Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM 1900 Head

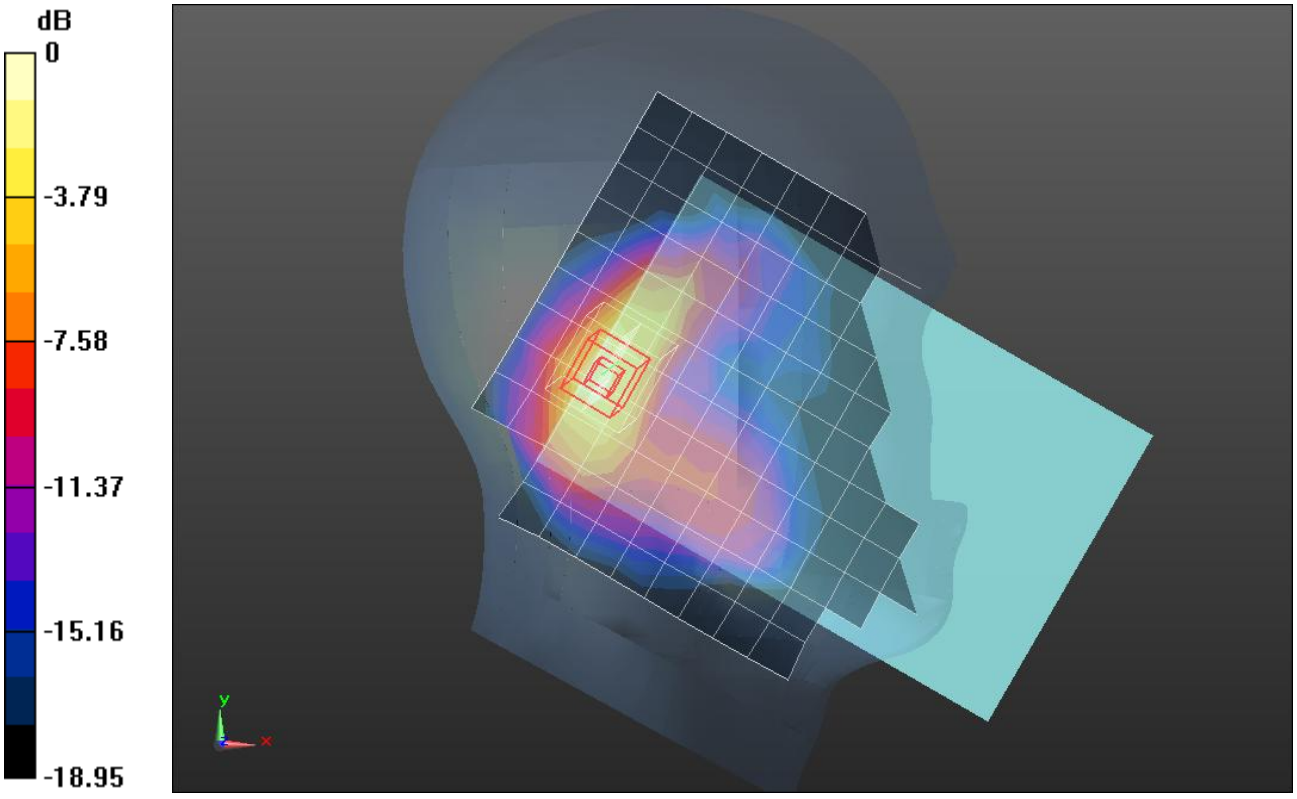
Frequency: 1880 MHz; Duty Cycle: 1:8.30042; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.898; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(8.53, 8.53, 8.53); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left/Touch_Ch 661/Area Scan (12x16x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.254 mW/g

Left/Touch_Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.724 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.4340
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.322 mW/g



0 dB = 0.320mW/g = -9.90 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM 1900 Head

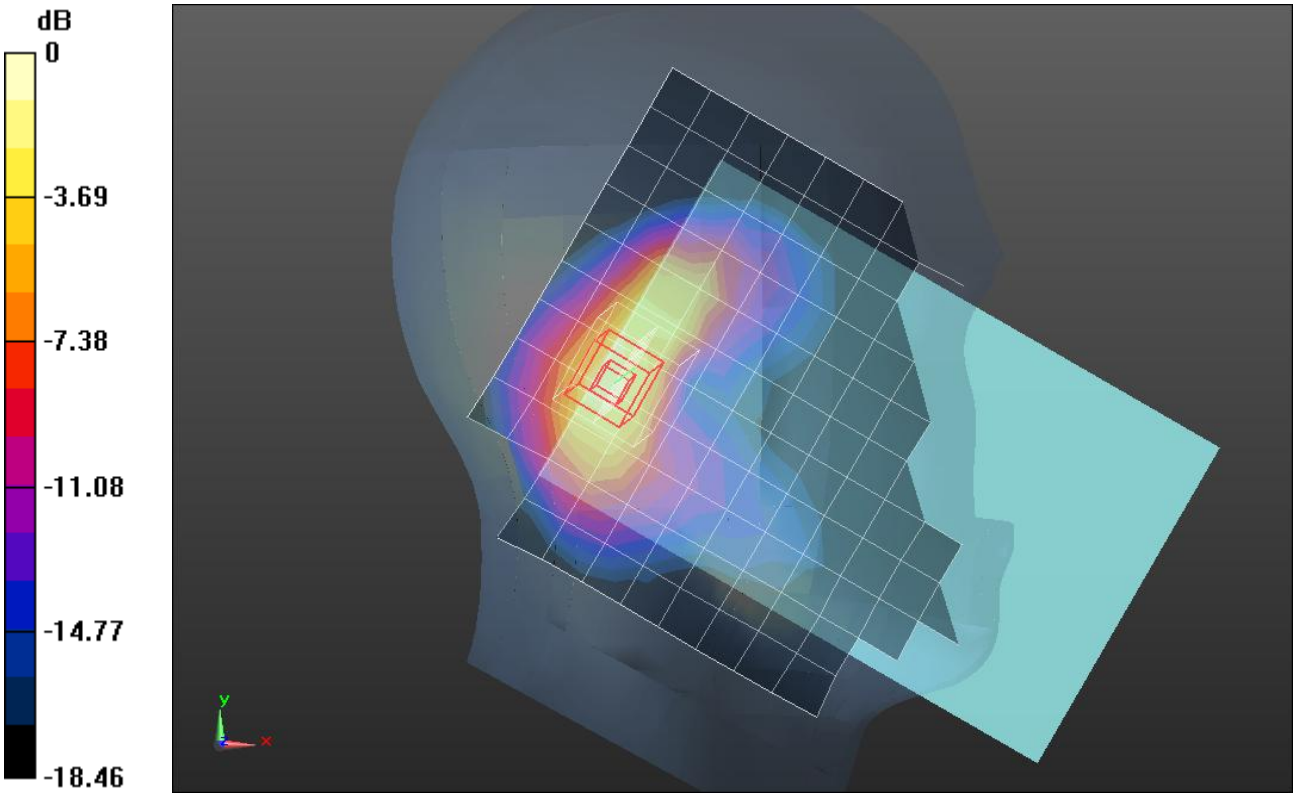
Frequency: 1880 MHz; Duty Cycle: 1:8.30042; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.898; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(8.53, 8.53, 8.53); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left/Tilt_Ch 661/Area Scan (12x16x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.228 mW/g

