

#55 GSM850_GSM_Right Cheek_Ch128

DUT: 130415-02

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium: HSL_850_110603 Medium parameters used : $f = 824.2 \text{ MHz}$; $\sigma = 0.918 \text{ mho/m}$; $\epsilon_r = 43.3$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch128/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 0.473 mW/g

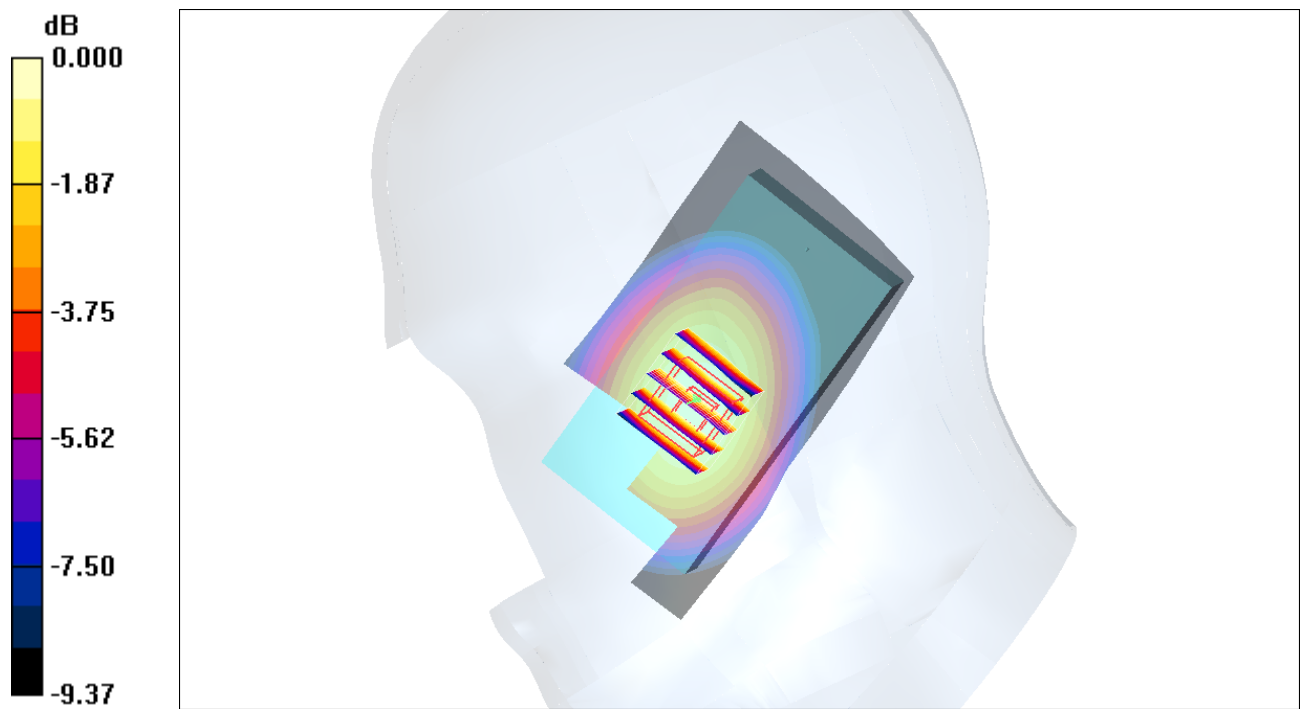
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.66 V/m ; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.465 mW/g ; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.482 mW/g



0 dB = 0.482mW/g

#55 GSM850_GSM_Right Cheek_Ch128_2D

DUT: 130415-02

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium: HSL_850_110603 Medium parameters used : $f = 824.2 \text{ MHz}$; $\sigma = 0.918 \text{ mho/m}$; $\epsilon_r = 43.3$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch128/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 0.473 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.66 V/m ; Power Drift = 0.030 dB

