

**#05 GSM850\_Right Cheek\_Ch251**

**DUT: 121406**

Communication System: Generic GSM; Frequency: 848.6 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_110221 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

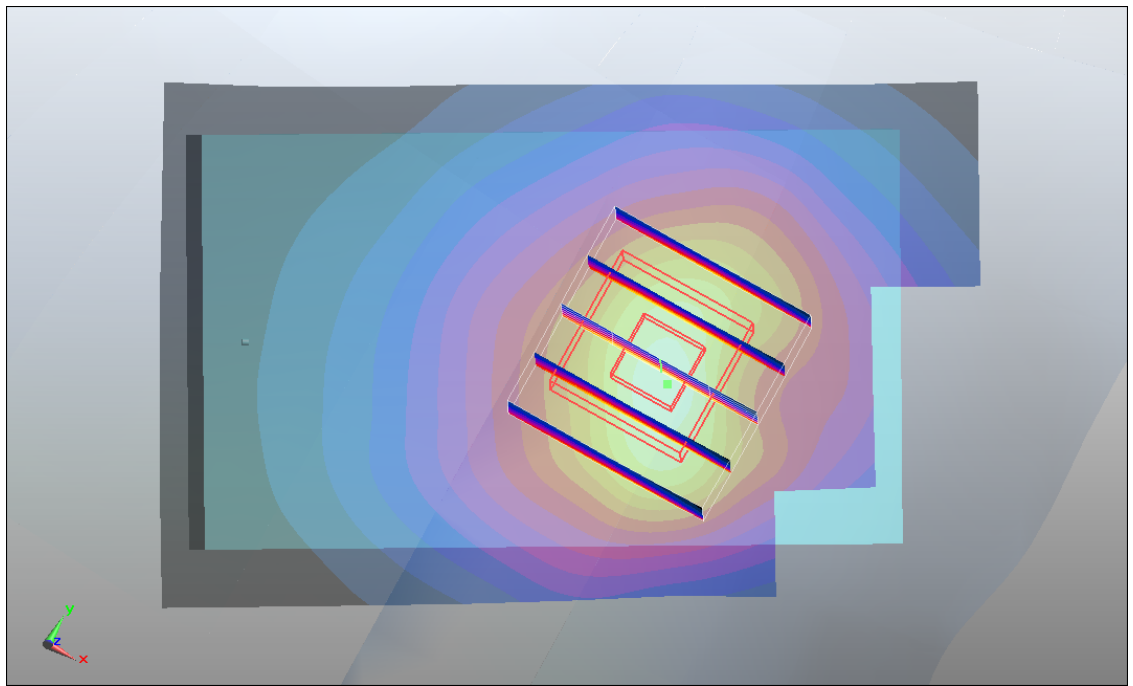
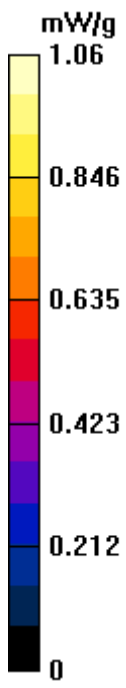
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.38 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.690 mW/g**

Maximum value of SAR (measured) = 1.06 mW/g



**#05 GSM850\_Right Cheek\_Ch251\_2D**

**DUT: 121406**

Communication System: Generic GSM; Frequency: 848.6 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_110221 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

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

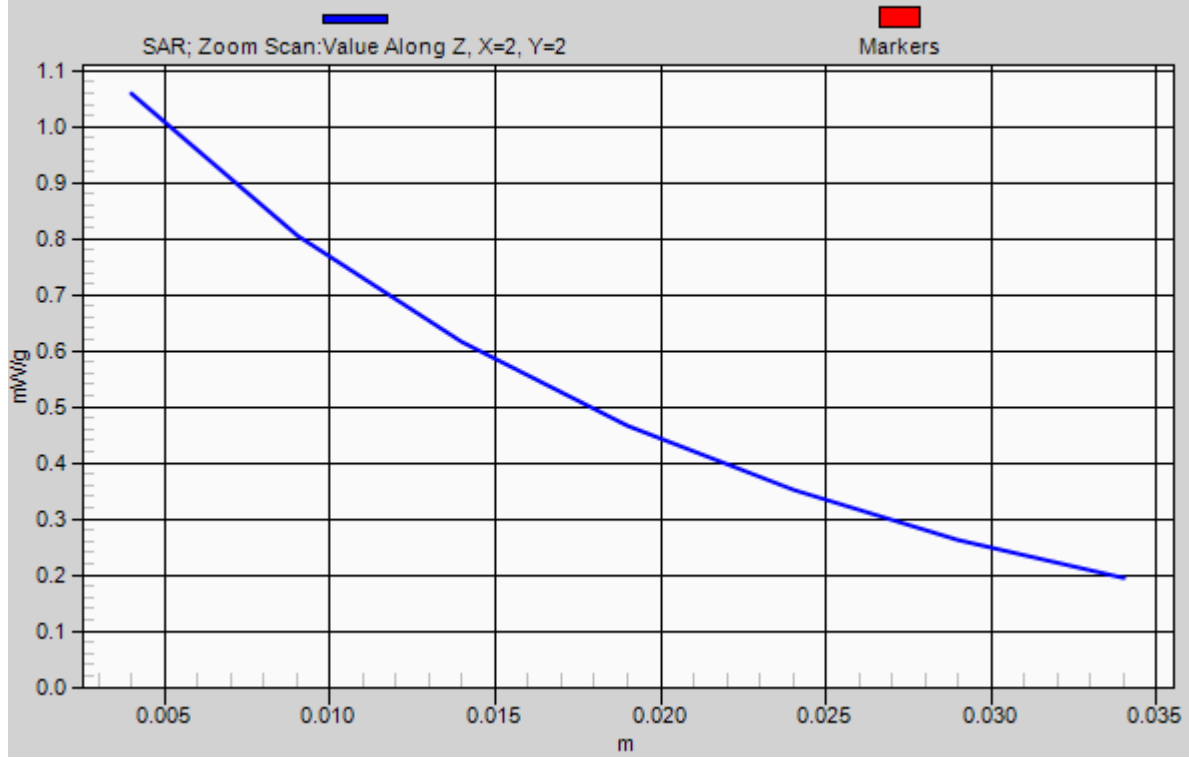
Reference Value = 9.38 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.690 mW/g**