Left/Tilt_Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.992 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.3850
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.293 mW/g



0 dB = 0.290mW/g = -10.75 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM 1900 Head

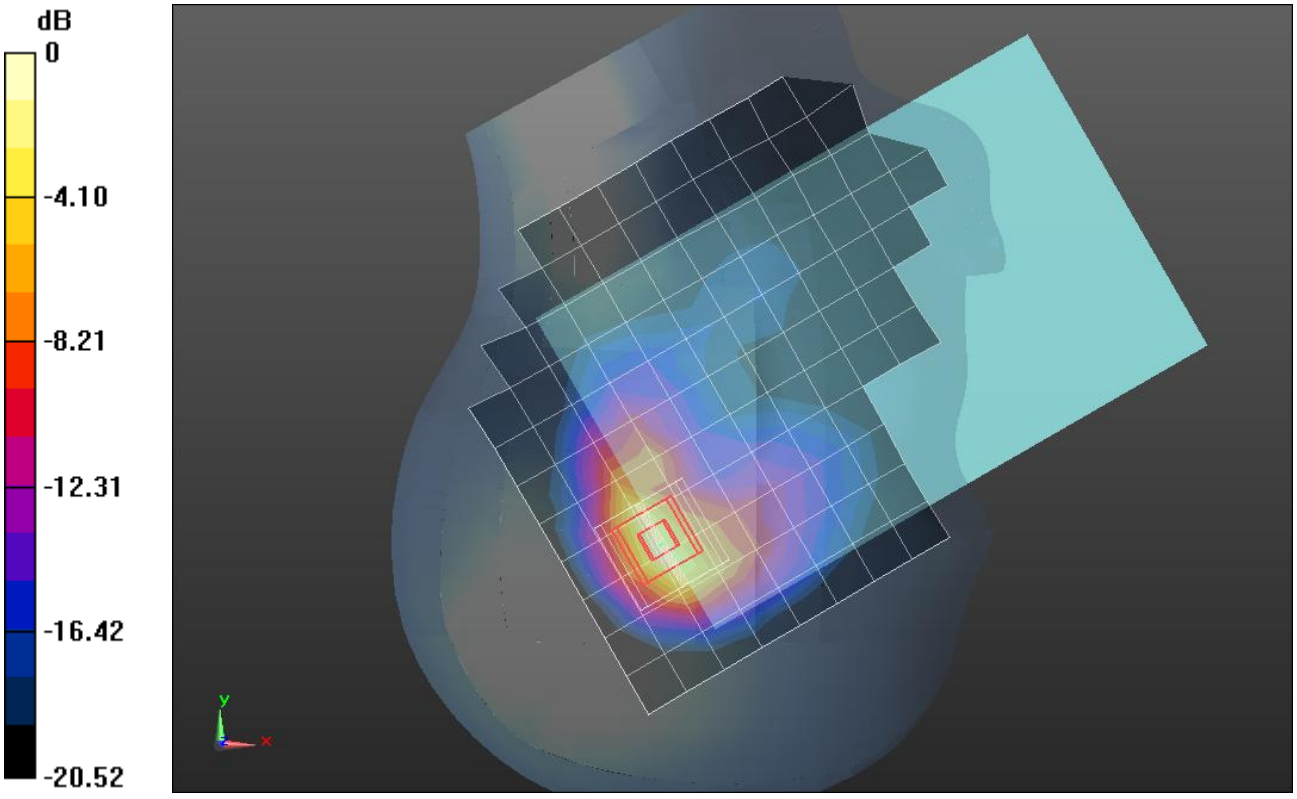
Frequency: 1880 MHz; Duty Cycle: 1:8.30042; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.898; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(8.53, 8.53, 8.53); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right/Touch_Ch 661/Area Scan (12x16x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.751 mW/g

Right/Touch_Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.014 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.2280
SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.280 mW/g
Maximum value of SAR (measured) = 0.822 mW/g



