# GSM1900

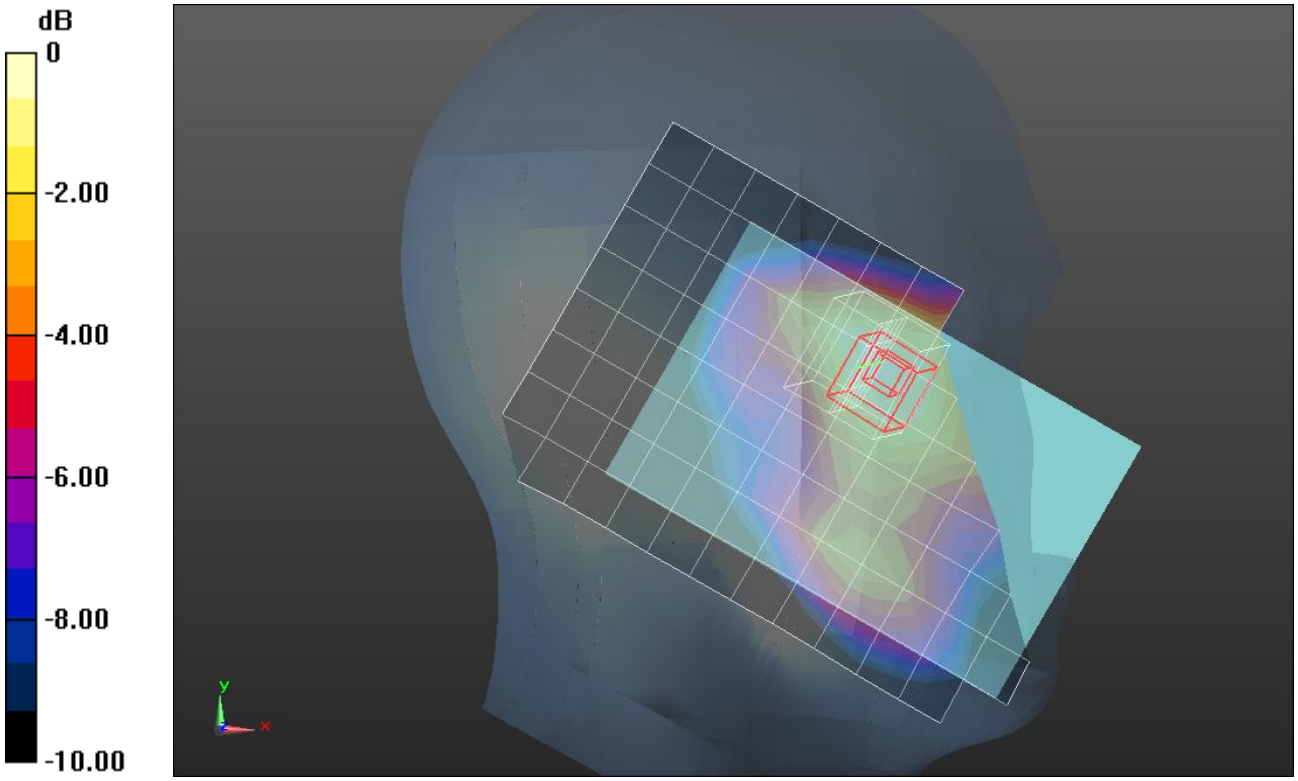
Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 41.279; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.51, 7.51, 7.51); Calibrated: 3/14/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1632

## LHS/Touch_GSM ch 661/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

## LHS/Touch_GSM ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.831 V/m; Power Drift = -0.0068 dB
Peak SAR (extrapolated) = 0.2010
**SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.094 mW/g**