Maximum value of SAR (measured) = 1.06 mW/g

# 1g/10g Averaged SAR



**#06 GSM850\_Right Cheek\_Ch128**

**DUT: 121406**

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

Medium: HSL\_835\_110221 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.891$  mho/m;  $\epsilon_r = 41.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch128/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.615 mW/g

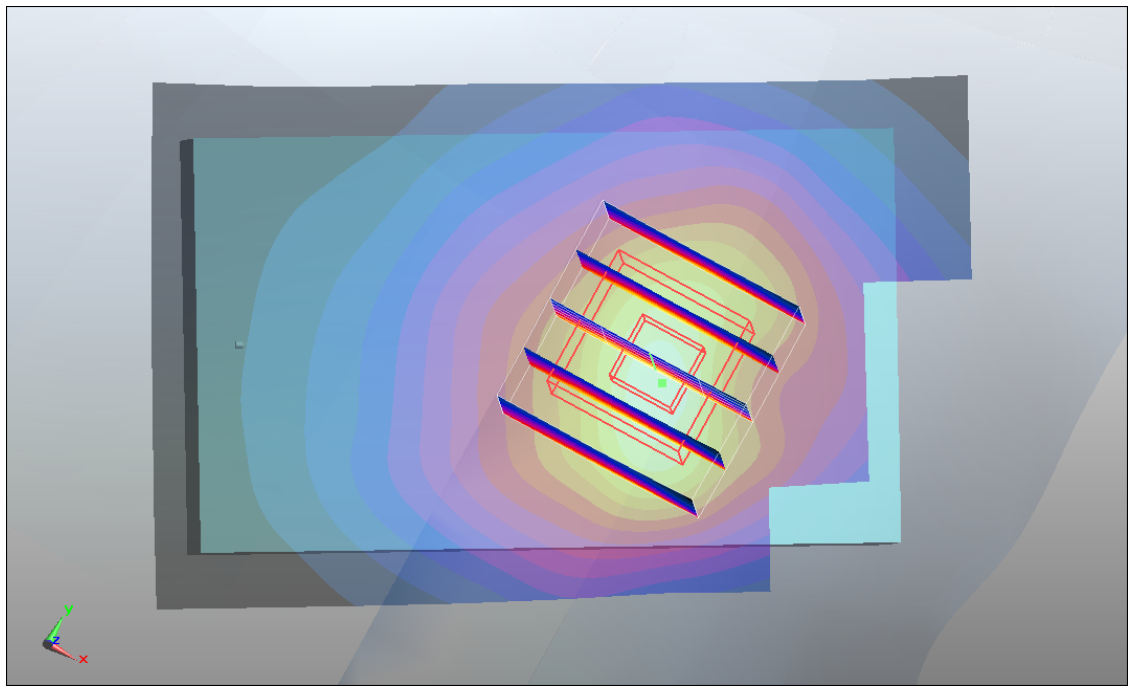
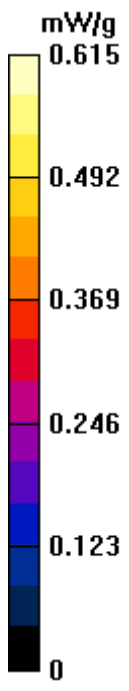
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.71 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.745 W/kg

**SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.407 mW/g**

Maximum value of SAR (measured) = 0.621 mW/g



**#07 GSM850\_Right Cheek\_Ch189**

**DUT: 121406**

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

Medium: HSL\_835\_110221 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.905$  mho/m;  $\epsilon_r = 41.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.813 mW/g

