

## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  mho/m;  $\epsilon_r = 39.098$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**Head/Left Touch\_GSM ch 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.748 mW/g

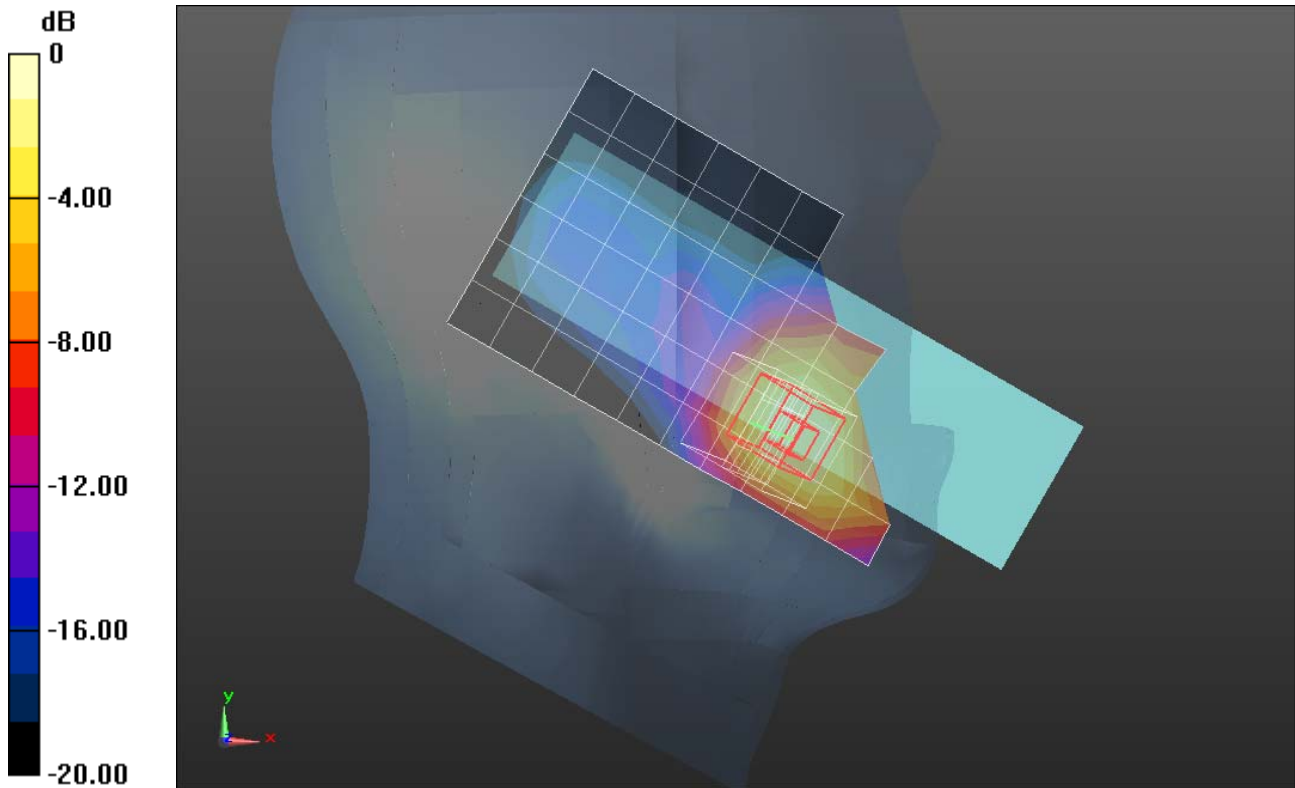
**Head/Left Touch\_GSM ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.567 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.2450

