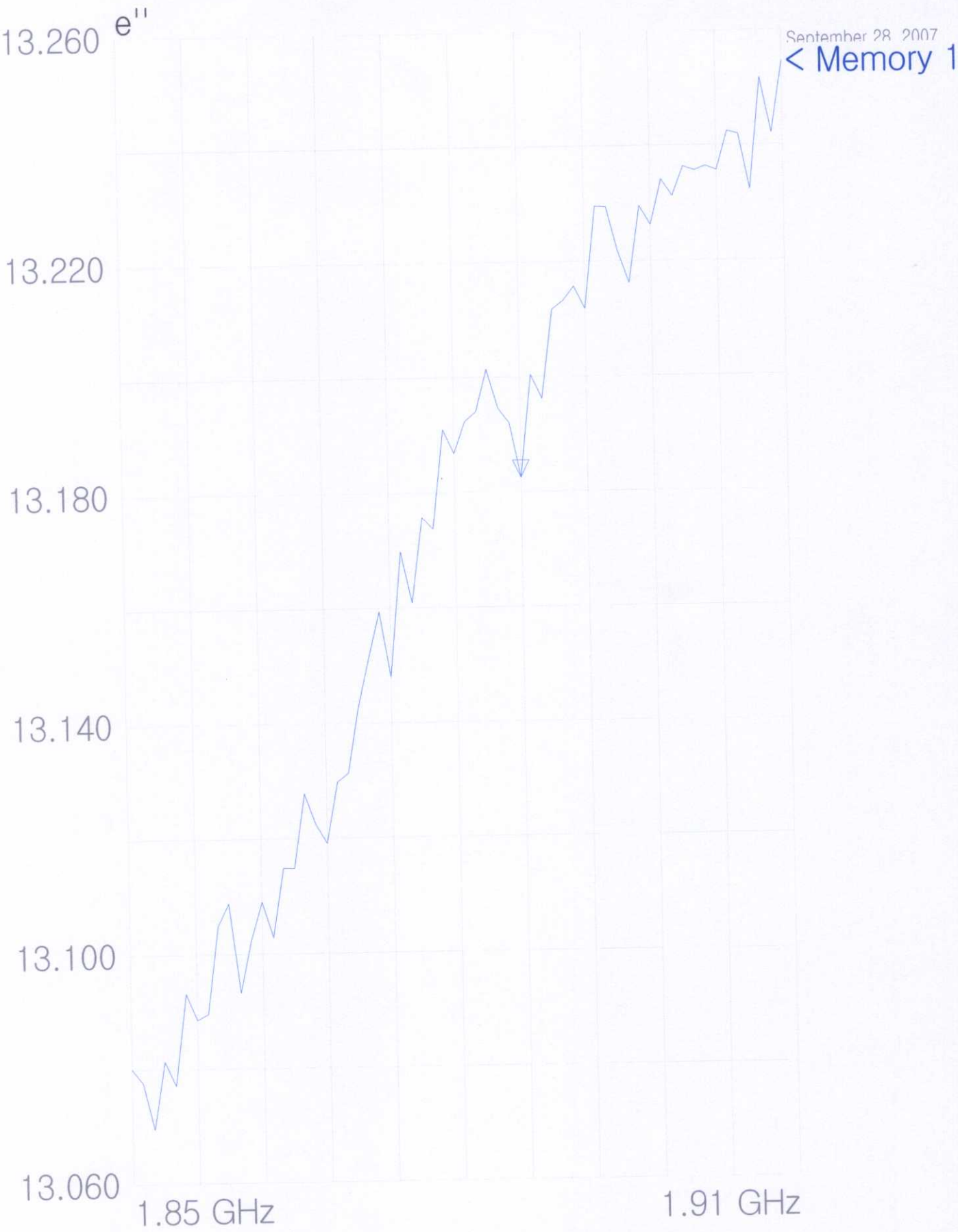
September 28, 2007
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Frequency	e'	e''
800.000000 MHz	53.3871	20.7256
800.972940 MHz	53.3897	20.7038
801.945880 MHz	53.3742	20.7278
802.918821 MHz	53.3755	20.7347
803.891761 MHz	53.3330	20.7455
804.864701 MHz	53.3374	20.7287
805.843557 MHz	53.3423	20.7455
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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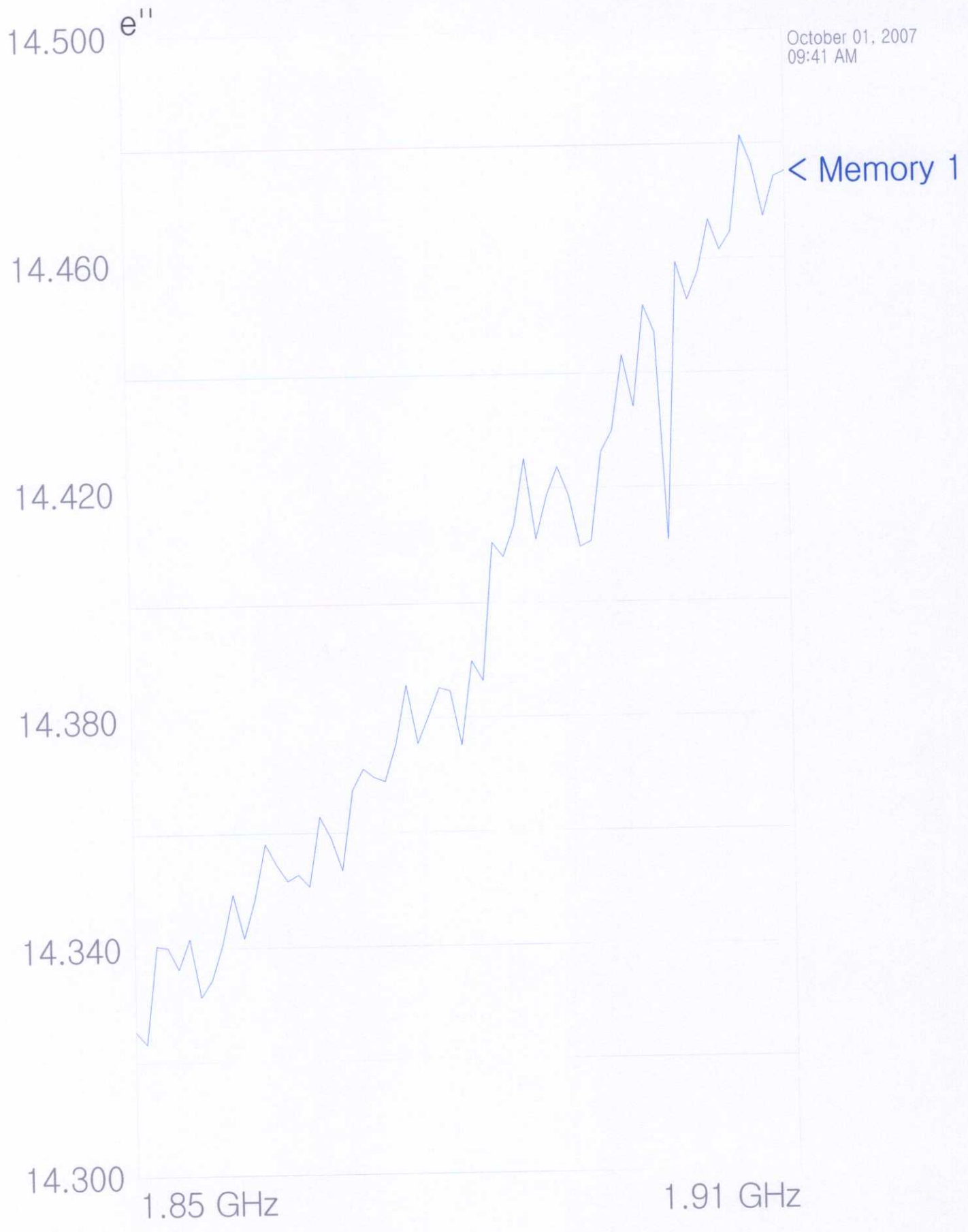
Frequency	e'	e''
1.850000000 GHz	39.7082	13.0801
1.851000000 GHz	39.7076	13.0776
1.852000000 GHz	39.7064	13.0695
1.853000000 GHz	39.6878	13.0814
1.854000000 GHz	39.6710	13.0771
1.855000000 GHz	39.6791	13.0932
1.856000000 GHz	39.6772	13.0886
1.857000000 GHz	39.6758	13.0896
1.858000000 GHz	39.6804	13.1049
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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09:41 AM



Frequency	e'	e''
1.850000000 GHz	51.9227	14.3254