0 dB = 0.170mW/g = -15.39 dB mW/g

Test Laboratory: UL CCS SAR Lab C Date: 4/27/2012

# GSM1900

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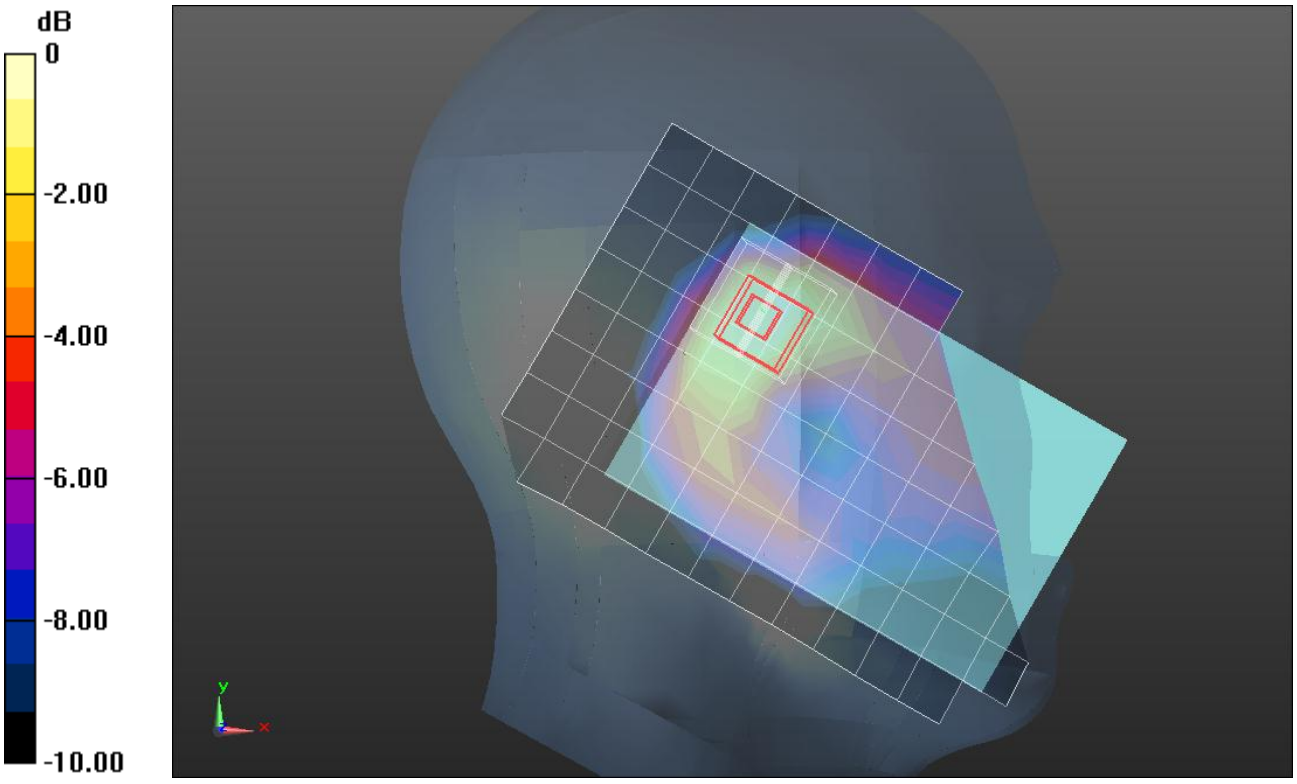
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 41.279; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.51, 7.51, 7.51); Calibrated: 3/14/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1632

## LHS/Tilt_GSM ch 661/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

## LHS/Tilt_GSM ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.475 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.1390
**SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.057 mW/g**
Maximum value of SAR (measured) = 0.111 mW/g