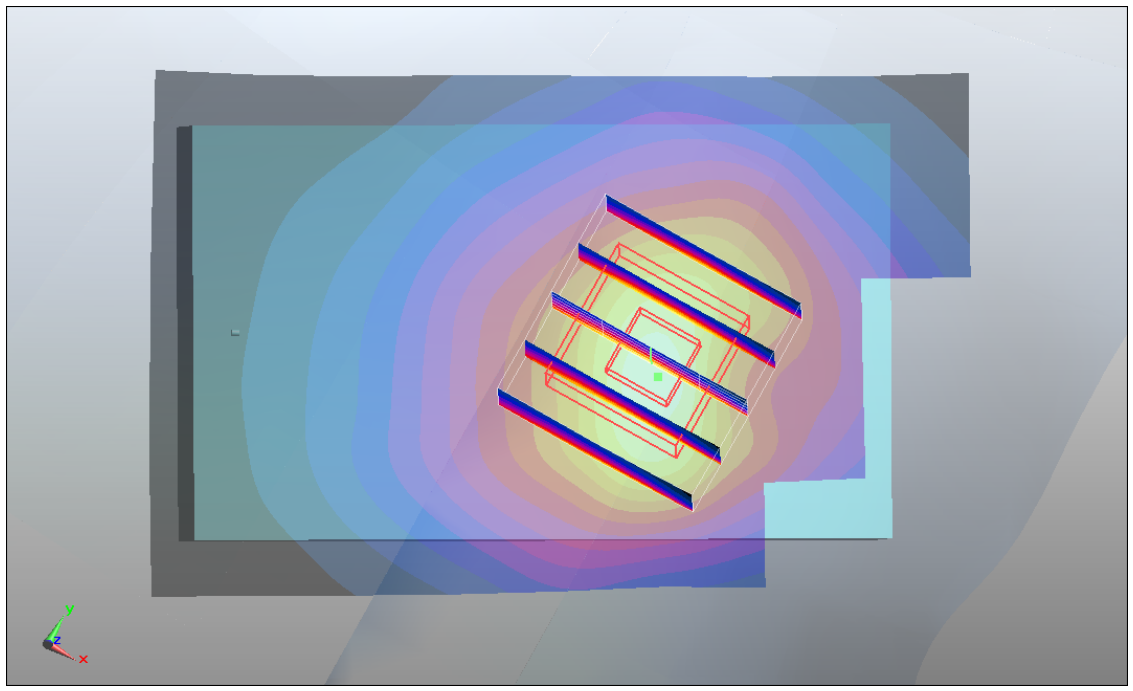
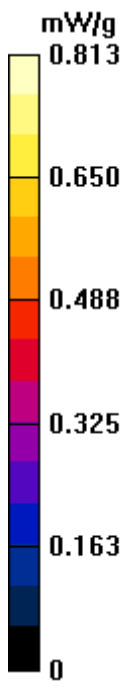
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.56 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.973 W/kg

**SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.531 mW/g**

Maximum value of SAR (measured) = 0.810 mW/g



**#08 GSM1900\_Left Cheek\_Ch661**

**DUT: 121406**

Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_110221 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(7.39, 7.39, 7.39); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch661/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.47 mW/g

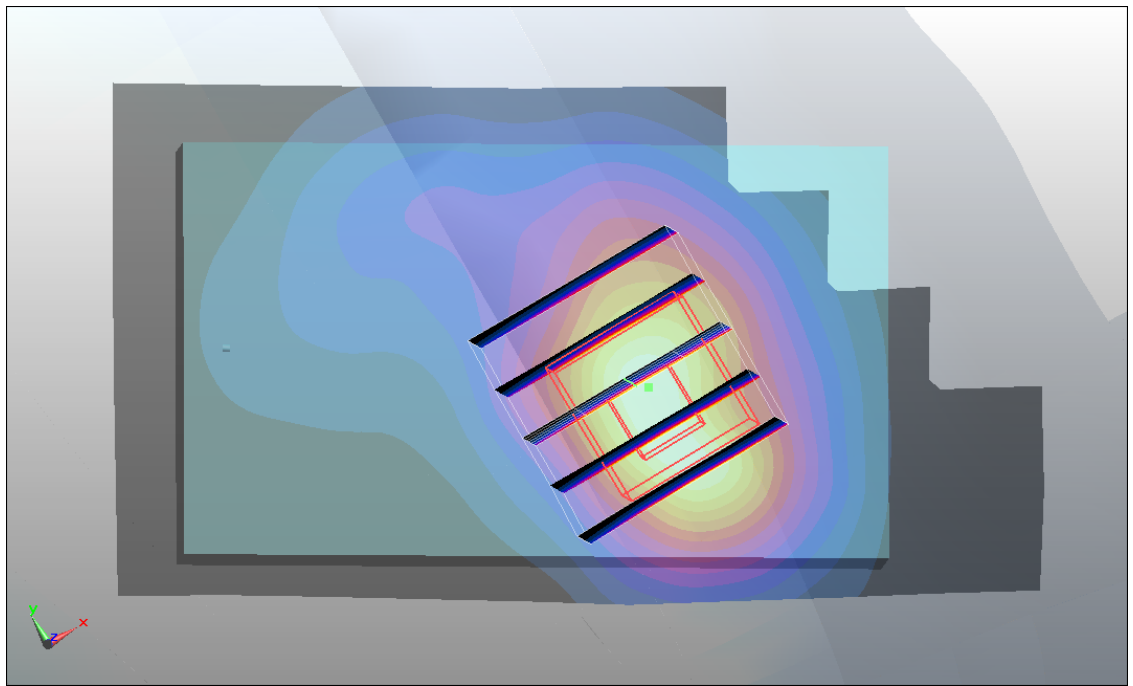
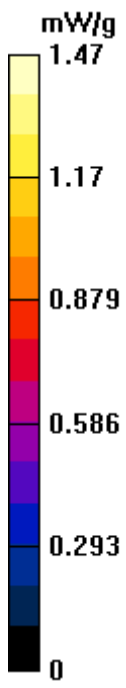
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 2.16 W/kg