1.850985698 GHz	51.8958	14.3232
1.851971397 GHz	51.9002	14.3405
1.852957095 GHz	51.9000	14.3402
1.853942793 GHz	51.9040	14.3364
1.854928492 GHz	51.9015	14.3417
1.855914190 GHz	51.8964	14.3314
1.856903039 GHz	51.8884	14.3344
1.857891889 GHz	51.8725	14.3406
1.858880738 GHz	51.8661	14.3494
1.859869588 GHz	51.8703	14.3417
1.860858437 GHz	51.8621	14.3484
1.861847287 GHz	51.8709	14.3582
1.862839297 GHz	51.8501	14.3545
1.863831308 GHz	51.8407	14.3516
1.864823319 GHz	51.8348	14.3527
1.865815329 GHz	51.8368	14.3506
1.866807340 GHz	51.8265	14.3628
1.867799351 GHz	51.8057	14.3591
1.868794533 GHz	51.8118	14.3534
1.869789715 GHz	51.7995	14.3674
1.870784896 GHz	51.8030	14.3711
1.871780078 GHz	51.7879	14.3696
1.872775260 GHz	51.7842	14.3689
1.873770442 GHz	51.7724	14.3753
1.874768806 GHz	51.7642	14.3858
1.875767169 GHz	51.7592	14.3755
1.876765533 GHz	51.7533	14.3803
1.877763896 GHz	51.7474	14.3852
1.878762260 GHz	51.7475	14.3847
1.879760623 GHz	51.7539	14.3751