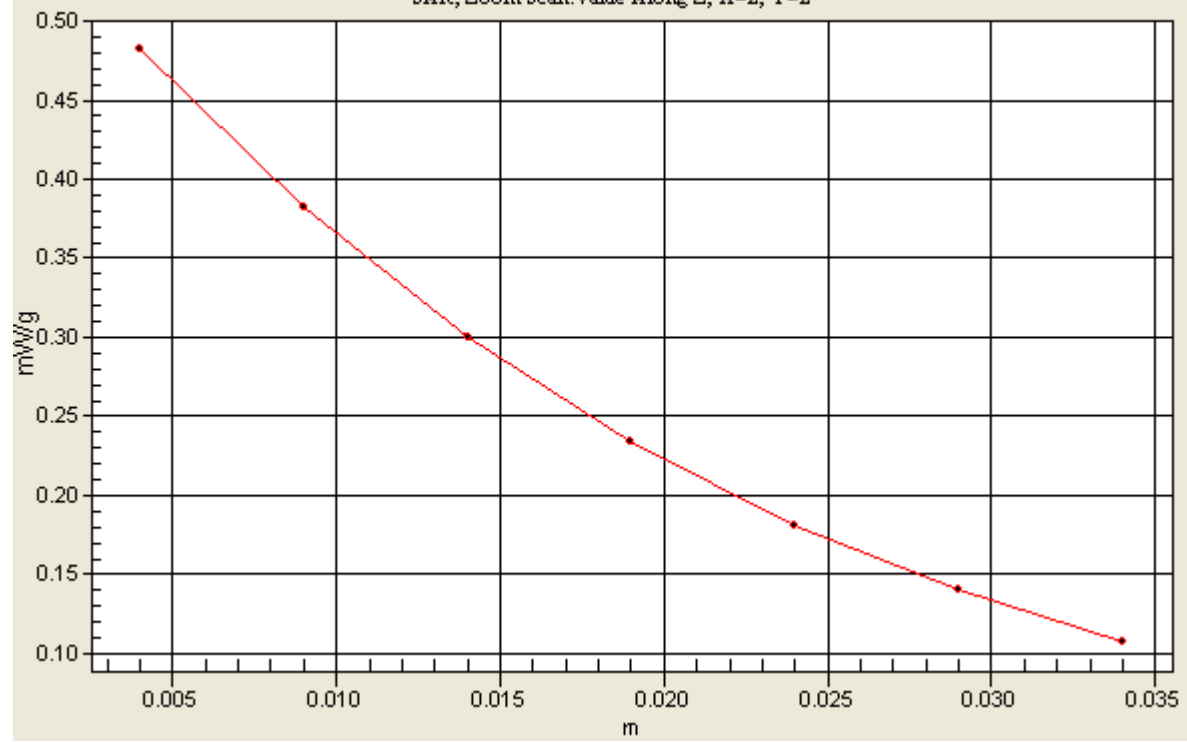
Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.465 mW/g ; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.482 mW/g

1g/10g Averaged SAR

SAR, Zoom Scan: Value Along Z, X=2, Y=2



#56 GSM1900_GSM_Right Cheek_Ch661

DUT: 130415-02

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL_1900_110603 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.39, 7.39, 7.39); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch661/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.653 mW/g