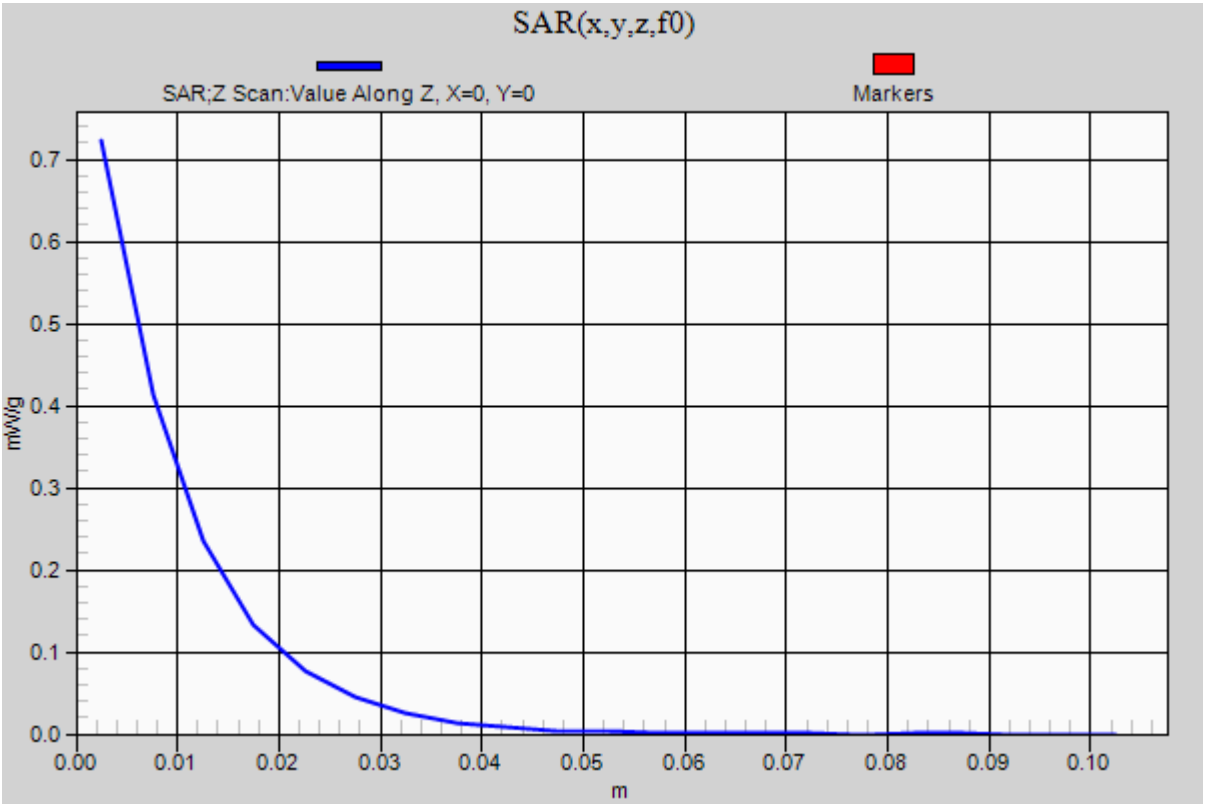
0 dB = 0.820mW/g = -1.72 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM 1900 Head

Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Right/Touch_Ch 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.723 mW/g



Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM 1900 Head

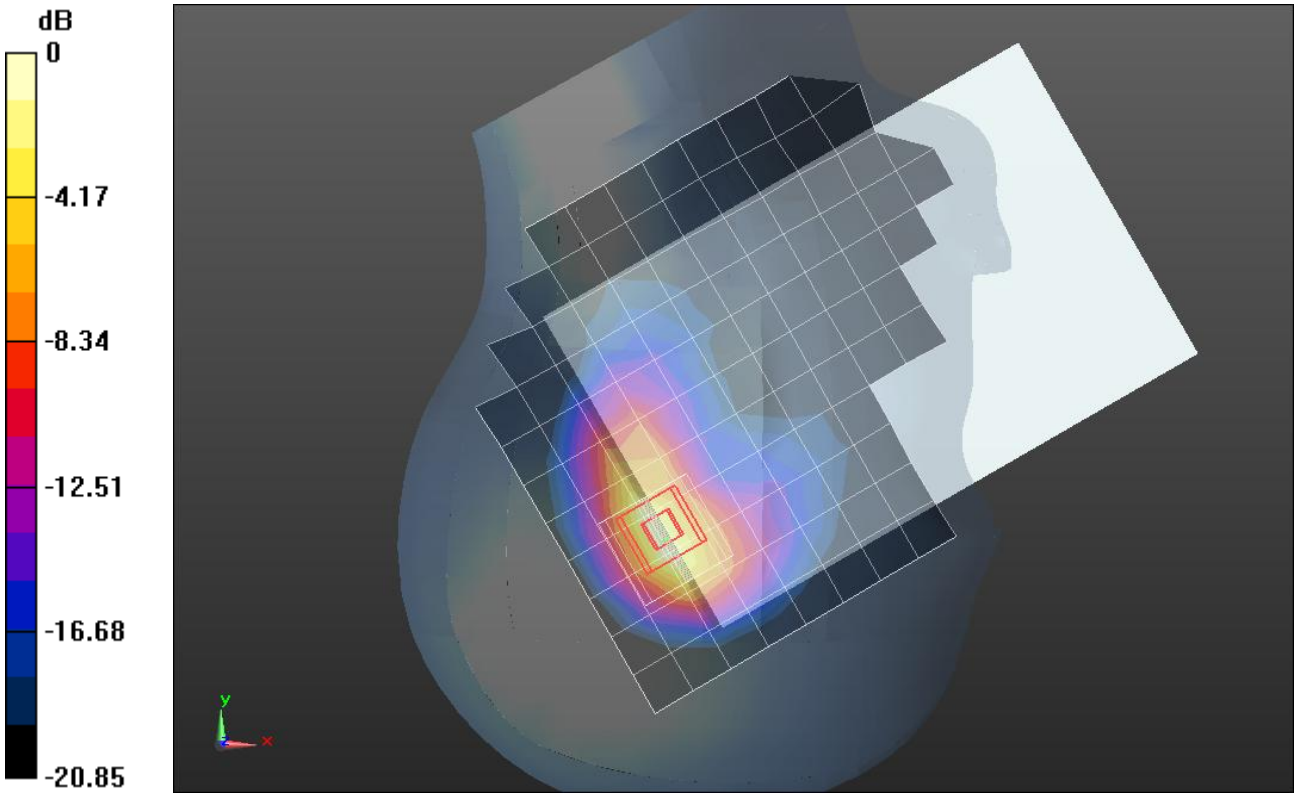
Frequency: 1880 MHz; Duty Cycle: 1:8.30042; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.898; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(8.53, 8.53, 8.53); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right/Tilt_Ch 661/Area Scan (12x16x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.619 mW/g

Right/Tilt_Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.668 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.1150
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 0.731 mW/g



