Test Laboratory: UL CCS SAR Lab C Date: 6/24/2012

GSM 1900

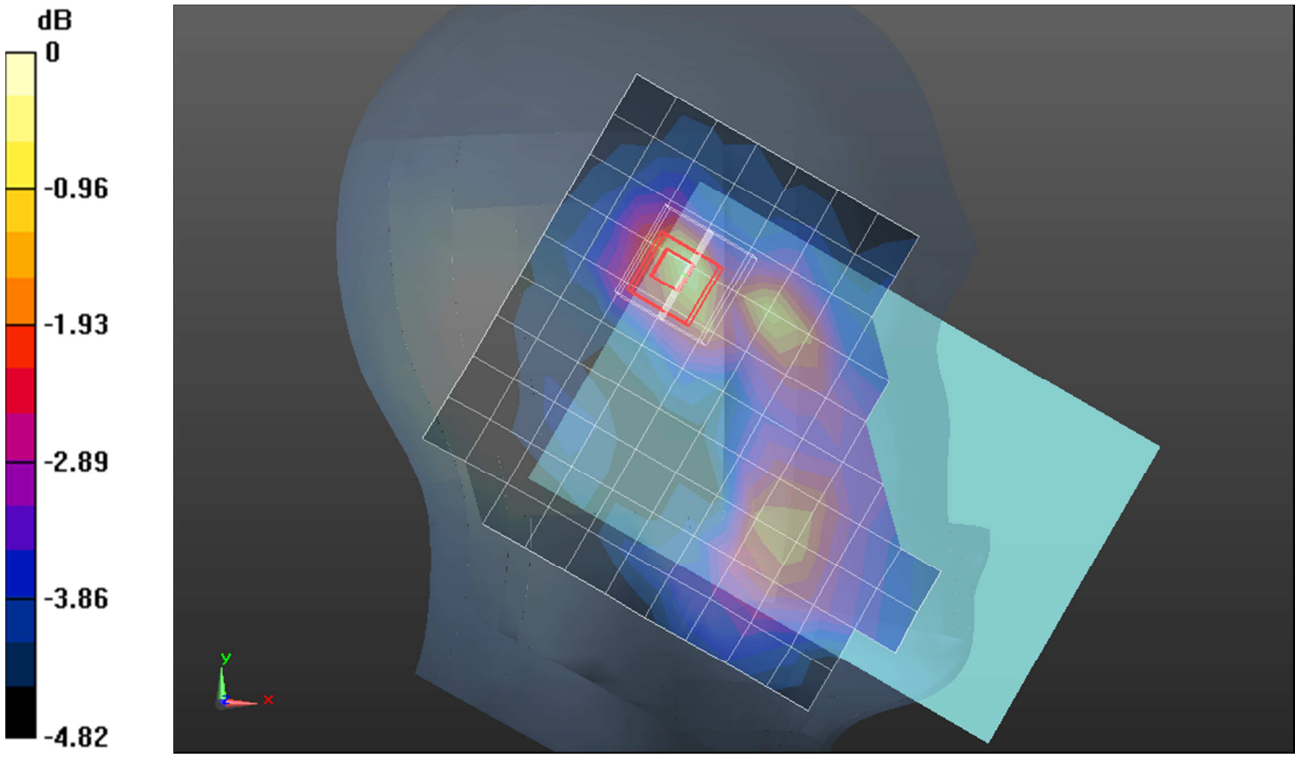
Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.403 mho/m; ε_r = 40.413; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Probe: EX3DV4 - SN3751; ConvF(7.33, 7.33, 7.33); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1632

LHS/Touch_GSMK_ch 661/Area Scan (11x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.129 mW/g

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

Reference Value = 9.806 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.1820
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.138 mW/g