0 dB = 0.110mW/g = -19.17 dB mW/g

Test Laboratory: UL CCS SAR Lab C Date: 4/27/2012

# GSM1900

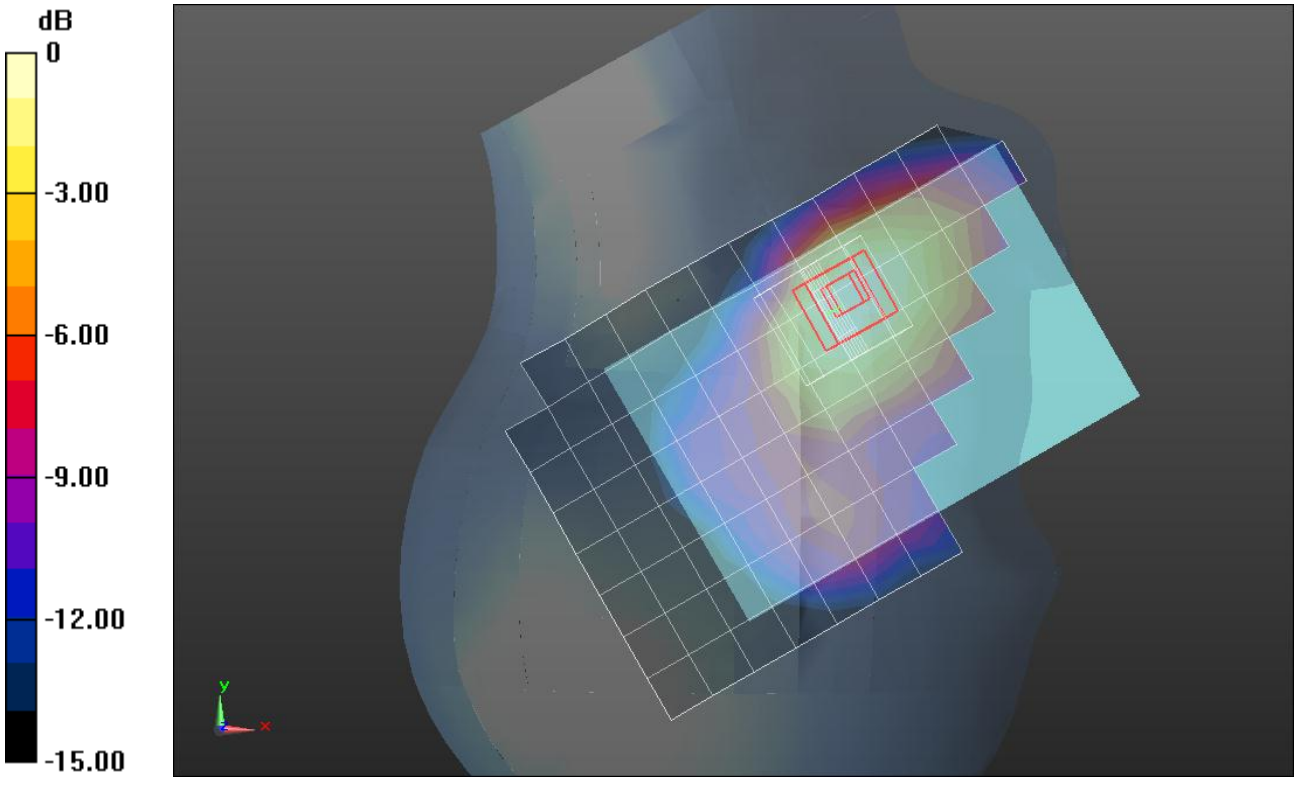
Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 41.279; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.51, 7.51, 7.51); Calibrated: 3/14/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1632

## RHS/Touch_GSM ch 661/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.326 mW/g

## RHS/Touch_GSM ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.607 V/m; Power Drift = -0.00078 dB
Peak SAR (extrapolated) = 0.4130
**SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.185 mW/g**
Maximum value of SAR (measured) = 0.335 mW/g