**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.775 mW/g**

Maximum value of SAR (measured) = 1.43 mW/g



**#09 GSM1900\_Left Cheek\_Ch512**

**DUT: 121406**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_110221 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.1$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.39, 7.39, 7.39); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch512/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.47 mW/g

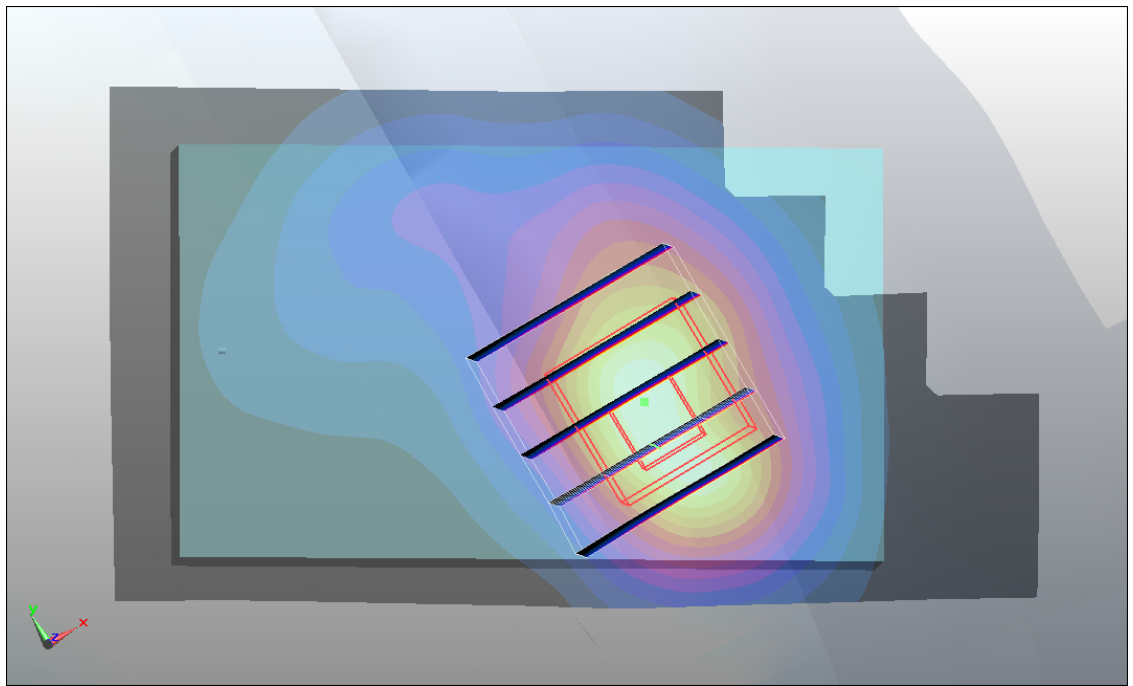
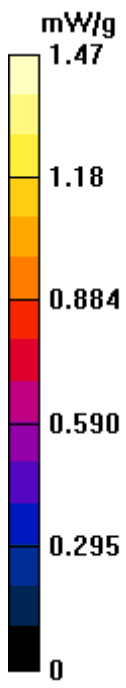
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.084 dB

Peak SAR (extrapolated) = 2.24 W/kg

**SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.791 mW/g**

Maximum value of SAR (measured) = 1.45 mW/g



**#09 GSM1900\_Left Cheek\_Ch512\_2D**

**DUT: 121406**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_110221 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.1$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.39, 7.39, 7.39); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch512/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.47 mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

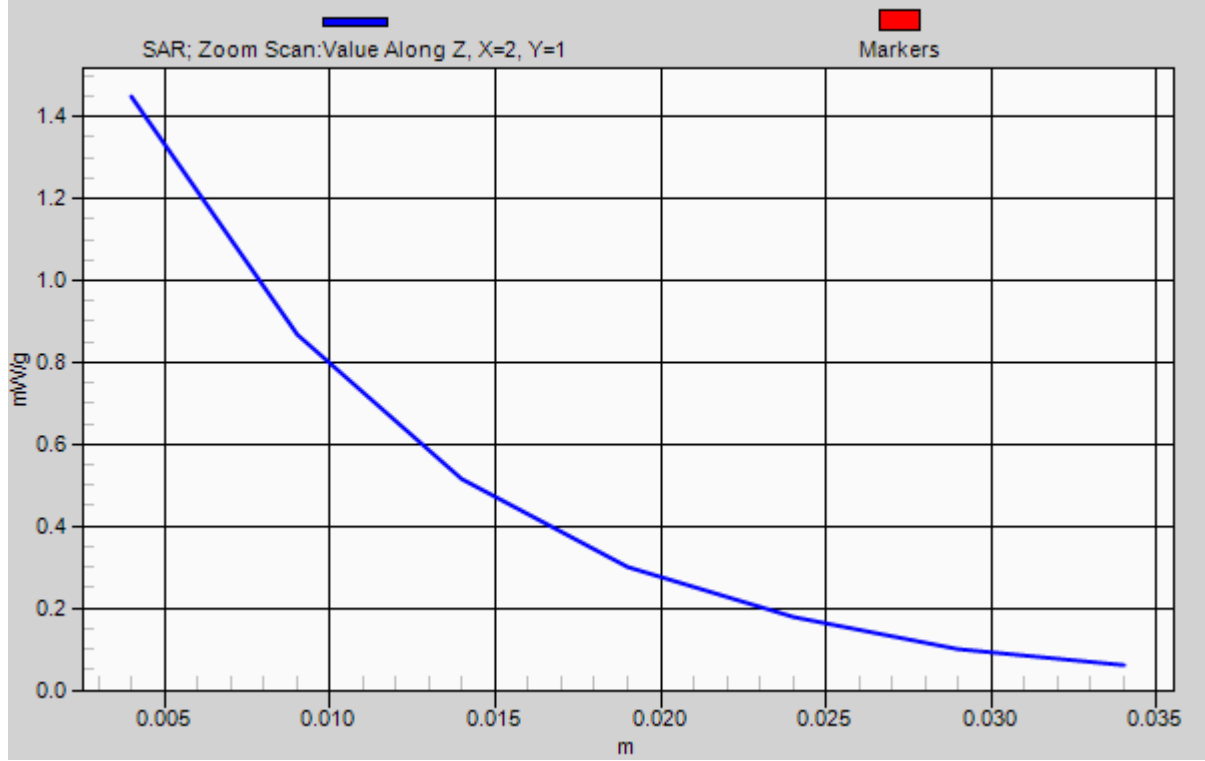
Reference Value = 10.4 V/m; Power Drift = 0.084 dB