0 dB = 0.730mW/g = -2.73 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

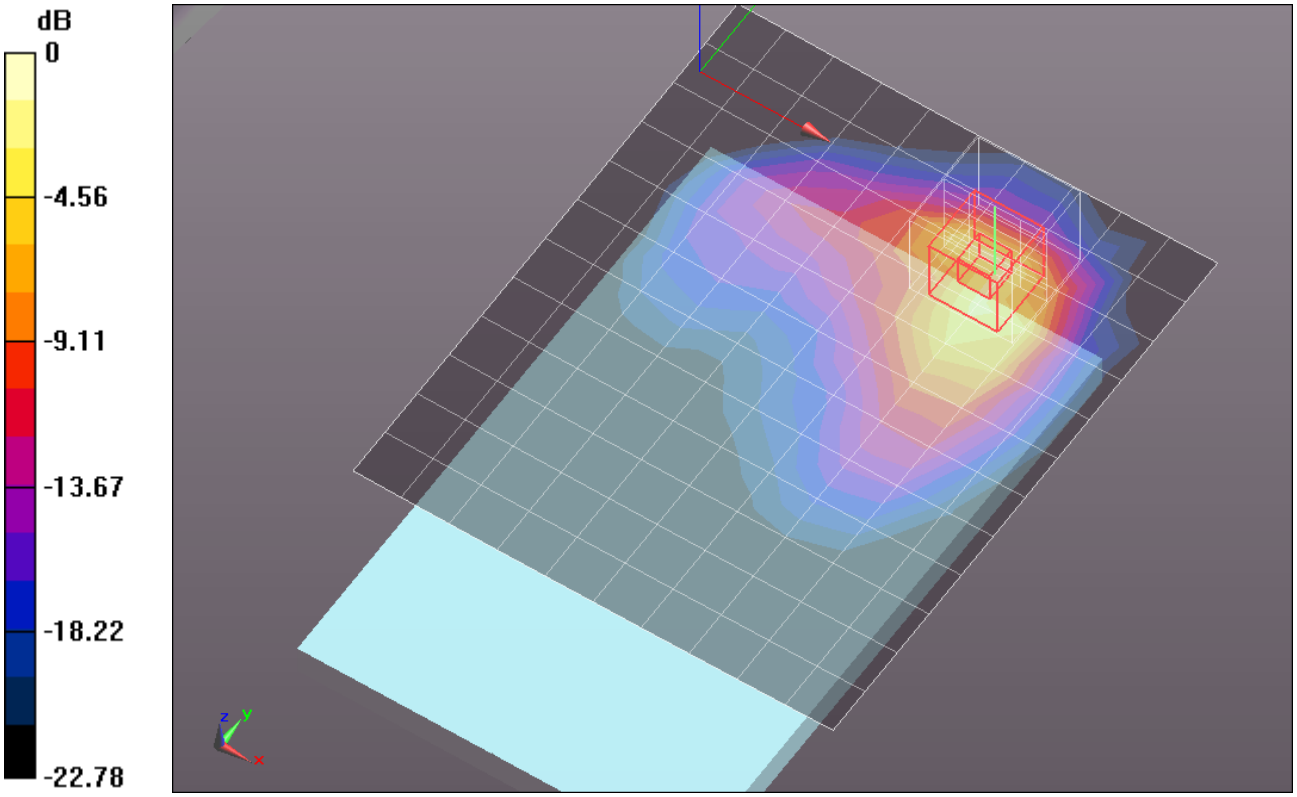
Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 53.549; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear_0mm/GPRS 3 slots_CH 661/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.444 mW/g

Rear_0mm/GPRS 3 slots_CH 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.405 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.0630
SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.245 mW/g
Maximum value of SAR (measured) = 0.724 mW/g



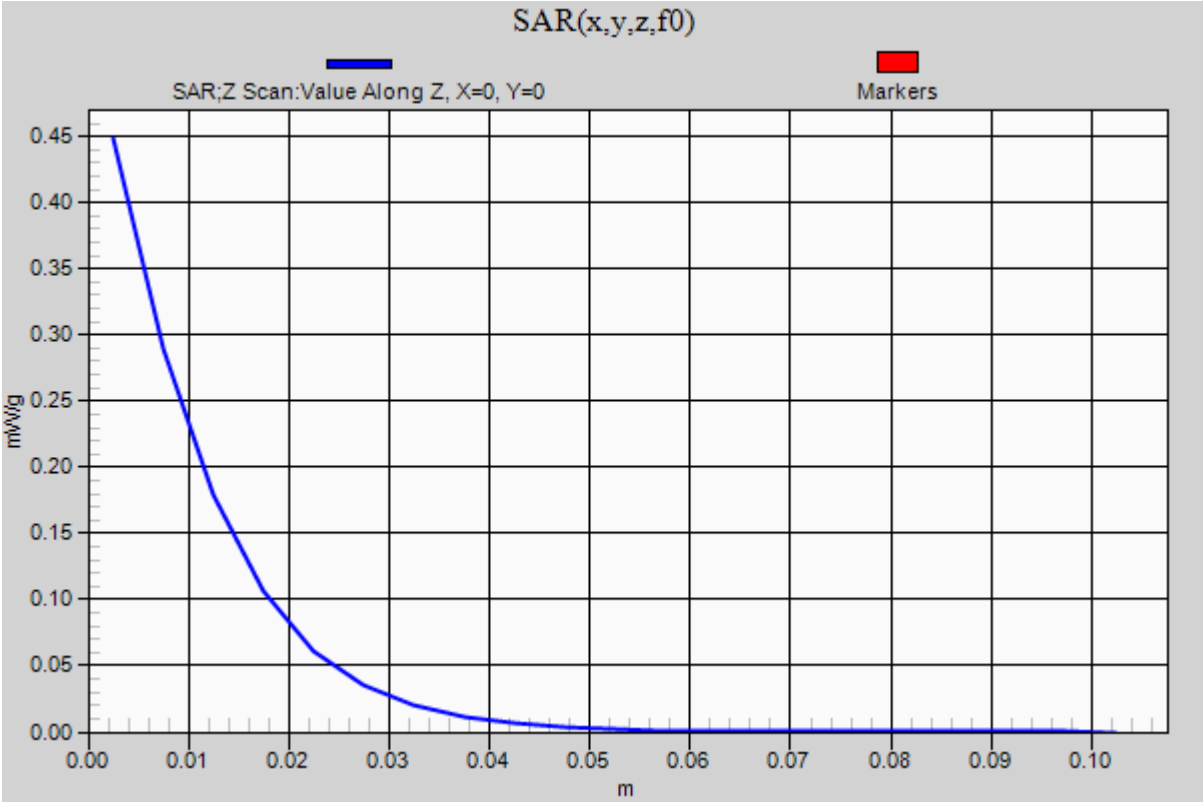
0 dB = 0.720mW/g = -2.85 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:2.60016

Rear_0mm/GPRS 3 slots_CH 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.448 mW/g



Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

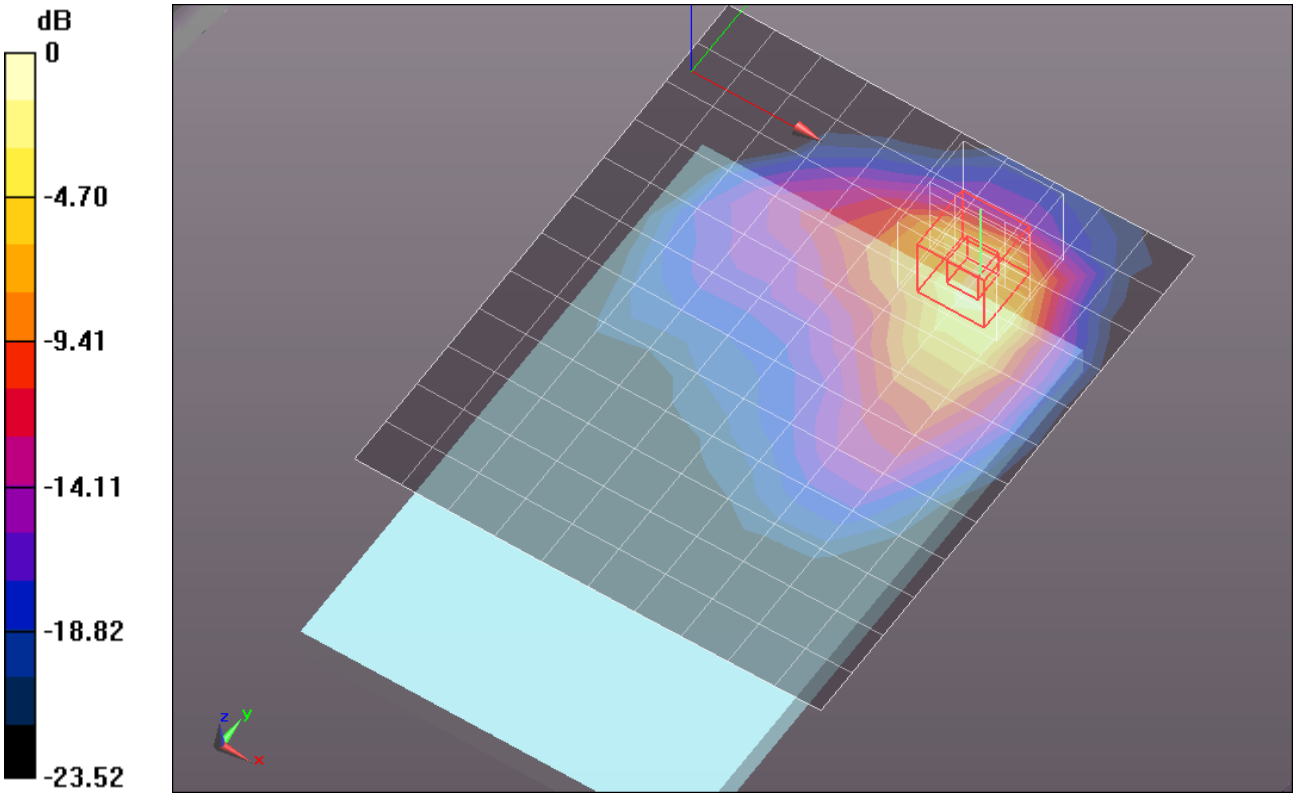
Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 53.549; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear_0mm_headset/GPRS 3 slots_CH 661/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.378 mW/g

Rear_0mm_headset/GPRS 3 slots_CH 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.846 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.9500
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.220 mW/g
Maximum value of SAR (measured) = 0.667 mW/g



0 dB = 0.670mW/g = -3.48 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

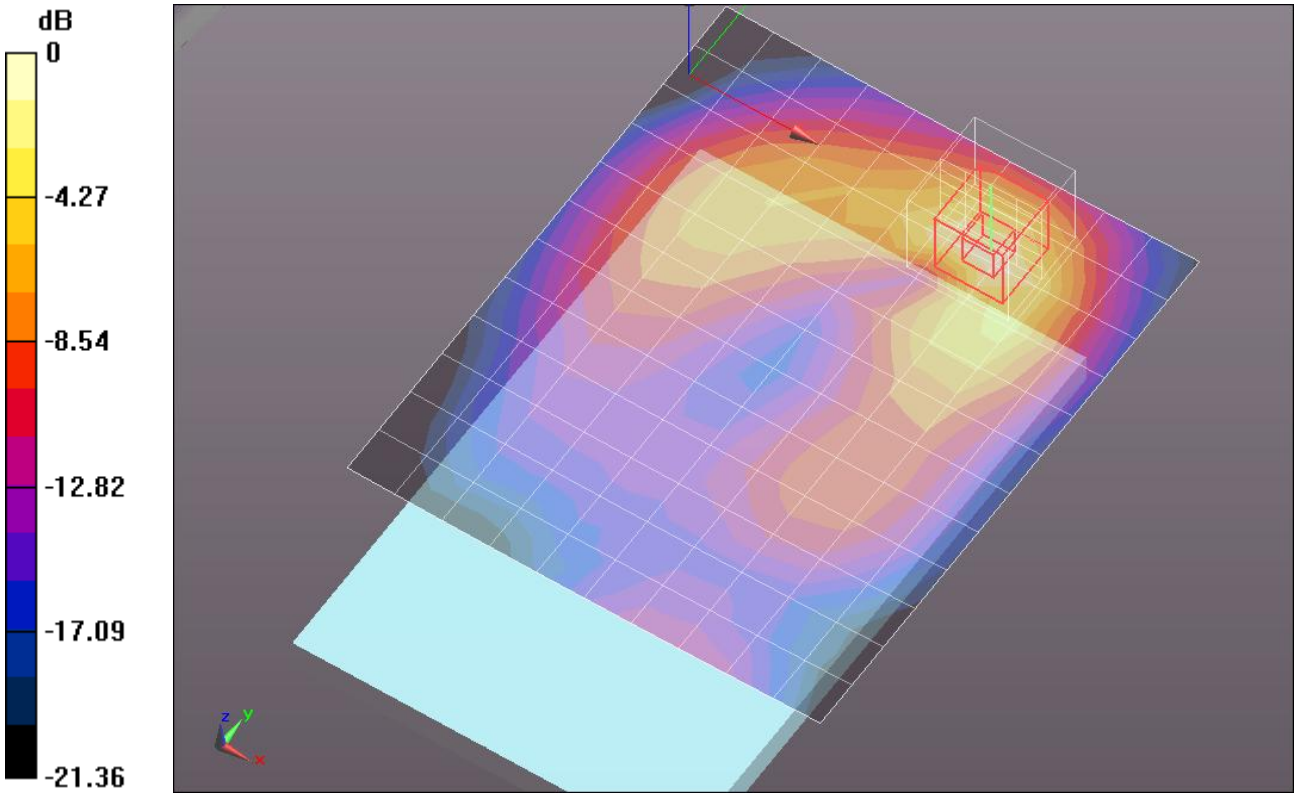
Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 53.549; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear_8mm/GPRS 3 slots_CH 661/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.578 mW/g