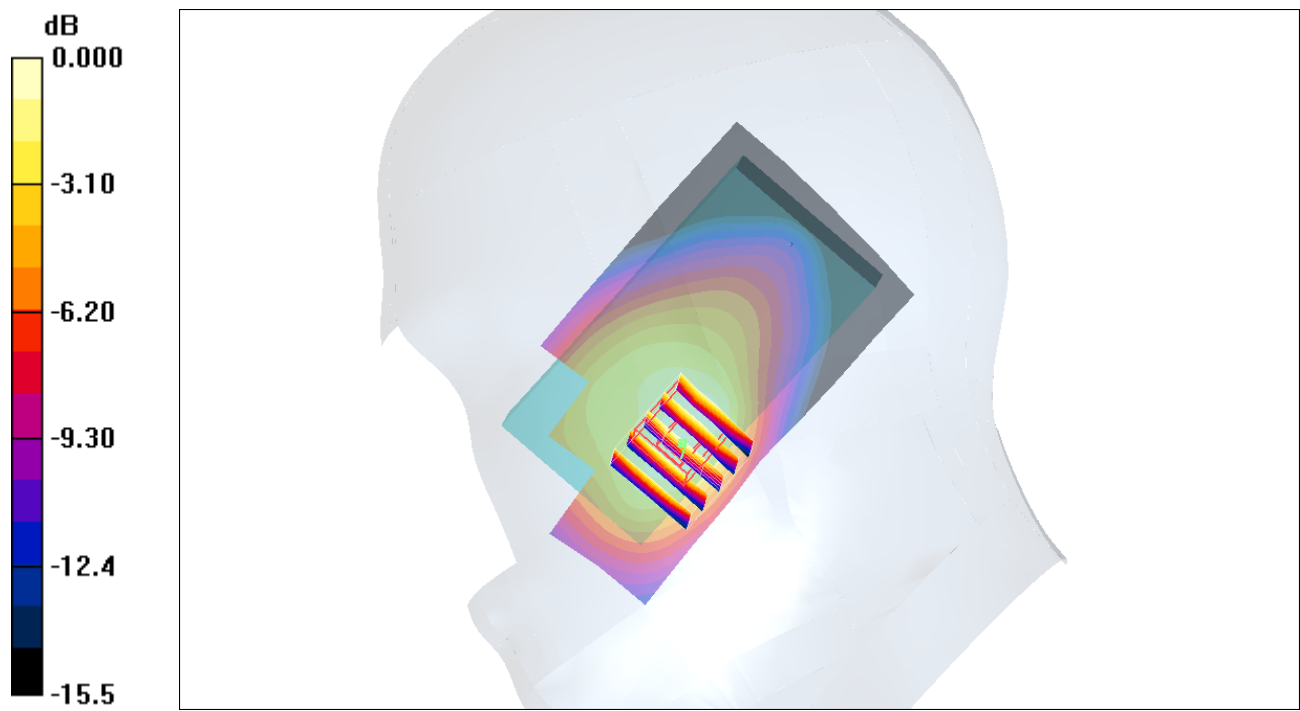
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.78 V/m ; Power Drift = 0.184 dB

Peak SAR (extrapolated) = 0.876 W/kg

SAR(1 g) = 0.555 mW/g ; SAR(10 g) = 0.342 mW/g

Maximum value of SAR (measured) = 0.604 mW/g



0 dB = 0.604mW/g

#56 GSM1900_GSM_Right Cheek_Ch661_2D

DUT: 130415-02

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL_1900_110603 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.39, 7.39, 7.39); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch661/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.653 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.78 V/m ; Power Drift = 0.184 dB