Peak SAR (extrapolated) = 2.24 W/kg

**SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.791 mW/g**

Maximum value of SAR (measured) = 1.45 mW/g

# 1g/10g Averaged SAR



## #10 GSM1900\_Left Cheek\_Ch810

### DUT: 121406

Communication System: Generic GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_110221 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.39, 7.39, 7.39); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.49 mW/g

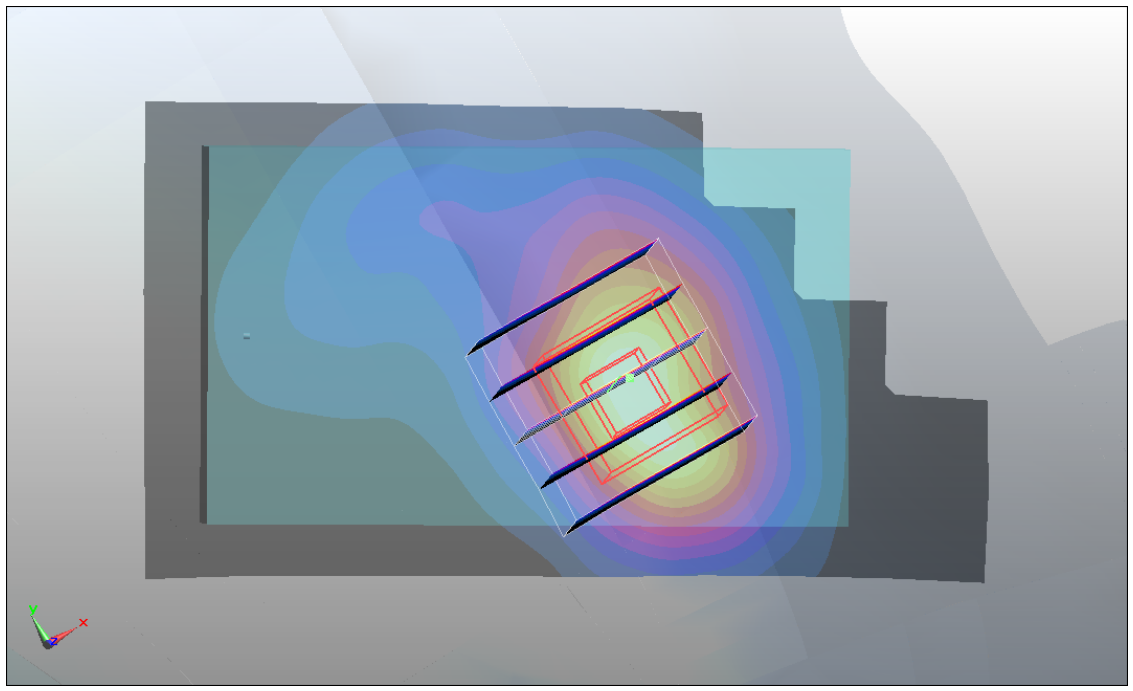
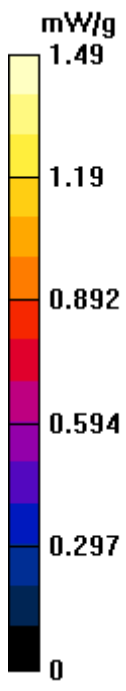
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.770 mW/g**

Maximum value of SAR (measured) = 1.43 mW/g



## #01 GSM850\_GPRS10\_Bottom\_1.5cm\_Ch189

### DUT: 121406

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL\_835\_110221 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.696 mW/g**