Rear_8mm/GPRS 3 slots_CH 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.740 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.7800
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.607 mW/g



0 dB = 0.610mW/g = -4.29 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

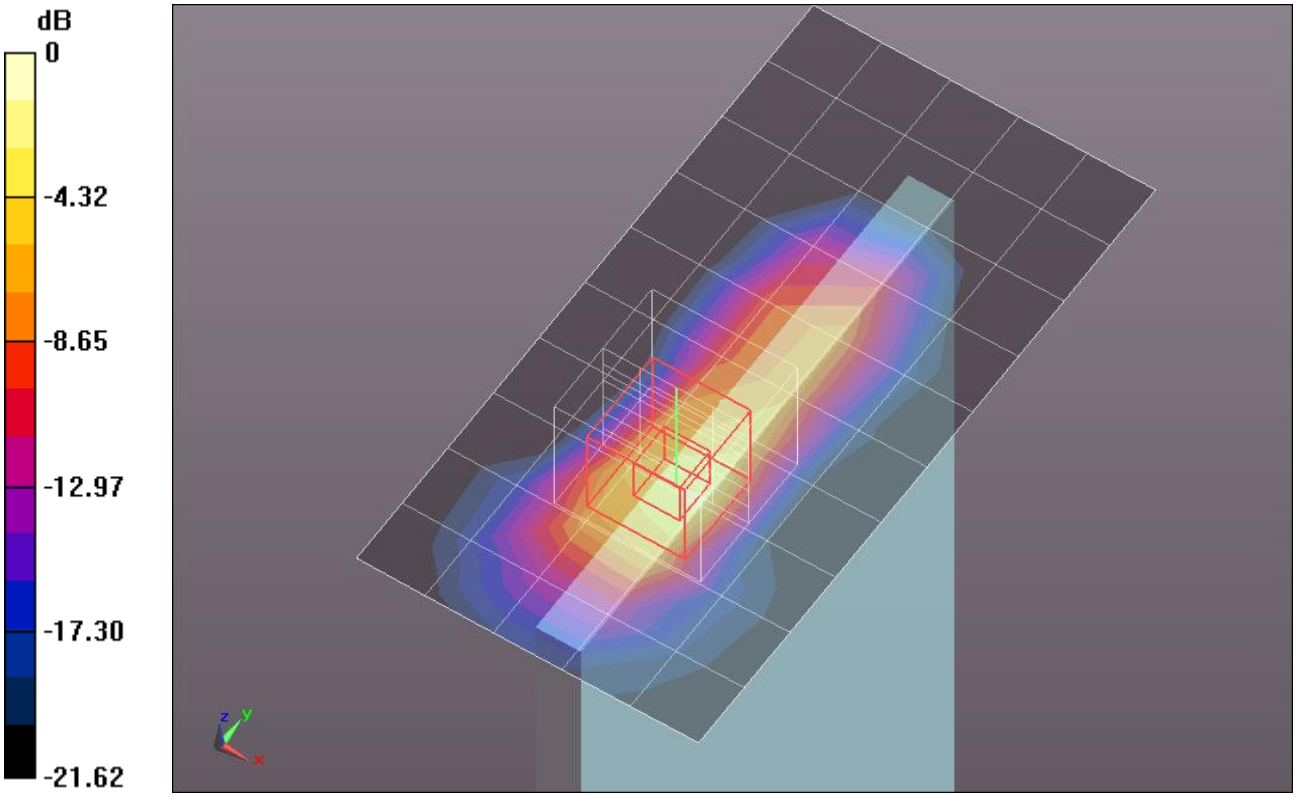
Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 53.549; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge_1_0mm/GPRS 3 slots_CH 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.416 mW/g

Edge_1_0mm/GPRS 3 slots_CH 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.834 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.9930
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.220 mW/g
Maximum value of SAR (measured) = 0.720 mW/g



0 dB = 0.720mW/g = -2.85 dB mW/g

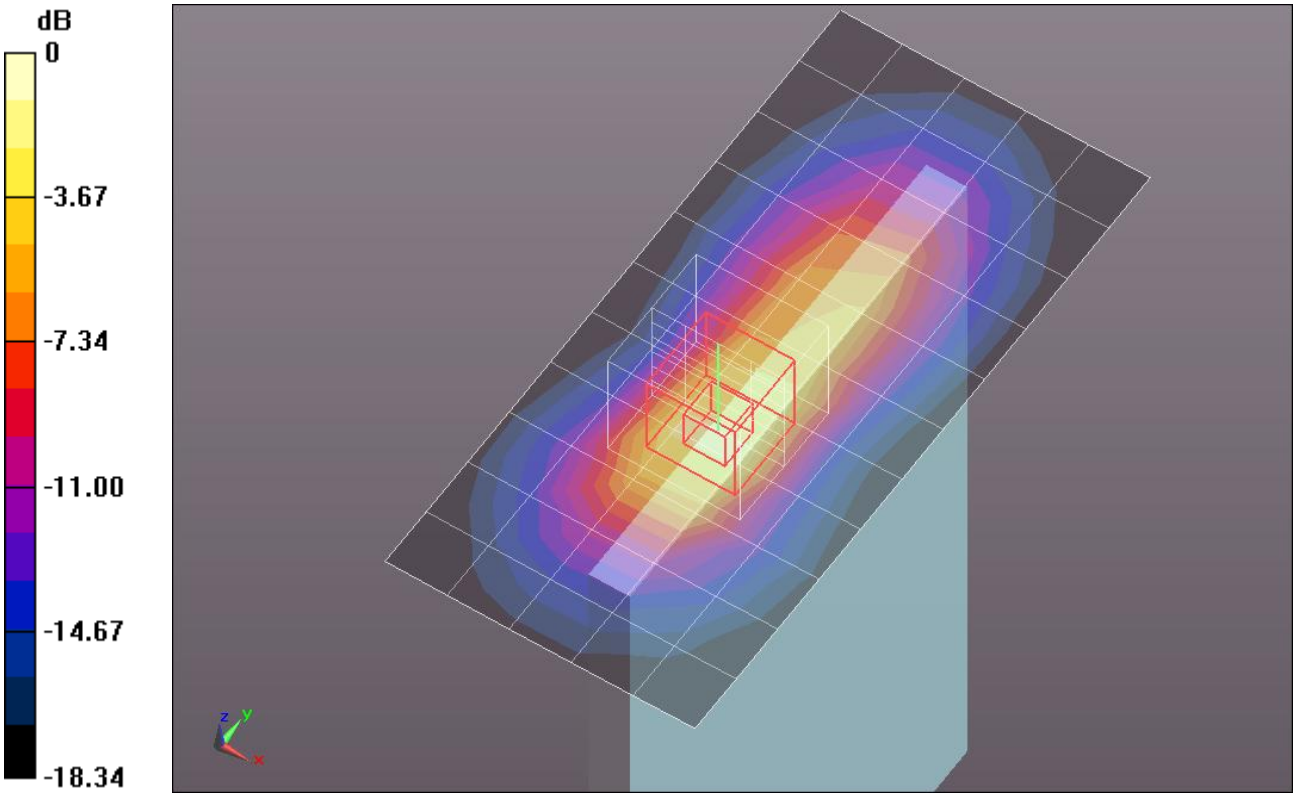
Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 53.549; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge_1_5mm/GPRS 3 slots_CH 661/Area Scan (6x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.643 mW/g