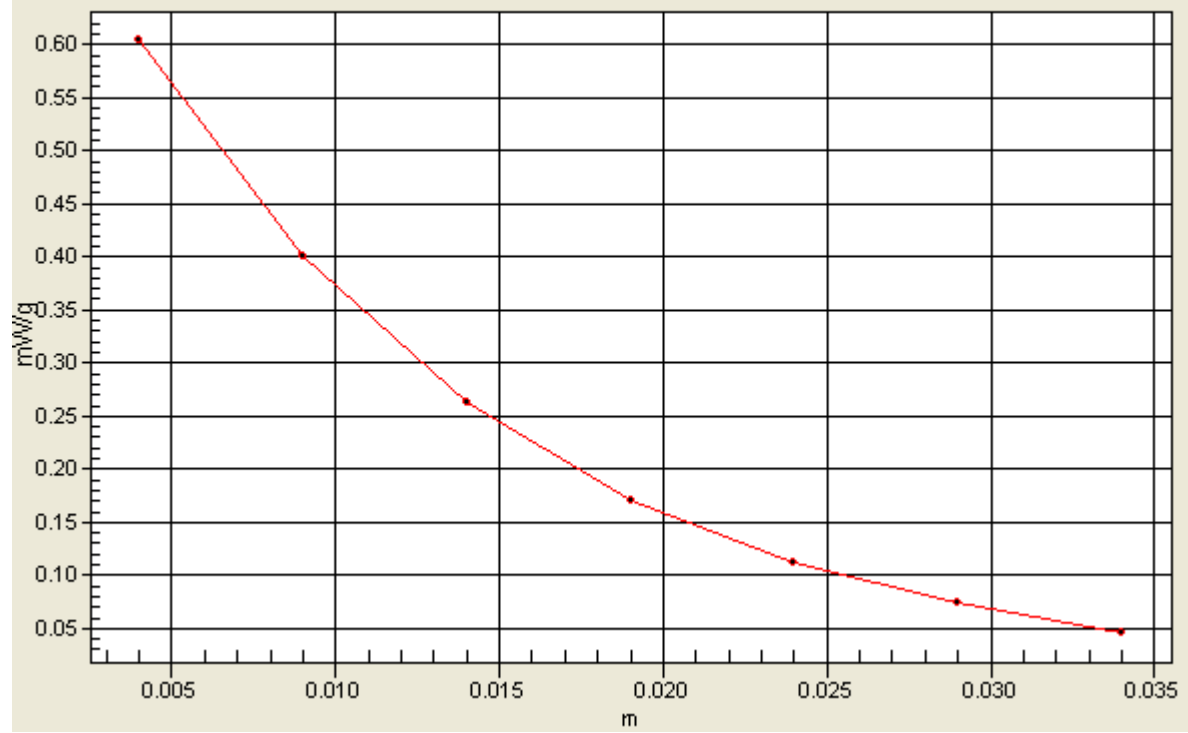
Peak SAR (extrapolated) = 0.876 W/kg

SAR(1 g) = 0.555 mW/g ; SAR(10 g) = 0.342 mW/g

Maximum value of SAR (measured) = 0.604 mW/g

1g/10g Averaged SAR

SAR, Zoom Scan: Value Along Z, X=2, Y=2



#54 GSM850_GPRS10_Bottom_1cm_Ch128

DUT: 130415

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium: MSL_850_110603 Medium parameters used : $f = 824.2 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch128/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.829 mW/g