Maximum value of SAR (measured) = 1.1 mW/g

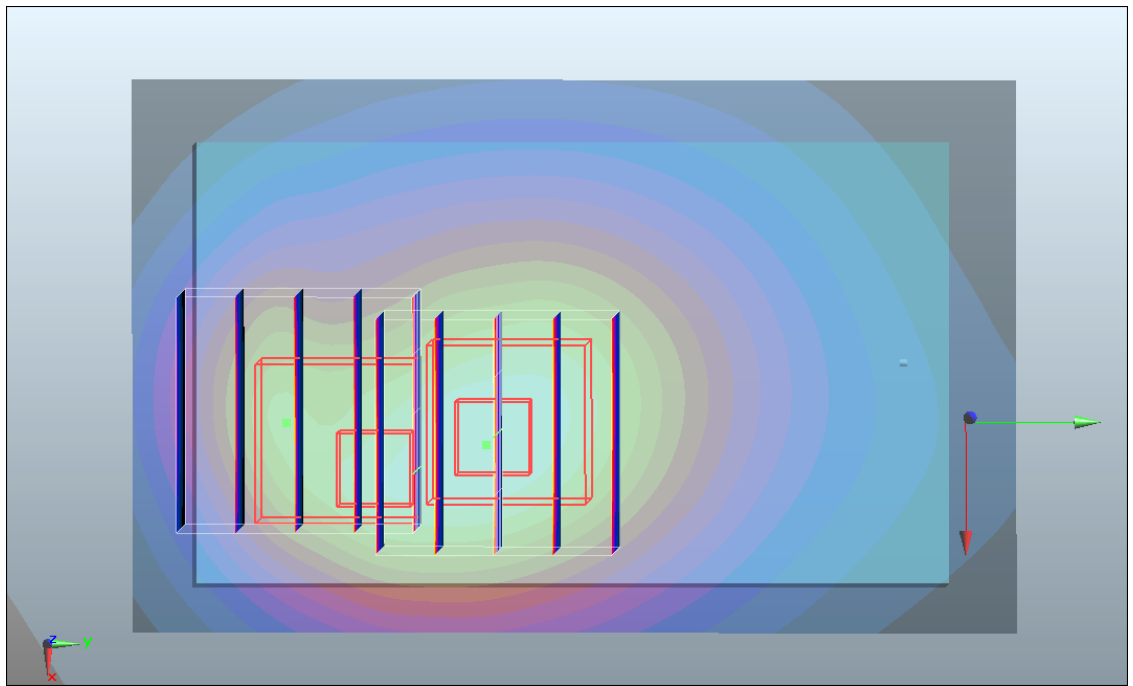
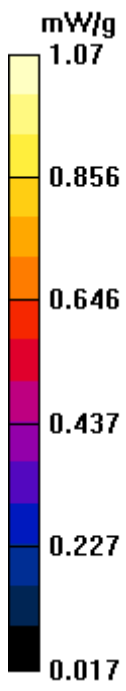
**Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.567 mW/g**

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



**#01 GSM850\_GPRS10\_Bottom\_1.5cm\_Ch189\_2D**

**DUT: 121406**

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL\_835\_110221 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r = 54.4$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.696 mW/g**

Maximum value of SAR (measured) = 1.1 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

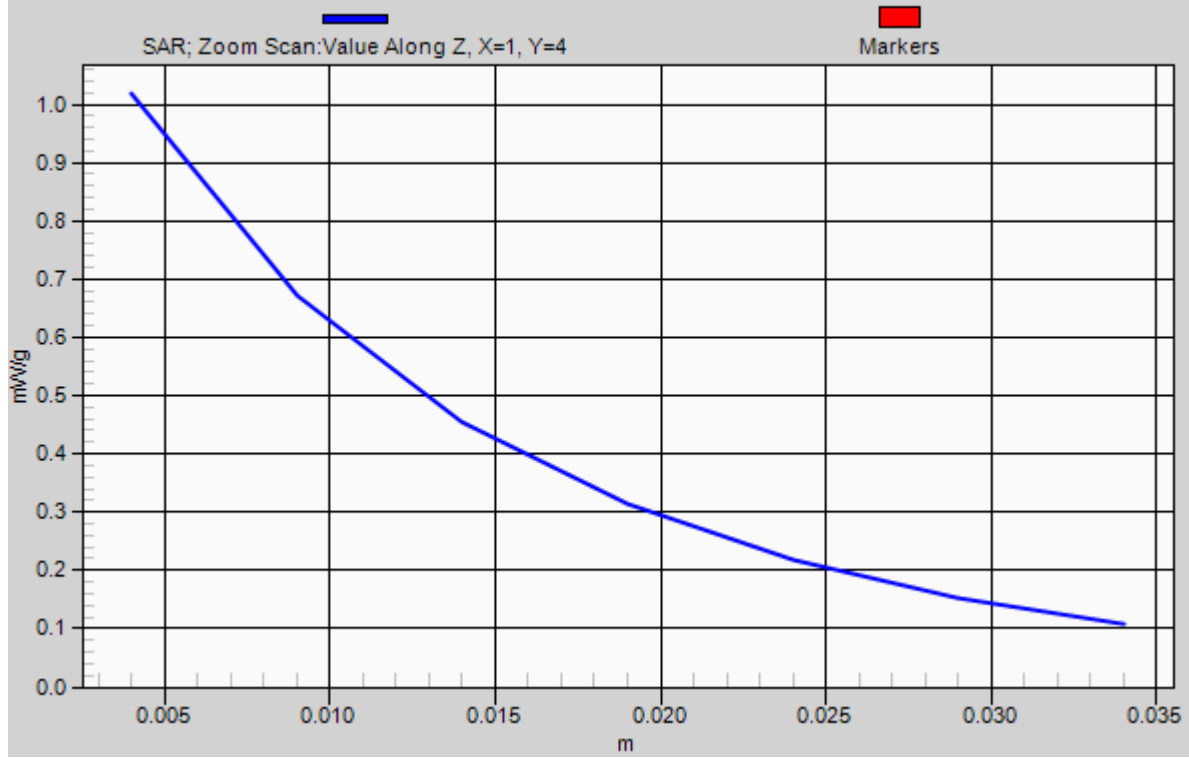
Reference Value = 13.7 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.567 mW/g**