**SAR(1 g) = 0.765 mW/g; SAR(10 g) = 0.442 mW/g**

Maximum value of SAR (measured) = 0.986 mW/g



0 dB = 0.990mW/g = -0.09 dB mW/g

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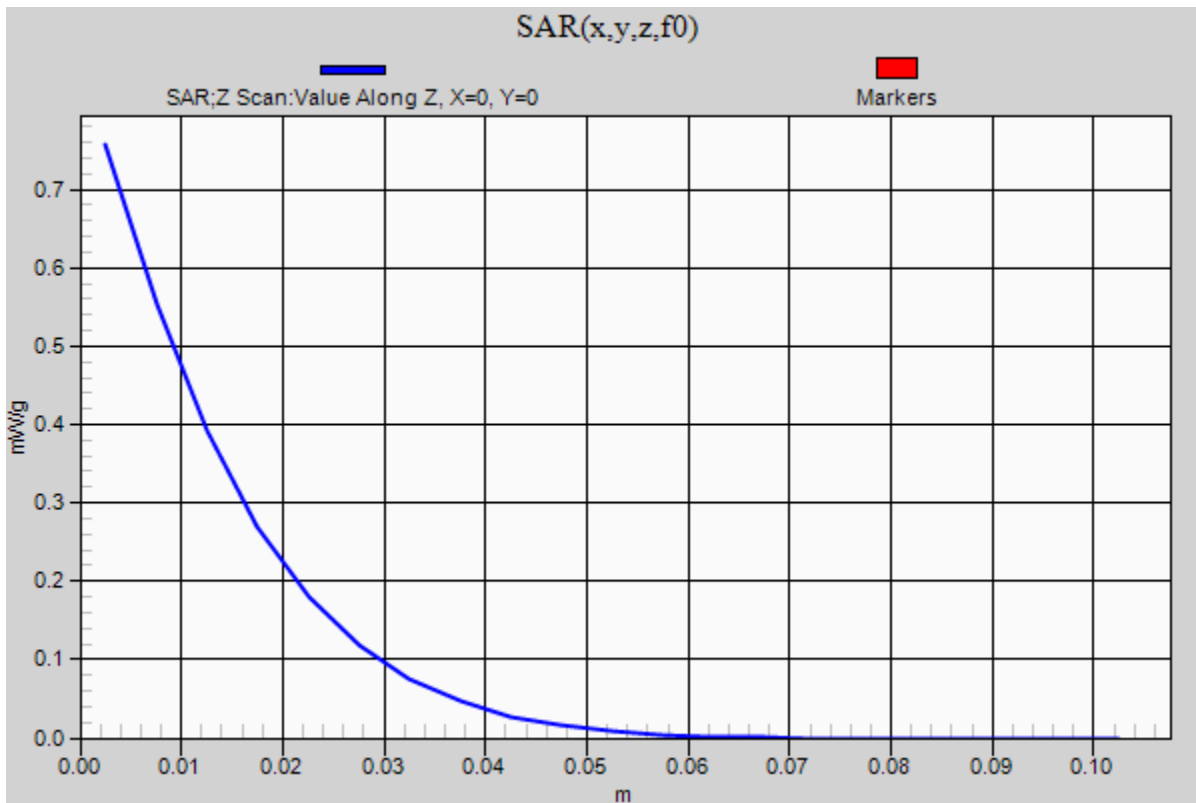
Reference Value = 23.567 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.2450

**SAR(1 g) = 0.765 mW/g; SAR(10 g) = 0.442 mW/g**

Maximum value of SAR (measured) = 0.986 mW/g

**Head/Left Touch\_GSM ch 661/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 0.757 mW/g



## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.384$  mho/m;  $\epsilon_r = 40.045$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3772; ConvF(7.59, 7.59, 7.59); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (A); Type: QD000P40CC; Serial: 1602