1.880762178 GHz	51.7246	14.3899
1.881763733 GHz	51.7079	14.3864
1.882765288 GHz	51.7084	14.4106
1.883766843 GHz	51.7068	14.4081
1.884768398 GHz	51.7123	14.4136
1.885769953 GHz	51.6947	14.4252
1.886774710 GHz	51.6901	14.4111
1.887779467 GHz	51.6690	14.4187
1.888784224 GHz	51.6670	14.4237
1.889788981 GHz	51.6562	14.4187
1.890793738 GHz	51.6418	14.4097
1.891798495 GHz	51.6363	14.4107

1.892806464 GHz	51.6224	14.4263
1.893814433 GHz	51.6300	14.4299
1.894822402 GHz	51.6068	14.4431
1.895830371 GHz	51.6246	14.4341
1.896838340 GHz	51.6163	14.4519
1.897846309 GHz	51.6093	14.4471
1.898857500 GHz	51.6420	14.4107
1.899868691 GHz	51.5829	14.4594
1.900879883 GHz	51.5779	14.4528
1.901891074 GHz	51.5761	14.4577
1.902902265 GHz	51.5816	14.4668
1.903913456 GHz	51.5672	14.4615
1.904927880 GHz	51.5674	14.4646
1.905942304 GHz	51.5762	14.4814
1.906956728 GHz	51.5656	14.4764
1.907971152 GHz	51.5515	14.4673
1.908985576 GHz	51.5515	14.4742
1.910000000 GHz	51.5463	14.4751