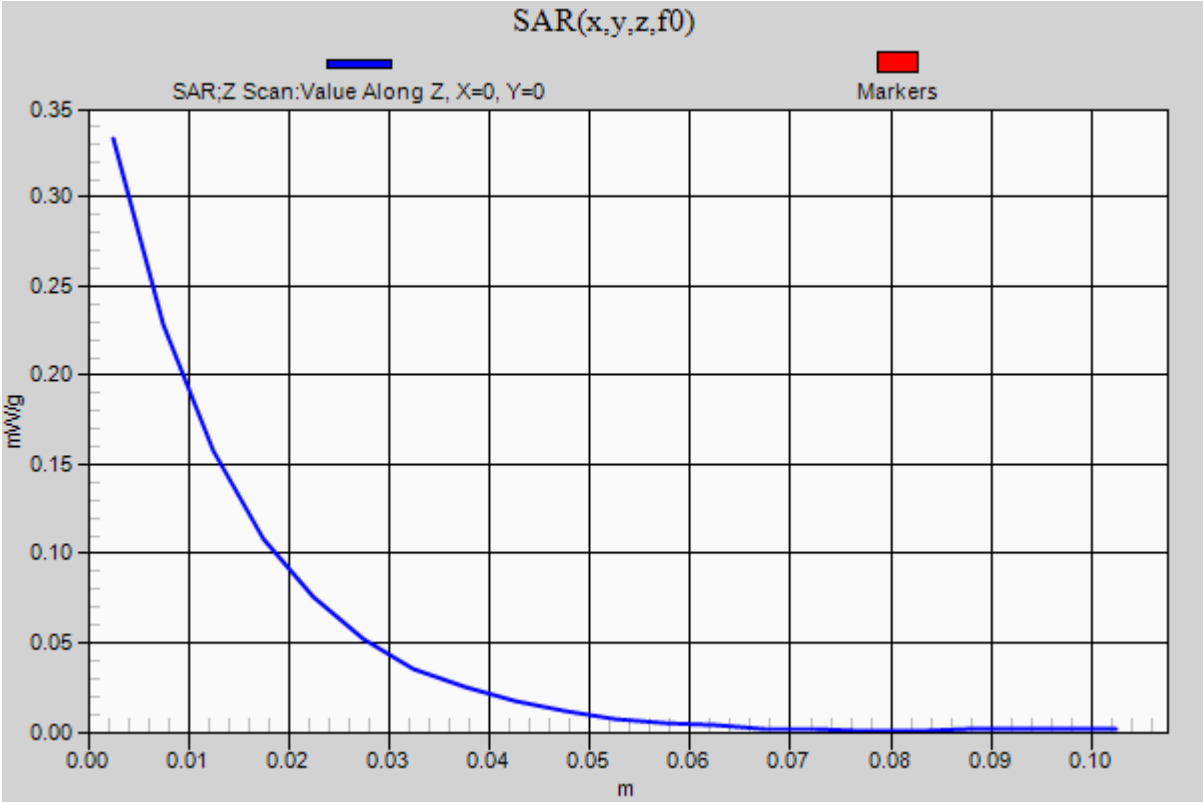

0 dB = 0.340mW/g = -9.37 dB mW/g

Test Laboratory: UL CCS SAR Lab C Date: 4/27/2012

## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018

**RHS/Touch_GSM ch 661/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.333 mW/g



Test Laboratory: UL CCS SAR Lab C Date: 4/27/2012

# GSM1900

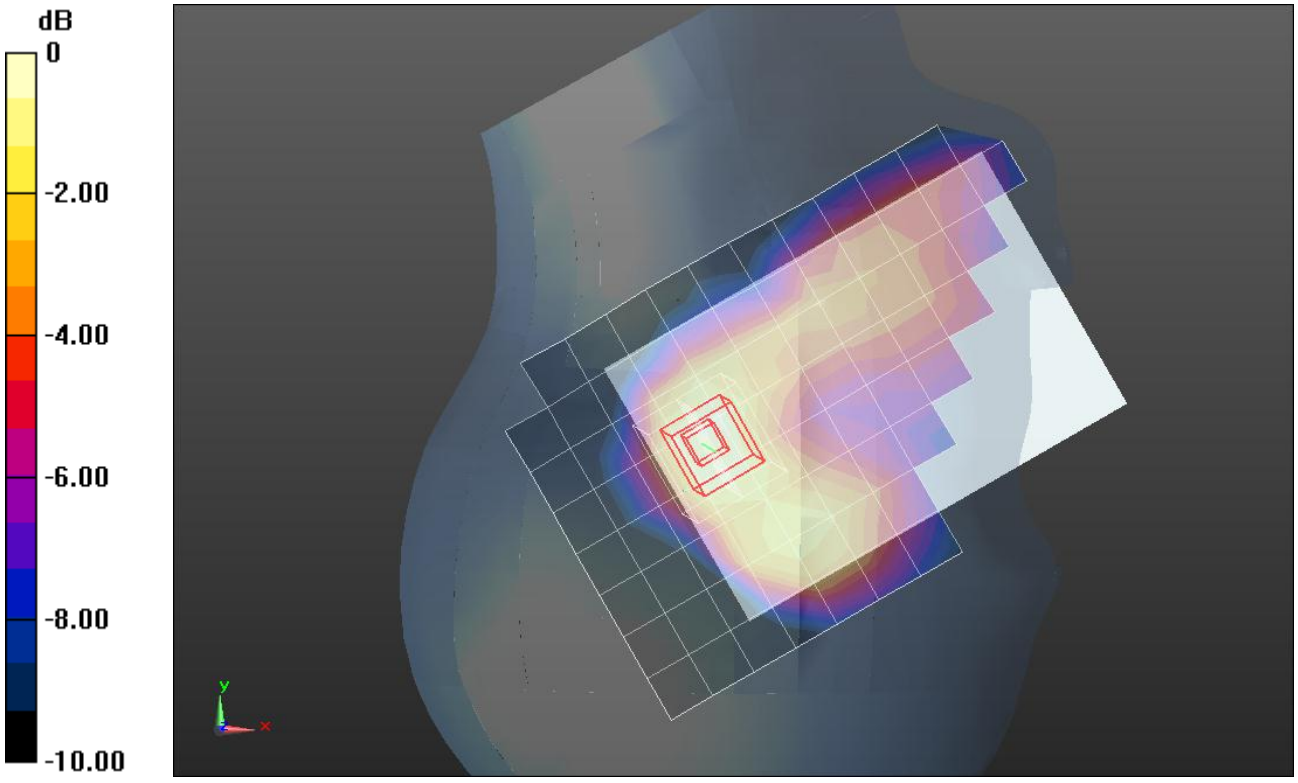
Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 41.279; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.51, 7.51, 7.51); Calibrated: 3/14/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1632