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

# 1g/10g Averaged SAR



## #02 GSM850\_GPRS10\_Bottom\_1.5cm\_Ch128

**DUT: 121406**

Communication System: GPRS/EDGE 10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_835\_110221 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.966$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch128/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.910 mW/g

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.595 mW/g**

Maximum value of SAR (measured) = 0.908 mW/g

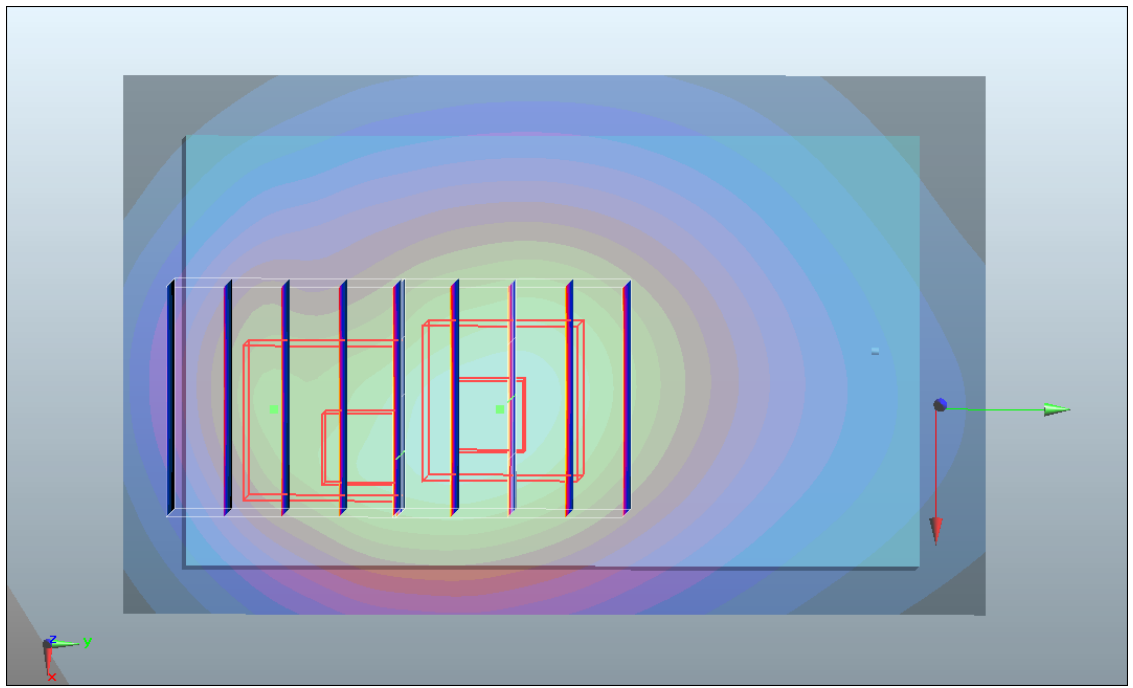
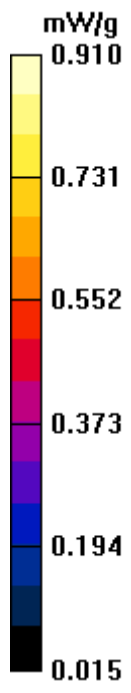
**Ch128/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.453 mW/g**

Maximum value of SAR (measured) = 0.815 mW/g



### #03 GSM850\_GPRS10\_Bottom\_1.5cm\_Ch251

**DUT: 121406**

Communication System: GPRS/EDGE 10; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_835\_110221 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.996 mW/g

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

Reference Value = 15.1 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.656 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g