0 dB = 0.140mW/g = -17.08 dB mW/g

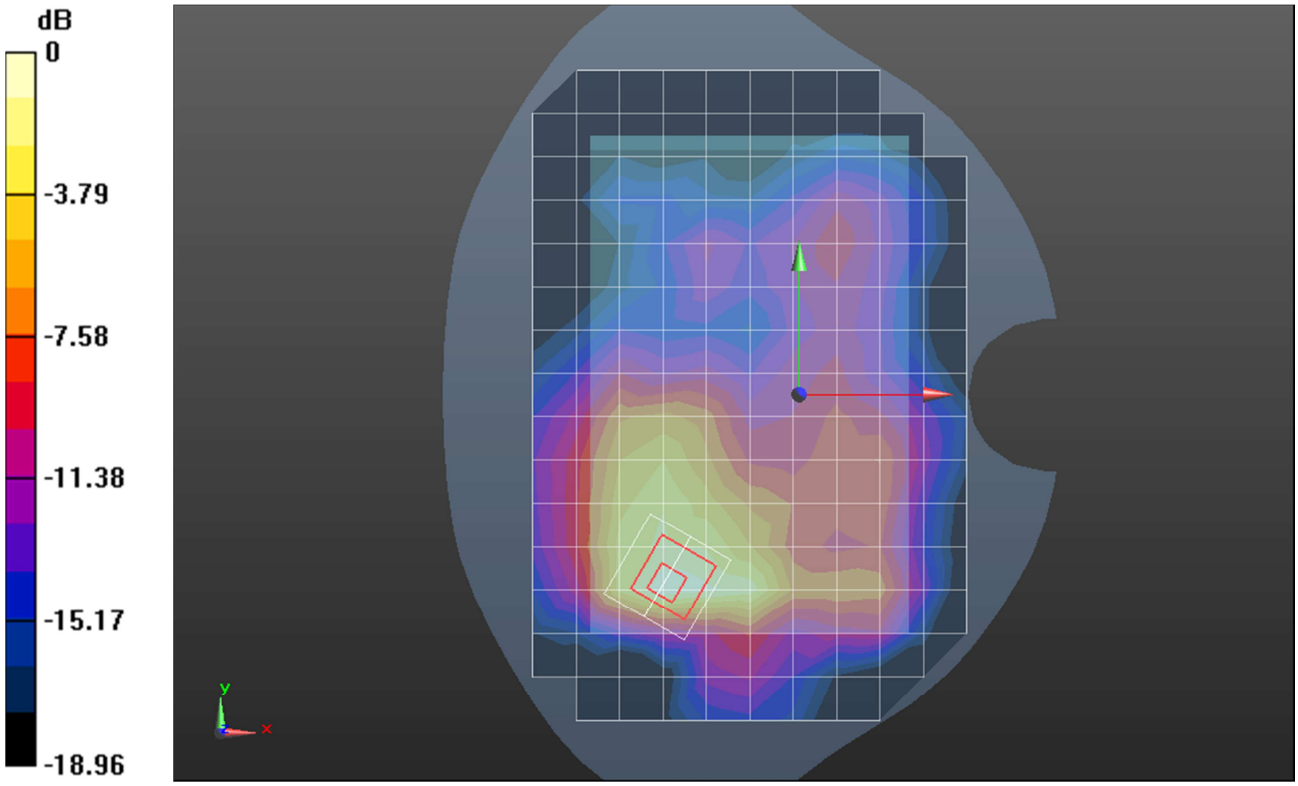
Test Laboratory: UL CCS SAR Lab C Date: 6/25/2012

GSM 1900

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; σ = 1.403 mho/m; ε_r = 40.413; ρ = 1000 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 Sn1239; Calibrated: 6/6/2012
- Probe: EX3DV4 - SN3751; ConvF(7.33, 7.33, 7.33); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1632

Head/Touch/Flat_GMSK Voice 1 slot_ch 661/Area Scan (11x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.298 mW/g

Head/Touch/Flat_GMSK Voice 1 slot_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.728 V/m; Power Drift = 0.0079 dB
Peak SAR (extrapolated) = 0.3980
SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.297 mW/g