**Left Tilt\_GSM ch 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.045 mW/g

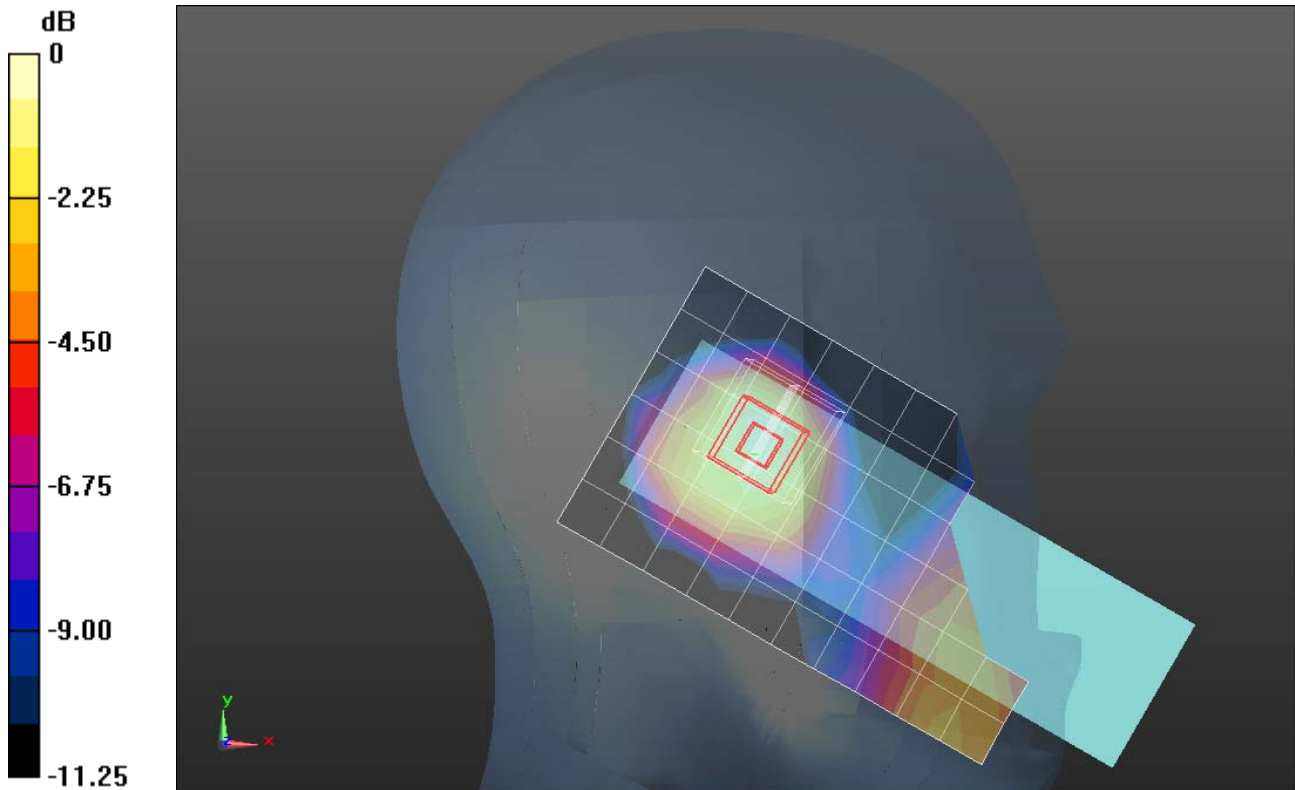
**Left Tilt\_GSM ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.836 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0640

**SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.050 mW/g



0 dB = 0.050mW/g = -26.02 dB mW/g

## GSM1900

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 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.384$  mho/m;  $\epsilon_r = 40.045$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3772; ConvF(7.59, 7.59, 7.59); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (A); Type: QD000P40CC; Serial: 1602

**Right Touch\_GSM ch 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.257 mW/g

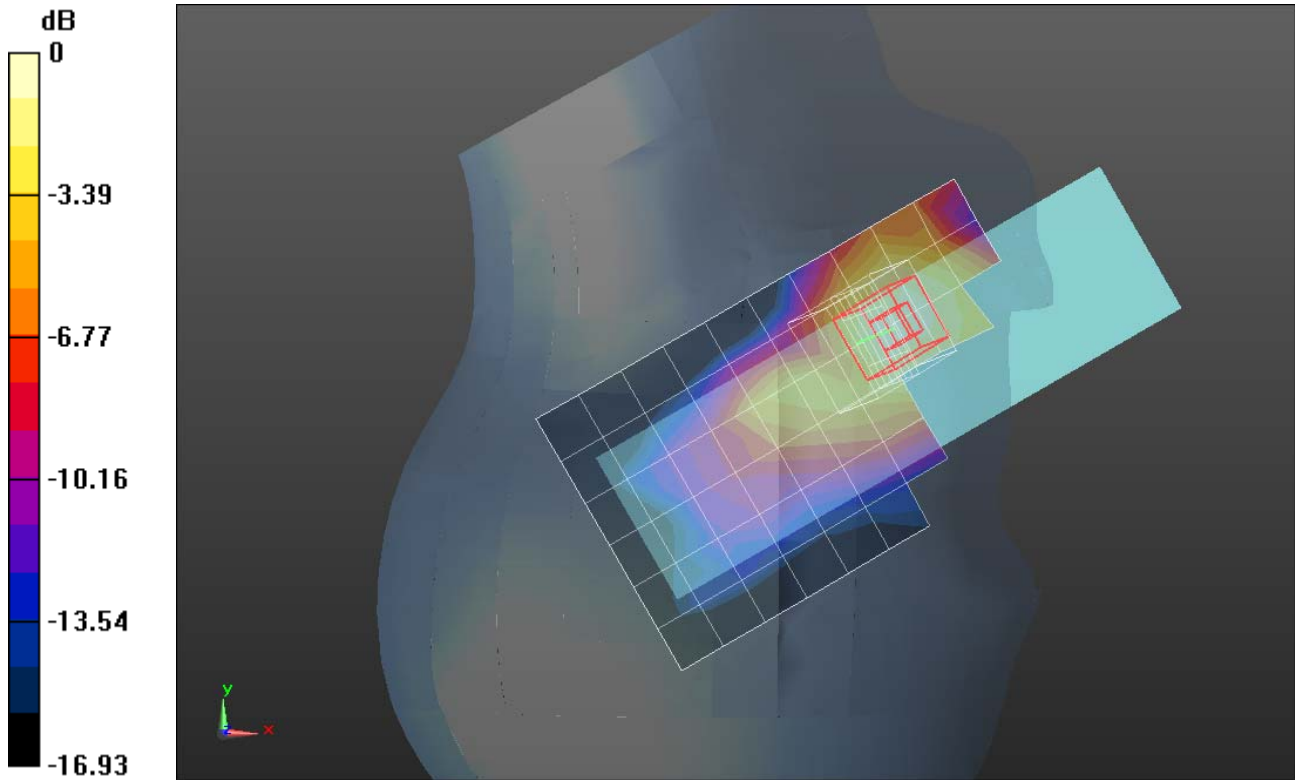
**Right Touch\_GSM ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.706 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.3300

**SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.150 mW/g**

Maximum value of SAR (measured) = 0.279 mW/g



0 dB = 0.280mW/g = -11.06 dB mW/g

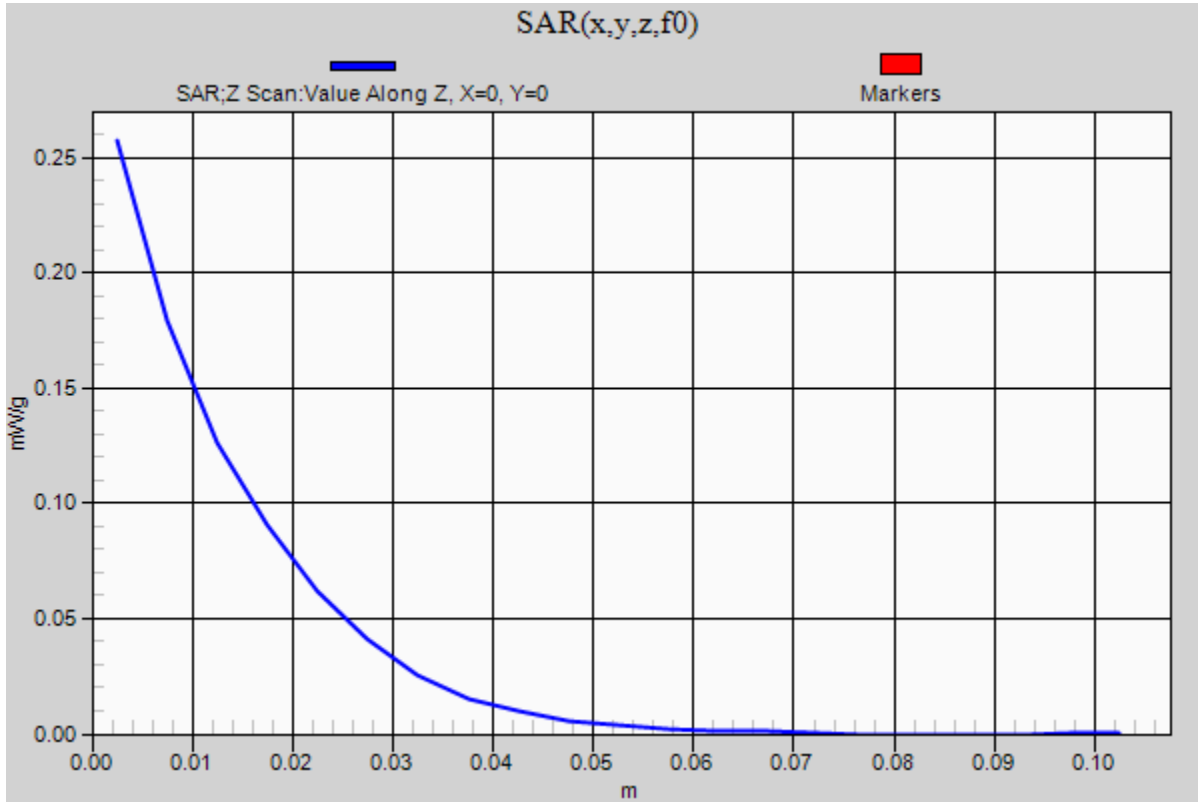
Test Laboratory: UL CCS SAR Lab A Date: 6/26/2012

## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018

**Right Touch\_GSM ch 661/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.257 mW/g



## GSM1900

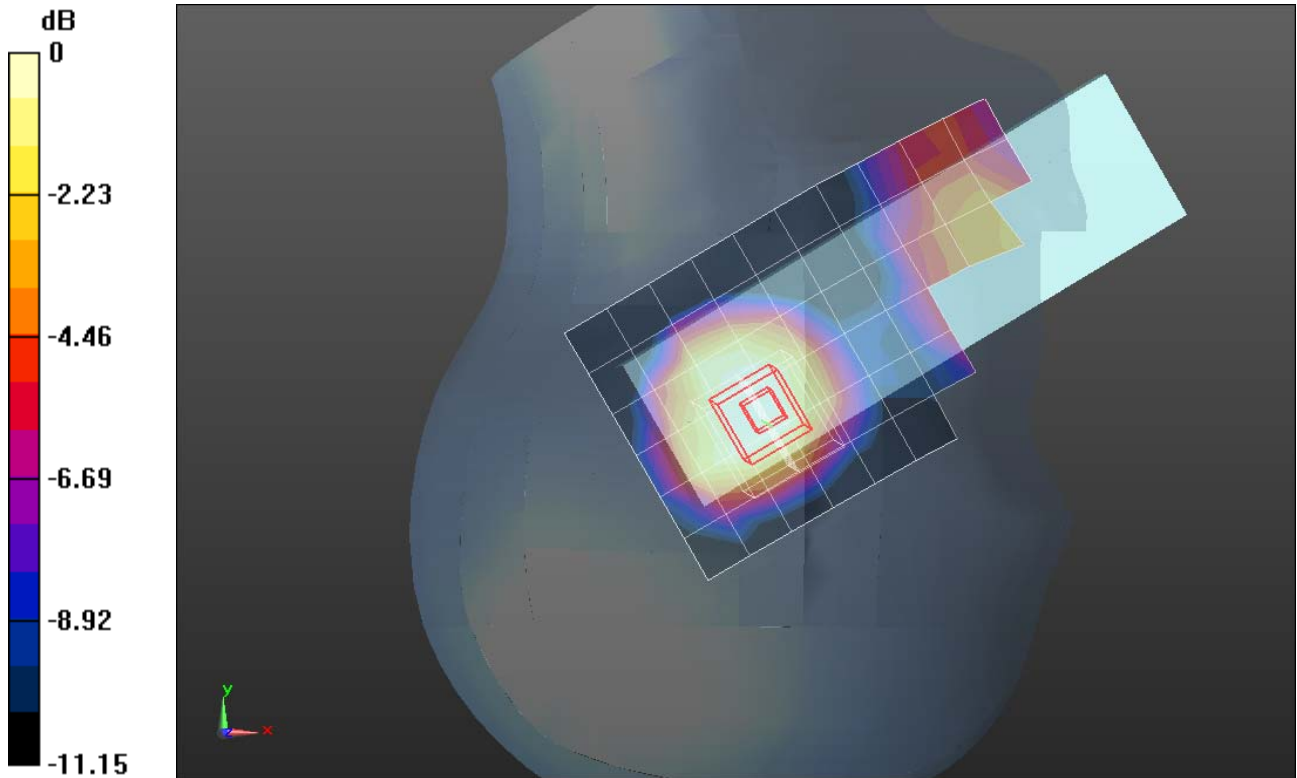
Frequency: 1880 MHz; Duty Cycle: 1:8; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.384 \text{ mho/m}$ ;  $\epsilon_r = 40.045$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3772; ConvF(7.59, 7.59, 7.59); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (A); Type: QD000P40CC; Serial: 1602

**Right Tilt\_GSM ch 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.042 mW/g

**Right Tilt\_GSM ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 5.223 V/m; Power Drift = 0.10 dB  
 Peak SAR (extrapolated) = 0.0540  
**SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.022 mW/g**  
 Maximum value of SAR (measured) = 0.043 mW/g



0 dB = 0.040mW/g = -27.96 dB mW/g

## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:4; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.48 \text{ mho/m}$ ;  $\epsilon_r = 50.987$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3772; ConvF(7.23, 7.23, 7.23); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1099

**Rear/GPRS 2 Slots/Ch 661/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.153 mW/g

**Rear/GPRS 2 Slots/Ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.263 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.1830

**SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.150 mW/g

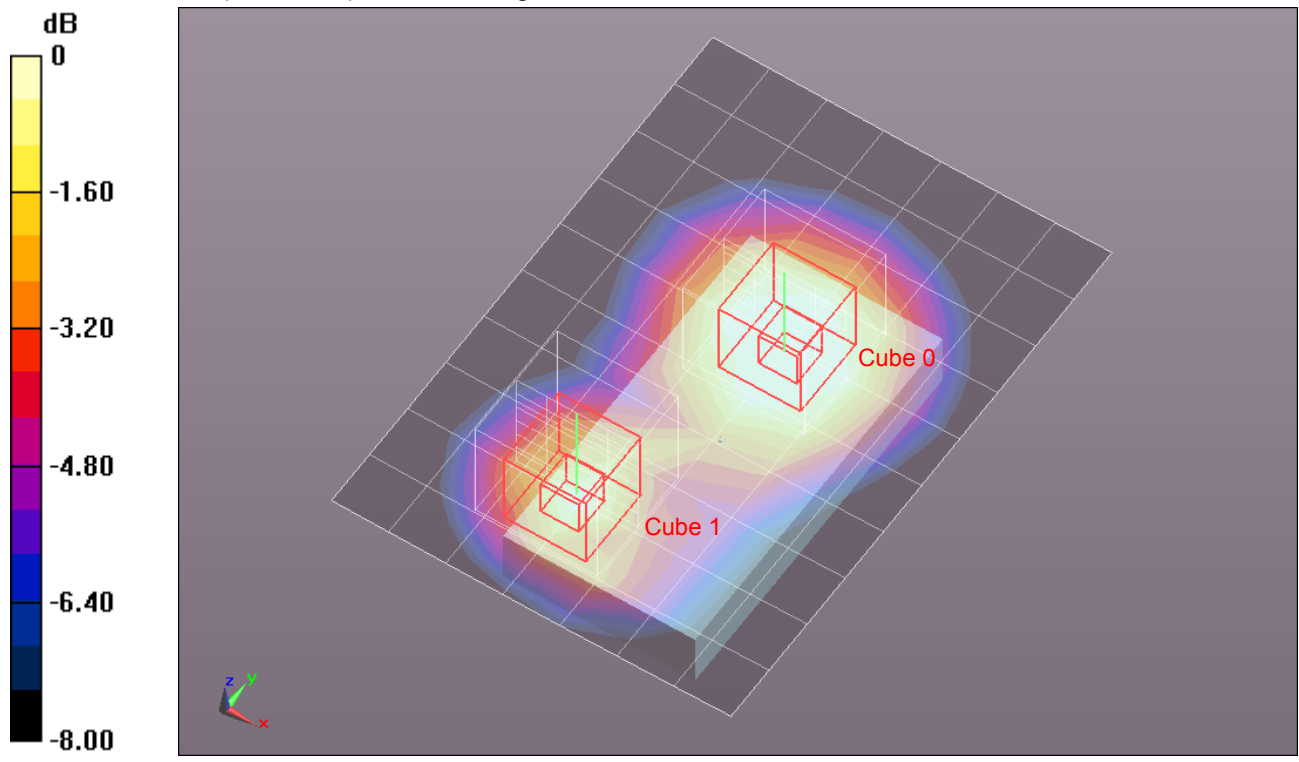
**Rear/GPRS 2 Slots/Ch 661/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.263 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.1560

**SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.055 mW/g**

Maximum value of SAR (measured) = 0.121 mW/g

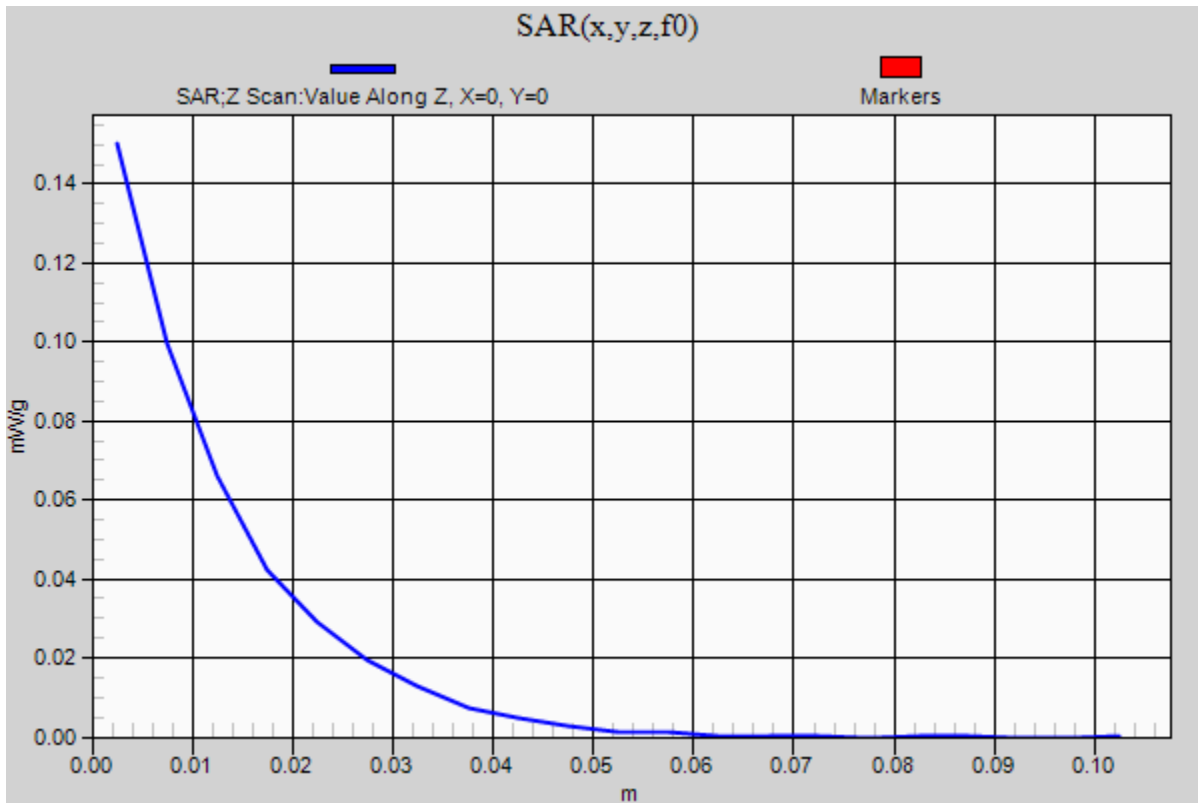


0 dB = 0.120mW/g = -18.42 dB mW/g

### GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:4

**Rear/GPRS 2 Slots/Ch 661/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 0.150 mW/g





## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.48 \text{ mho/m}$ ;  $\epsilon_r = 50.987$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3772; ConvF(7.23, 7.23, 7.23); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1099

**Rear/with Headset/GMSK (Voice)/Ch 661/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

**Rear/with Headset/GMSK (Voice)/Ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.438 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.1400

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.106 mW/g

**Rear/with Headset/GMSK (Voice)/Ch 661/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:

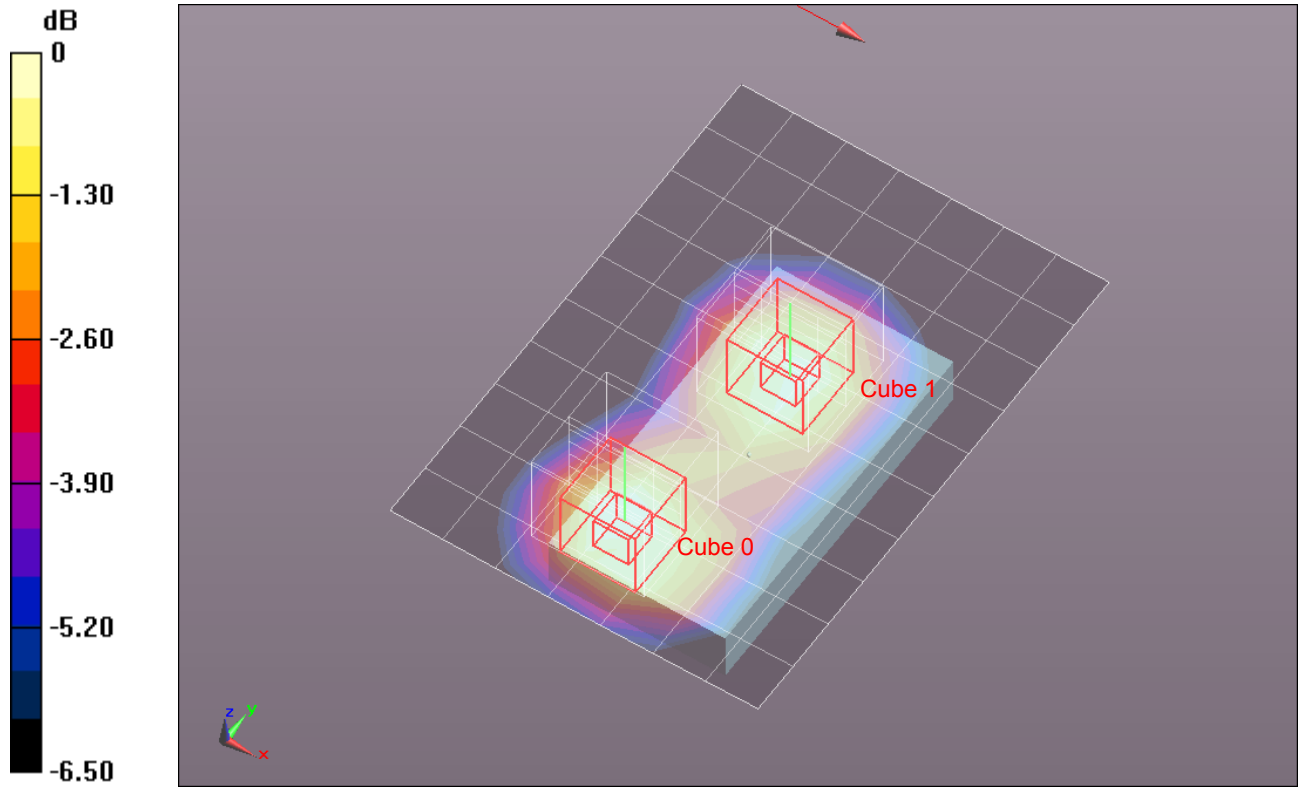
dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.438 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.1120

**SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.047 mW/g**

Maximum value of SAR (measured) = 0.091 mW/g



0 dB = 0.090mW/g = -20.92 dB mW/g

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 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 50.987$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3772; ConvF(7.23, 7.23, 7.23); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1099

**Front/GPRS 2 Slots/Ch 661/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.081 mW/g

**Front/GPRS 2 Slots/Ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.511 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.1020

**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.042 mW/g**

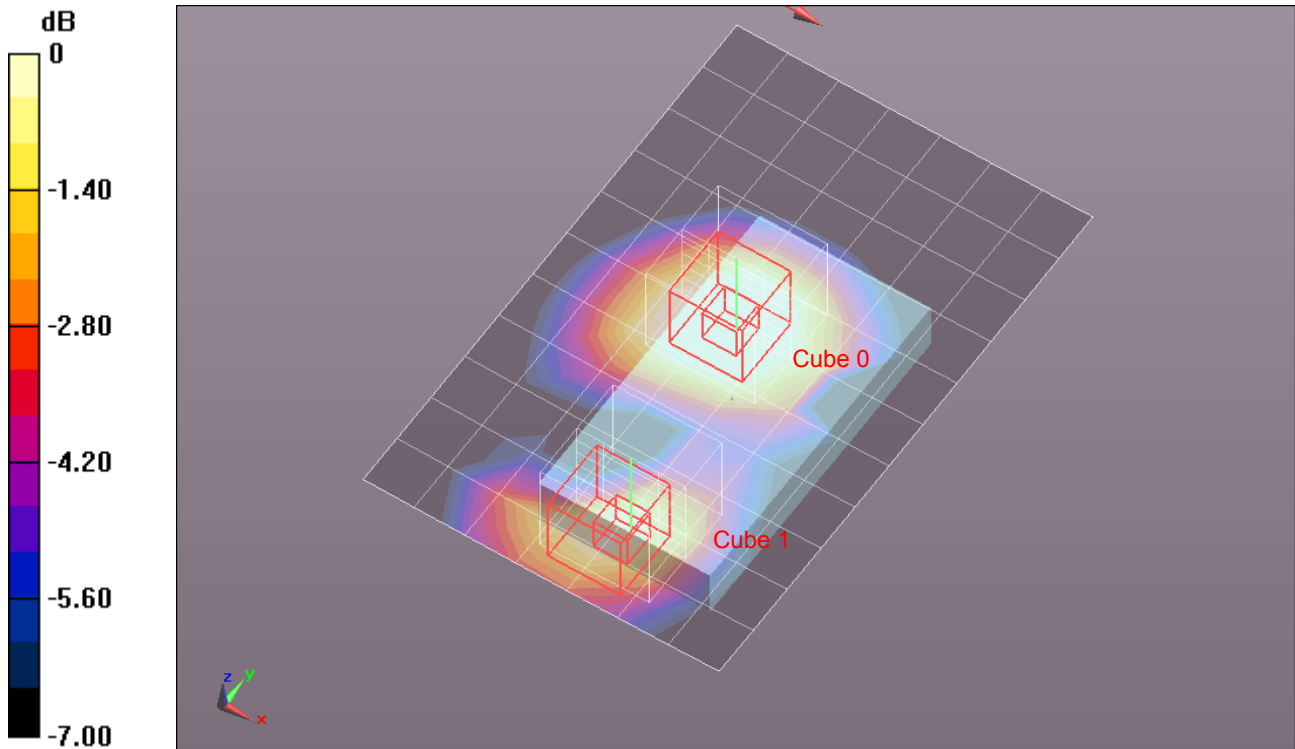
Maximum value of SAR (measured) = 0.082 mW/g

**Front/GPRS 2 Slots/Ch 661/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.511 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0740

**SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.029 mW/g**



0 dB = 0.060mW/g = -24.44 dB mW/g