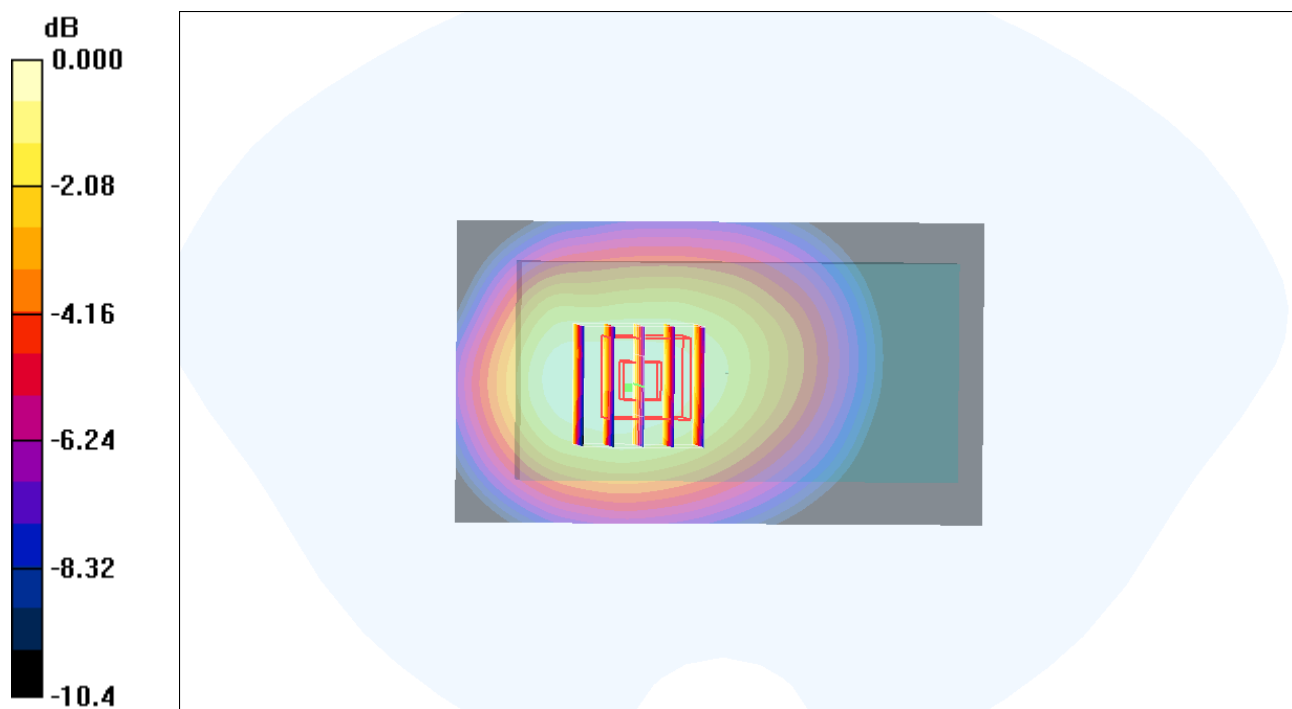
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.1 V/m ; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.801 mW/g ; SAR(10 g) = 0.581 mW/g

Maximum value of SAR (measured) = 0.848 mW/g



0 dB = 0.848mW/g

#59 GSM850_GPRS10_Bottom_1cm_Ch189

DUT: 130415

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4
Medium: MSL_850_110603 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.998$
 mho/m ; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.966 mW/g

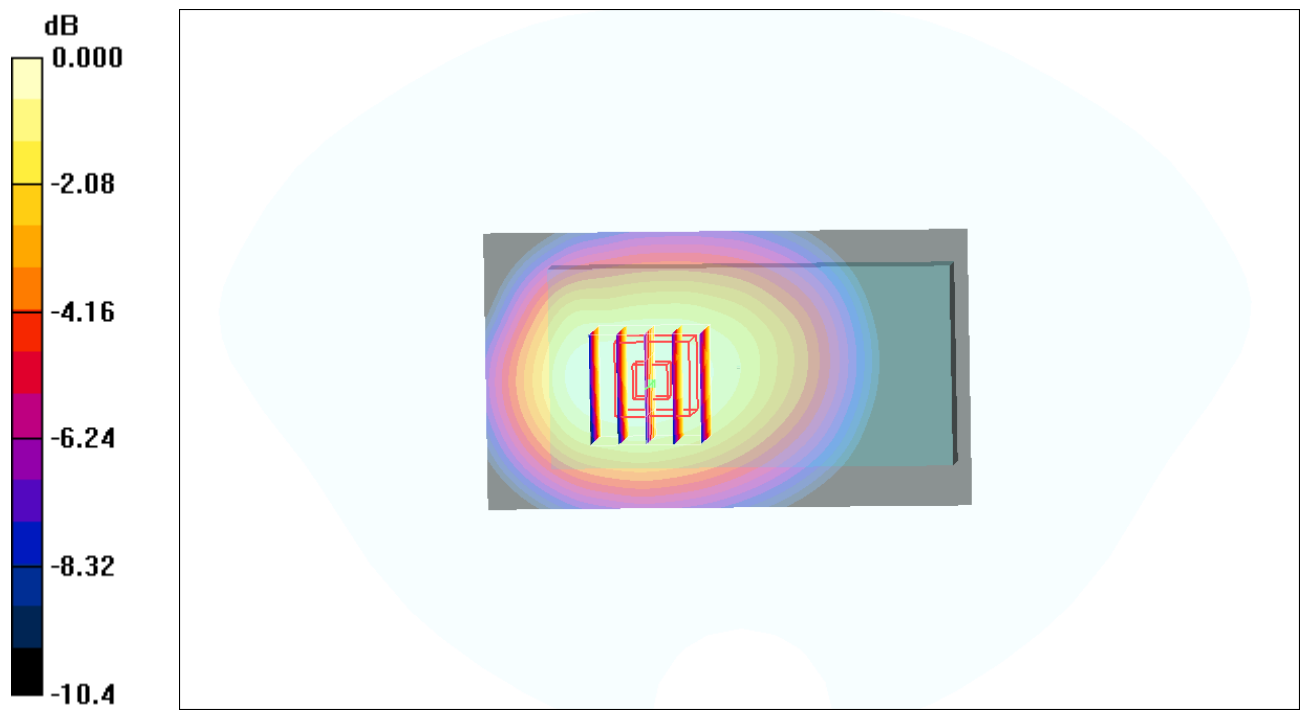
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.2 V/m ; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.921 mW/g ; SAR(10 g) = 0.669 mW/g