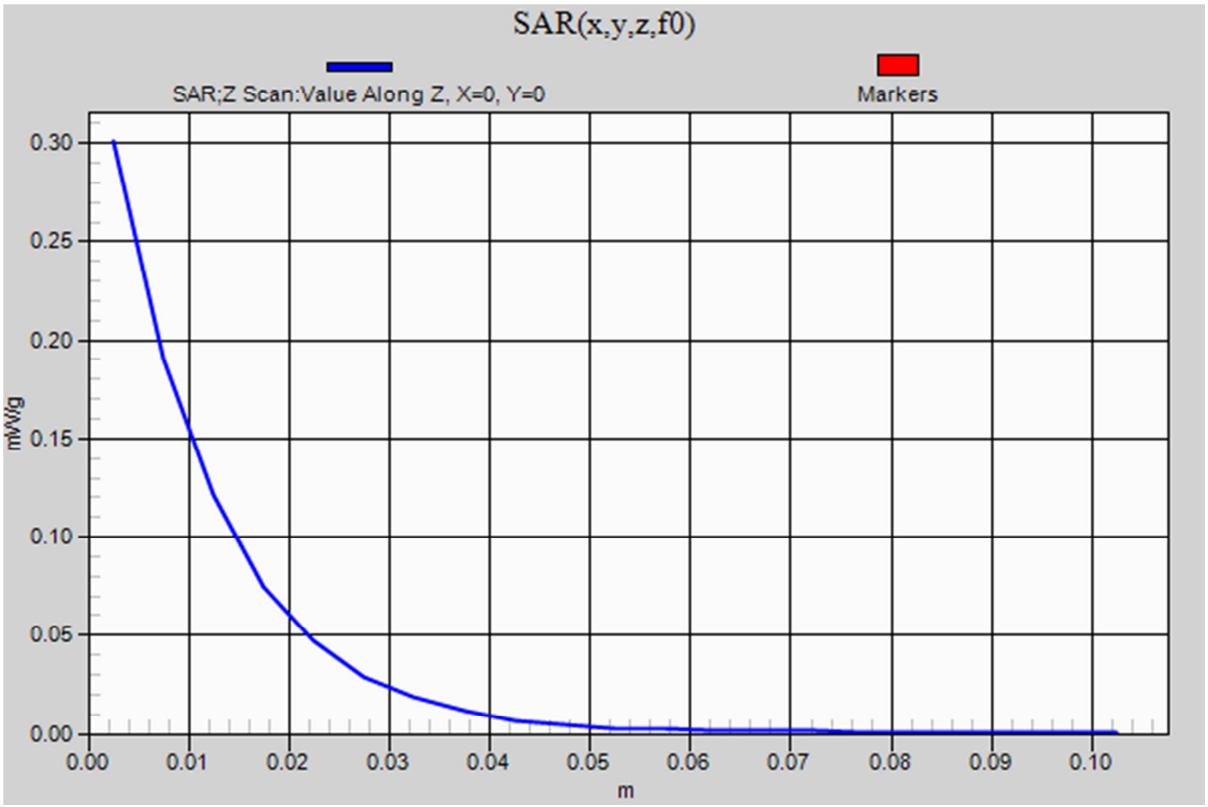
0 dB = 0.300mW/g = -10.46 dB mW/g

Test Laboratory: UL CCS SAR Lab C Date: 6/25/2012

GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Head/Touch/Flat_GMSK Voice 1 slot_ch 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.301 mW/g