Edge_1_5mm/GPRS 3 slots_CH 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.867 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.3790
SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.393 mW/g
Maximum value of SAR (measured) = 1.051 mW/g



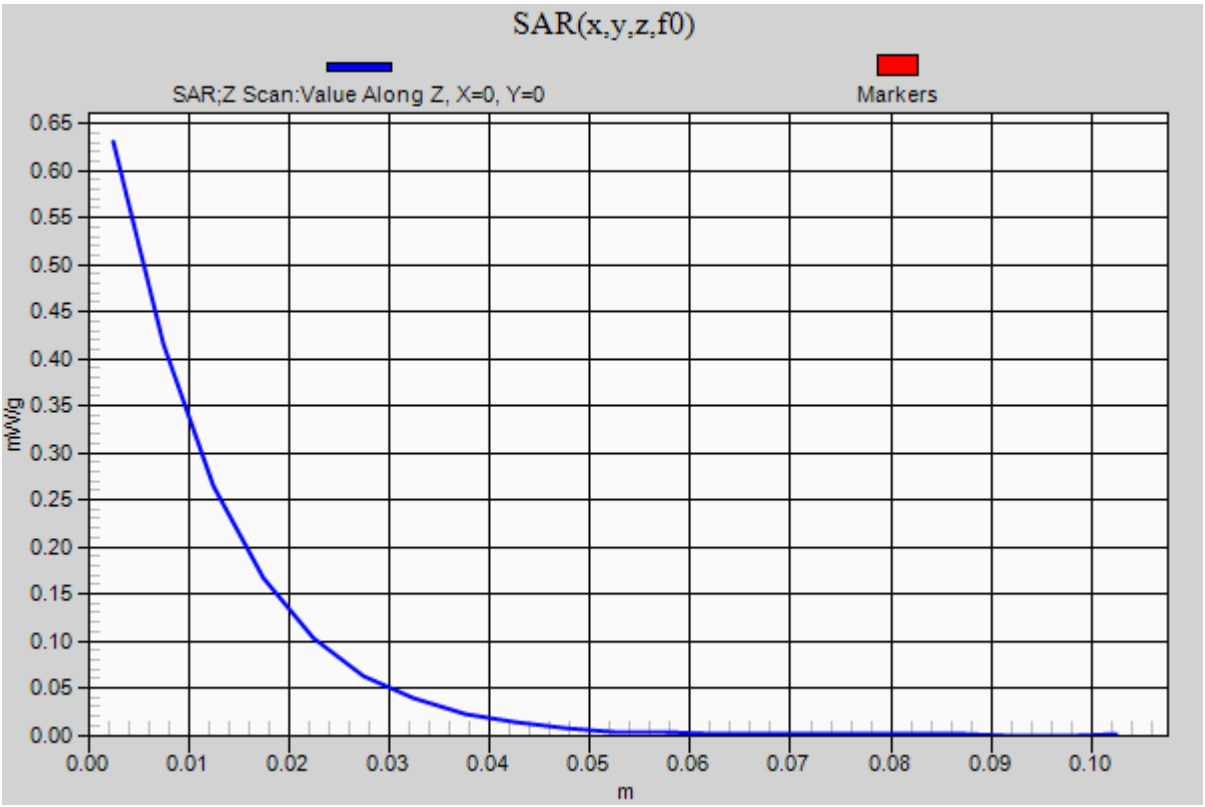
0 dB = 1.050mW/g = 0.42 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:2.60016

Edge_1_5mm/GPRS 3 slots_CH 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.631 mW/g