Maximum value of SAR (measured) = 0.977 mW/g



0 dB = 0.977mW/g

#59 GSM850_GPRS10_Bottom_1cm_Ch189_2D

DUT: 130415

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4
Medium: MSL_850_110603 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.998$
 mho/m ; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.966 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.2 V/m ; Power Drift = -0.074 dB

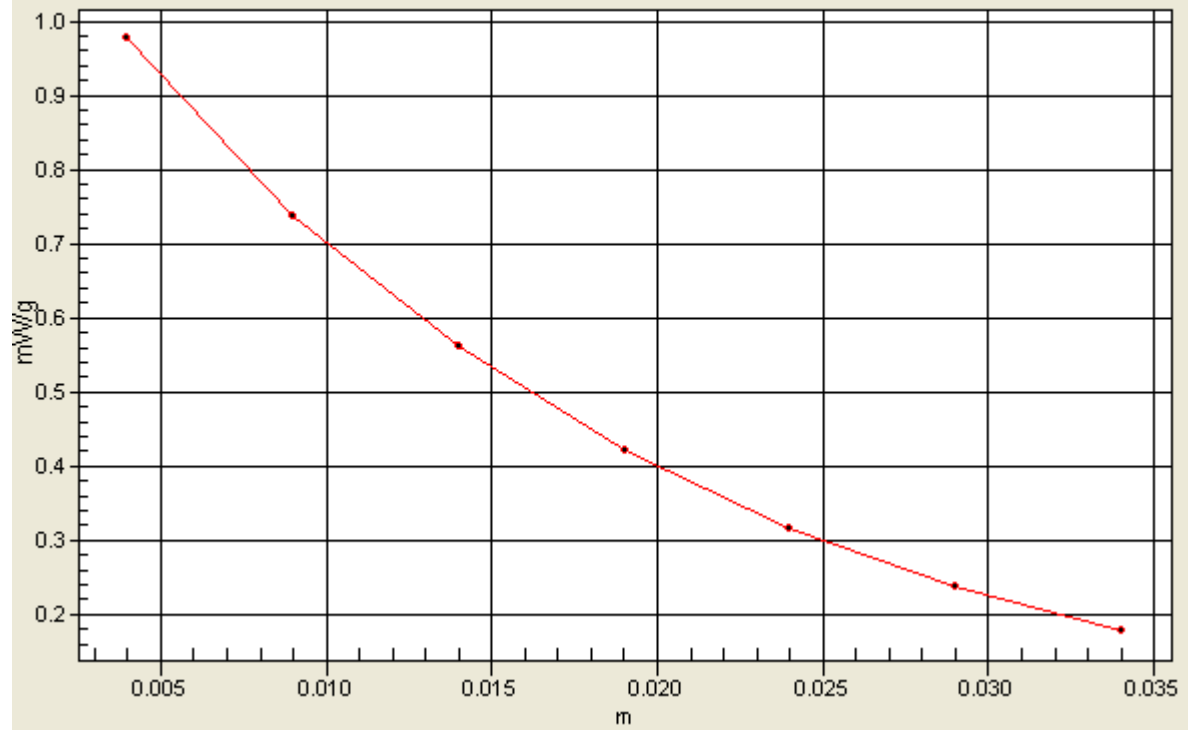
Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.921 mW/g ; SAR(10 g) = 0.669 mW/g