## RHS/Tilt_GSM ch 661/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

## RHS/Tilt_GSM ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.536 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.1080
**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.045 mW/g**
Maximum value of SAR (measured) = 0.088 mW/g




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

# GSM1900

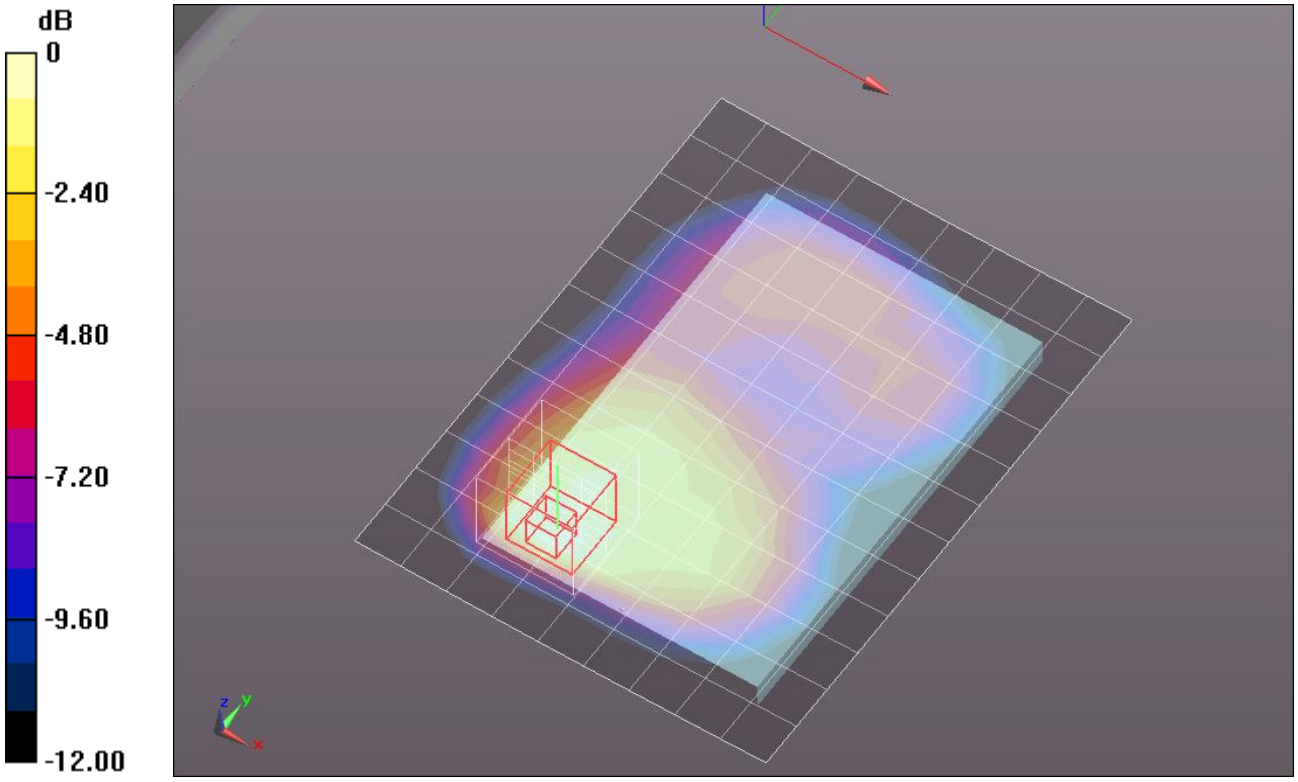
Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.496 mho/m; $\varepsilon_r$ = 53.011; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.11, 7.11, 7.11); Calibrated: 3/14/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