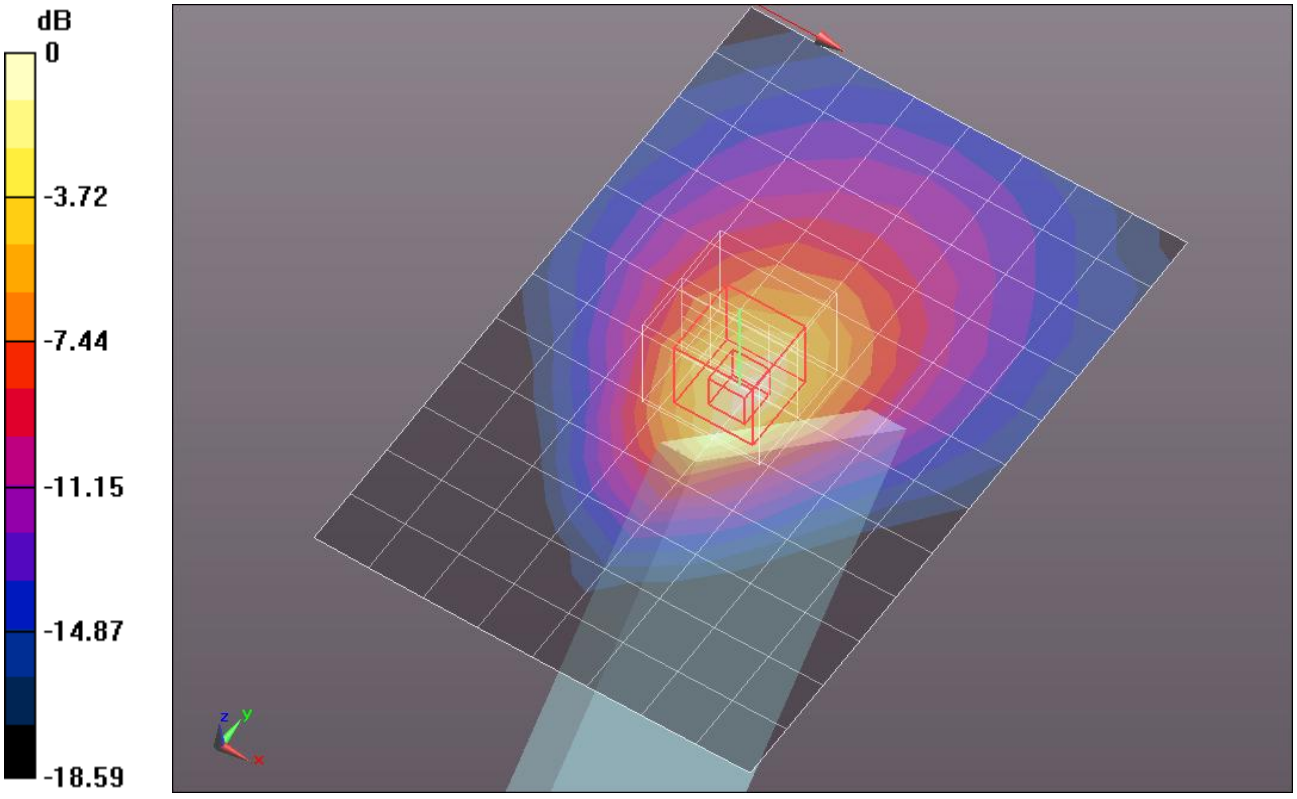
Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 53.549; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge_1_45deg_0mm/GPRS 3 slots_CH 661/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.516 mW/g

Edge_1_45deg_0mm/GPRS 3 slots_CH 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.731 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.7010
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.221 mW/g
Maximum value of SAR (measured) = 0.533 mW/g



0 dB = 0.530mW/g = -5.51 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 3/23/2012

GSM1900

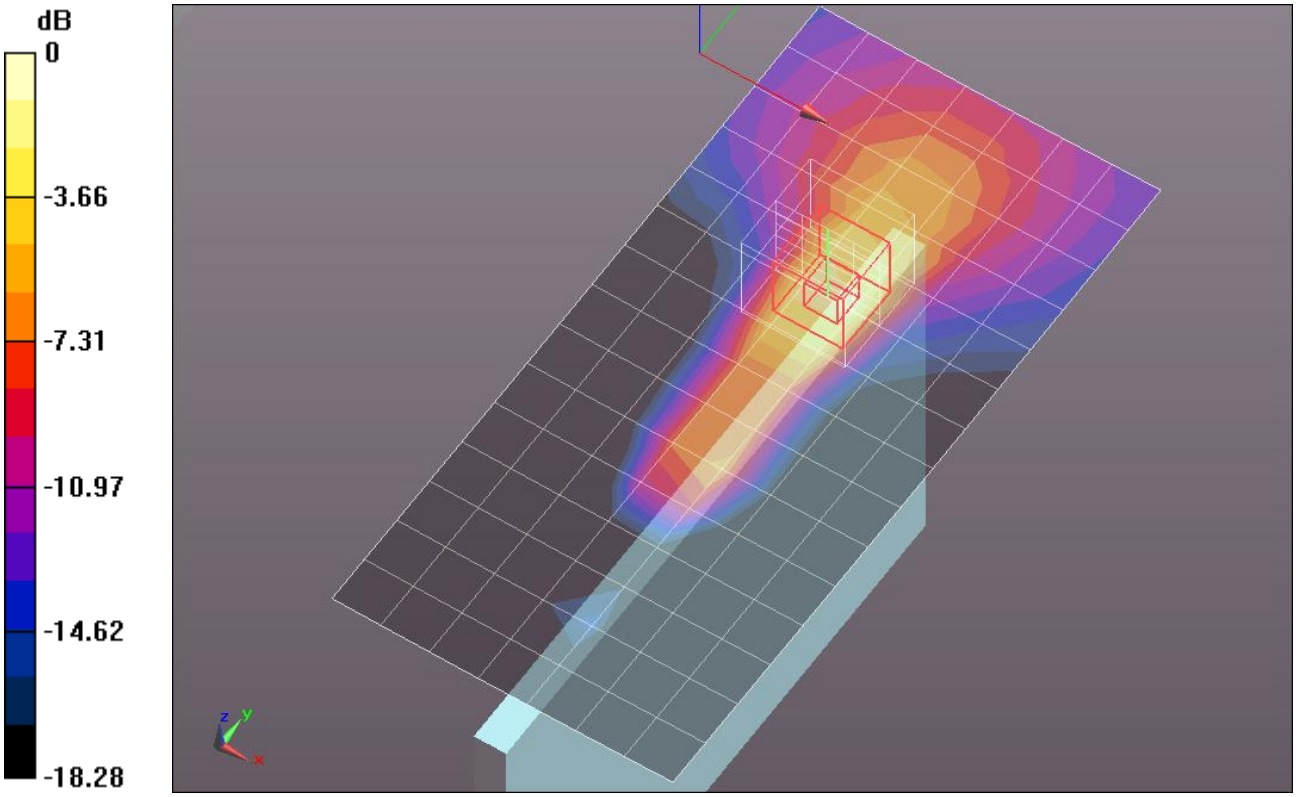
Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 53.549; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge_4/GPRS 3 slots_CH 661/Area Scan (8x16x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.287 mW/g

Edge_4/GPRS 3 slots_CH 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.366 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.7590
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.440 mW/g



0 dB = 0.440mW/g = -7.13 dB mW/g