Maximum value of SAR (measured) = 0.977 mW/g

1g/10g Averaged SAR

SAR, Zoom Scan: Value Along Z, X=2, Y=2



#60 GSM850_GPRS10_Bottom_1cm_Ch251

DUT: 130415

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: MSL_850_110603 Medium parameters used: $f = 849$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.884 mW/g

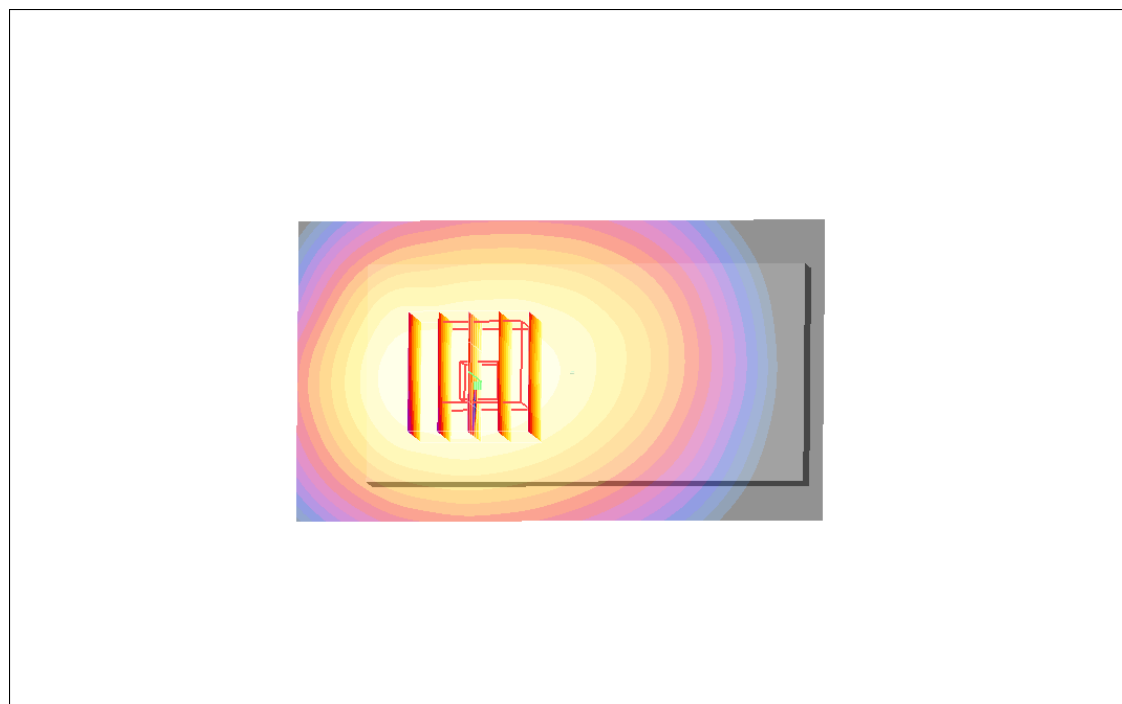
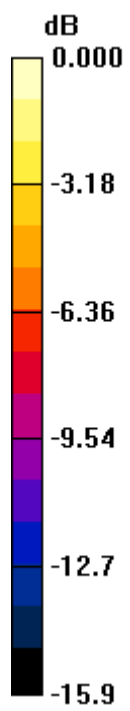
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.8 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.866 mW/g; SAR(10 g) = 0.614 mW/g