## Rear/GPRS 2 slot, ch 661/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

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

## Rear/GPRS 2 slot, ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.752 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.2220
**SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.404 mW/g**
Maximum value of SAR (measured) = 0.905 mW/g



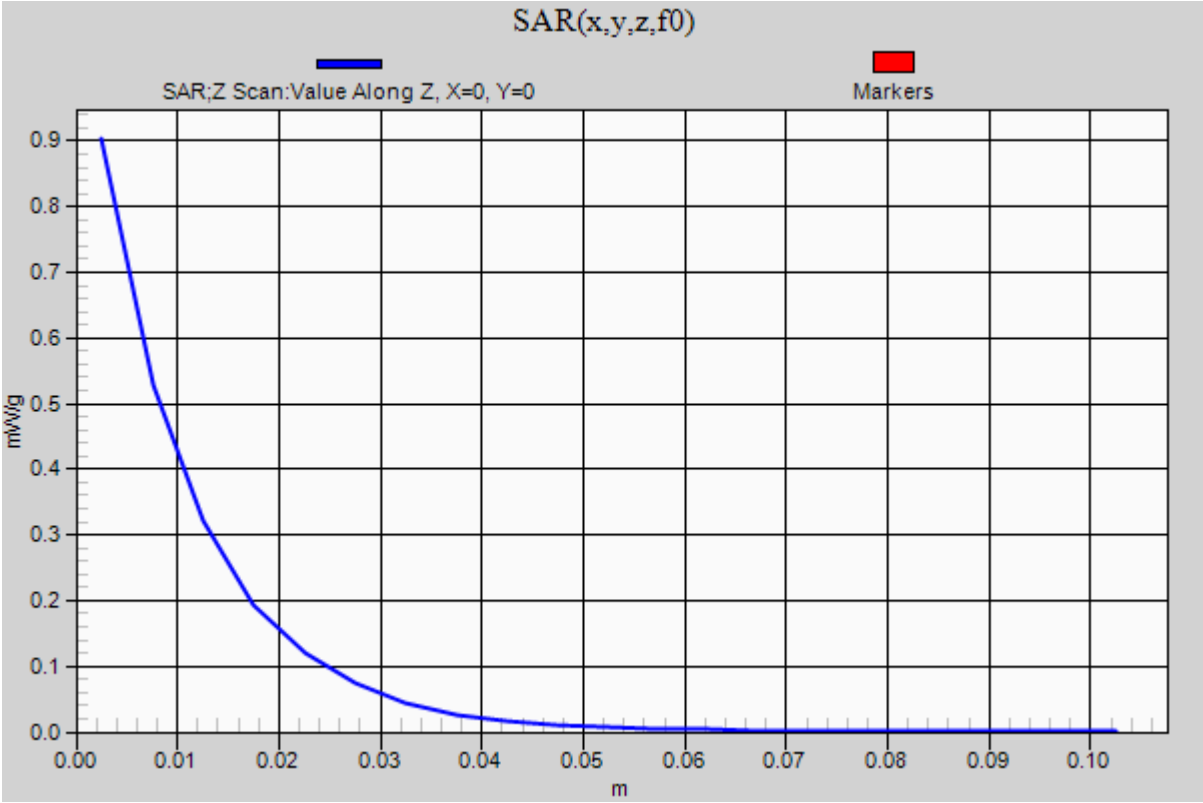

0 dB = 0.900mW/g = -0.92 dB mW/g

Test Laboratory: UL CCS SAR Lab C Date: 4/26/2012

## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:4.00037

**Rear/GPRS 2 slot, ch 661/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.903 mW/g



# GSM1900

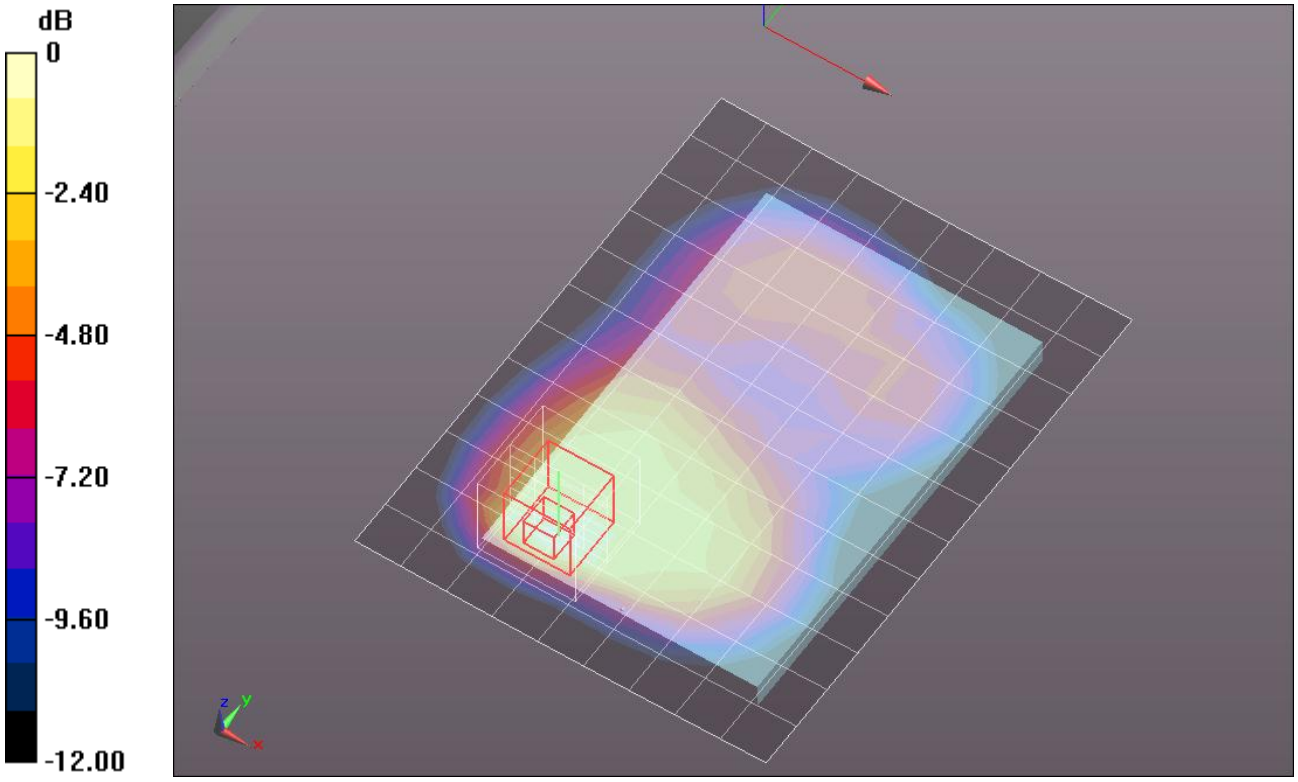
Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.496 mho/m; $\varepsilon_r$ = 53.011; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.11, 7.11, 7.11); Calibrated: 3/14/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

## Rear/GPRS 2 slot, ch 661 w/handset/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.929 mW/g

## Rear/GPRS 2 slot, ch 661 w/handset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.980 V/m; Power Drift = -0.0084 dB
Peak SAR (extrapolated) = 1.2240
**SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.402 mW/g**
Maximum value of SAR (measured) = 0.916 mW/g