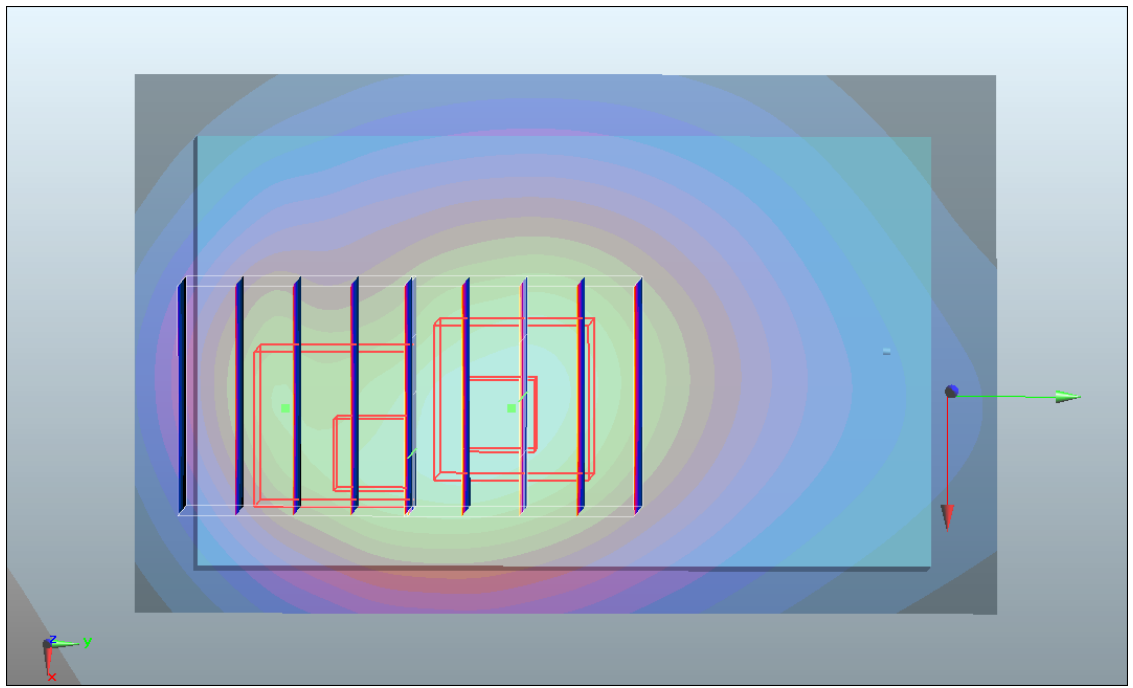
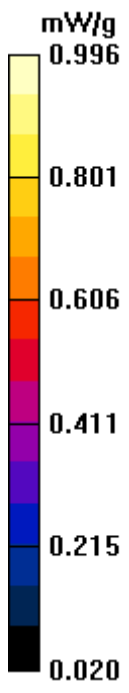
**Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.519 mW/g**

Maximum value of SAR (measured) = 0.932 mW/g



**#04 GSM1900\_GPRS10\_Bottom\_1.5cm\_Ch512**

**DUT: 121406**

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110221 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 54.7$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch512/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.678 mW/g

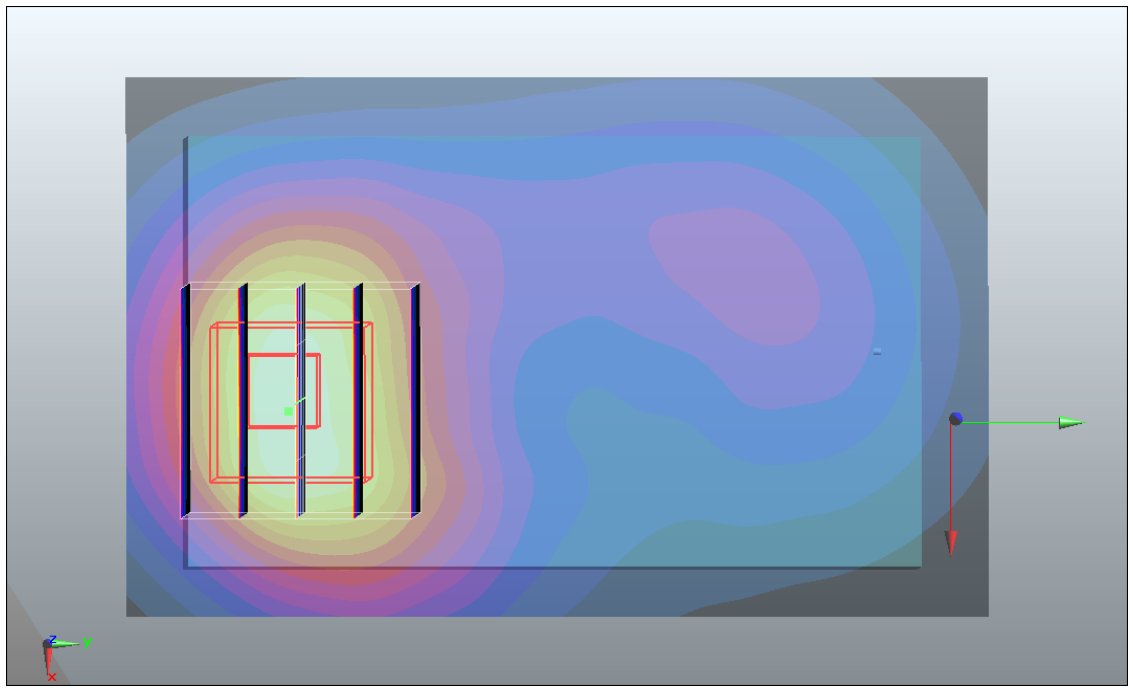
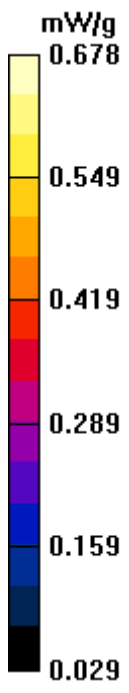
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.380 mW/g**

Maximum value of SAR (measured) = 0.677 mW/g



**#04 GSM1900\_GPRS10\_Bottom\_1.5cm\_Ch512\_2D**

**DUT: 121406**

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110221 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r =$

$54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010-11-23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

**Ch512/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.678 mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.380 mW/g**

Maximum value of SAR (measured) = 0.677 mW/g