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



0 dB = 0.918mW/g

#53 GSM1900_GPRS12_Bottom_1cm_Ch661

DUT: 130415

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2
Medium: MSL_1900_110603 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch661/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 0.432 mW/g

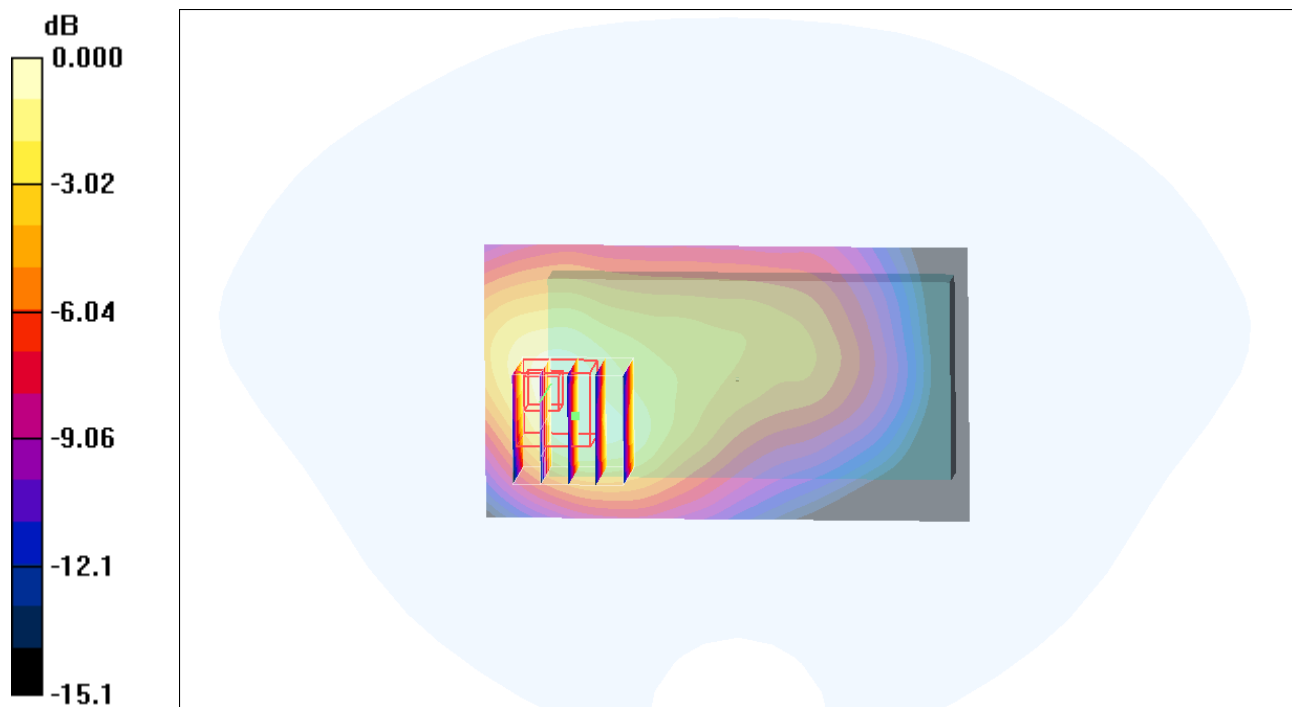
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.4 V/m ; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.399 mW/g ; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.431 mW/g



0 dB = 0.431mW/g

#53 GSM1900_GPRS12_Bottom_1cm_Ch661_2D

DUT: 130415

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2
Medium: MSL_1900_110603 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $22.6 \text{ }^\circ\text{C}$; Liquid Temperature : $21.6 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch661/Area Scan (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 0.432 mW/g

Ch661/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 = -0.026 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.399 mW/g ; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.431 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=3, Y=1