0 dB = 0.920mW/g = -0.72 dB mW/g

Test Laboratory: UL CCS SAR Lab C Date: 4/26/2012

# GSM1900

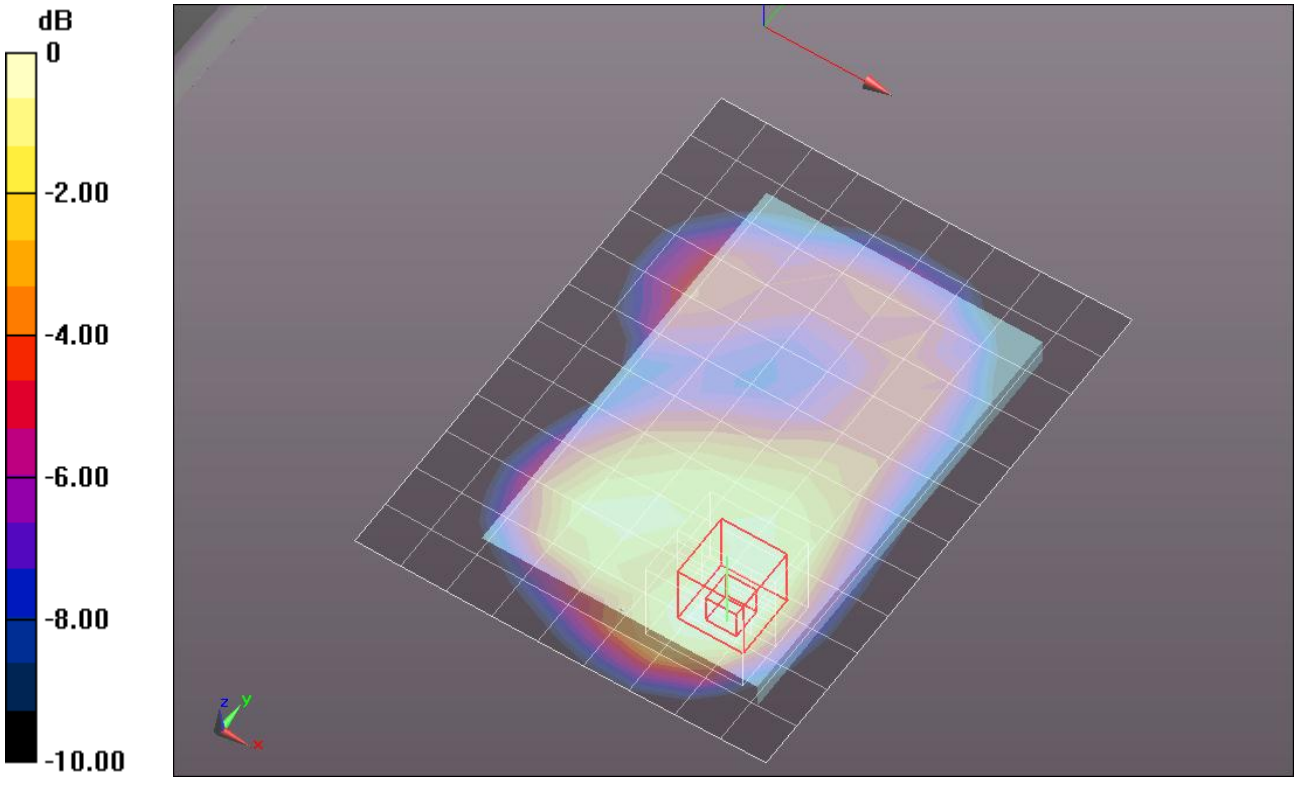
Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.496 mho/m; $\varepsilon_r$ = 53.011; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.11, 7.11, 7.11); Calibrated: 3/14/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

## Front/GPRS 2 slot, ch 661/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.427 mW/g

## Front/GPRS 2 slot, ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.995 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.6220
**SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.235 mW/g**
Maximum value of SAR (measured) = 0.479 mW/g




0 dB = 0.480mW/g = -6.38 dB mW/g