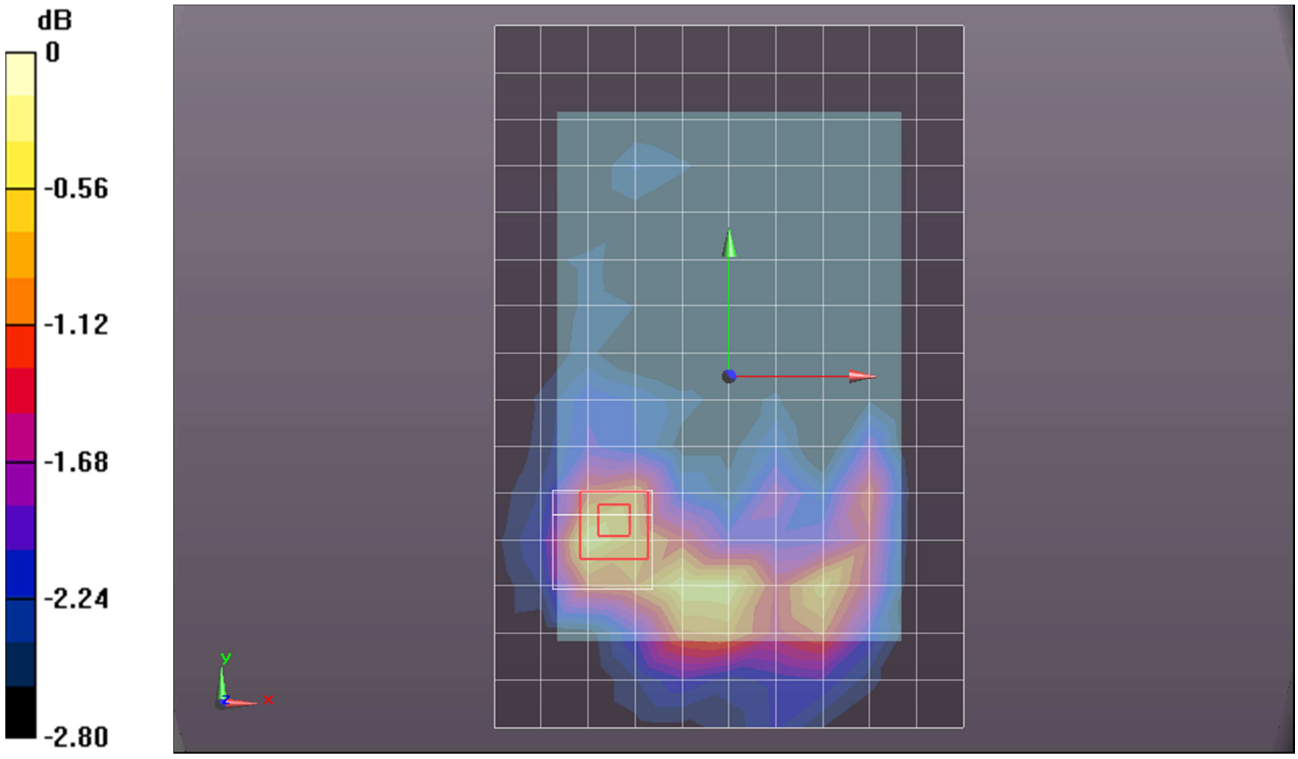
Test Laboratory: UL CCS SAR Lab C Date: 6/25/2012

GSM 1900

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; σ = 1.534 mho/m; ε_r = 54.363; ρ = 1000 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 Sn1239; Calibrated: 6/6/2012
- Probe: EX3DV4 - SN3751; ConvF(6.83, 6.83, 6.83); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

Body/Rear_GMSK_ch 661/Area Scan (11x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.369 mW/g

Body/Rear_GMSK_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.745 V/m; Power Drift = 0.0024 dB
Peak SAR (extrapolated) = 0.4470
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.395 mW/g



0 dB = 0.400mW/g = -7.96 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 8/1/2012

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.521 mho/m; ε_r = 51.59; ρ = 1000 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Body/Rear/GPRS 4 slots/0mm/ch661/Area Scan (11x18x1): Measurement grid: dx=15mm, dy=15mm

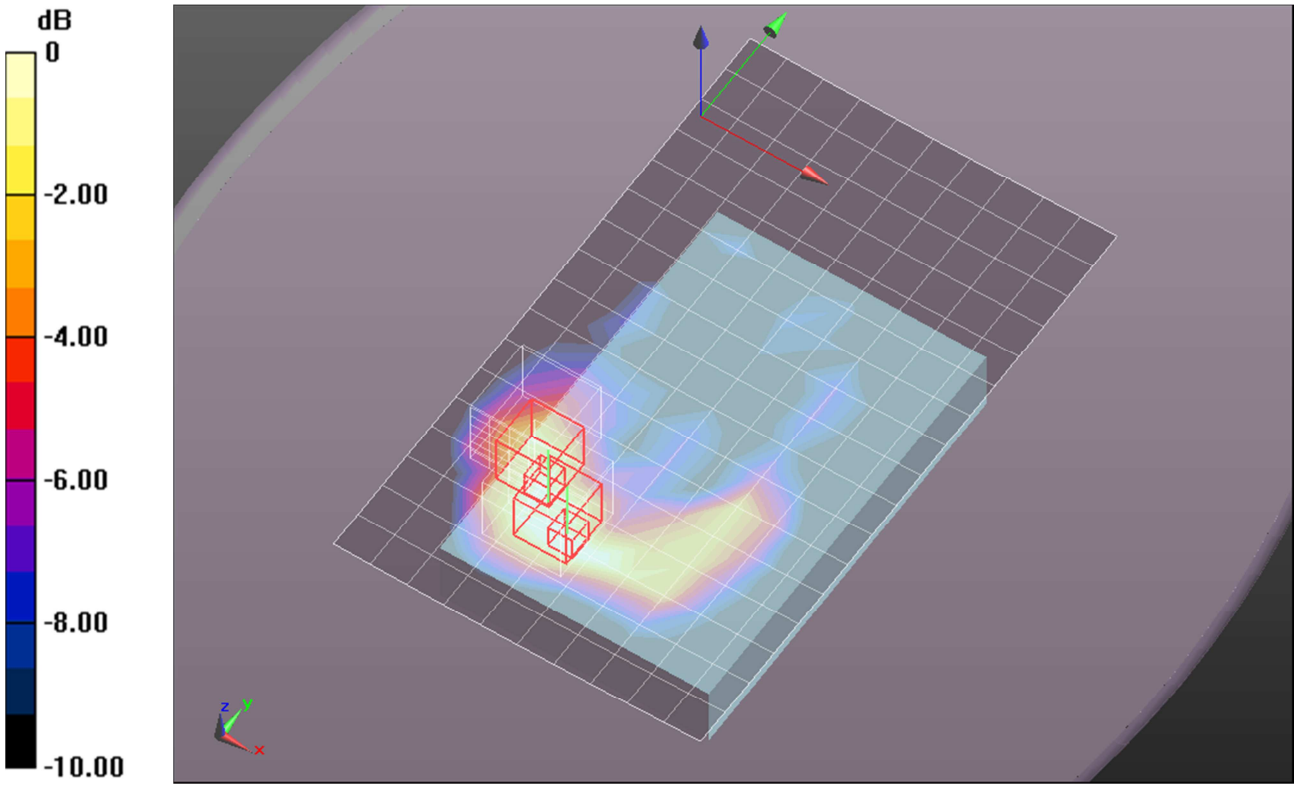
Maximum value of SAR (measured) = 0.780 mW/g

Body/Rear/GPRS 4 slots/0mm/ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.641 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.0640
SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.816 mW/g

Body/Rear/GPRS 4 slots/0mm/ch661/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.641 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.8980
SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 0.683 mW/g



0 dB = 0.680mW/g = -3.35 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 8/1/2012

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.521 mho/m; ε_r = 51.59; ρ = 1000 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Body/Rear/GPRS 4 slots/0mm/ch661 with Headset/Area Scan (11x18x1): Measurement grid: dx=15mm, dy=15mm

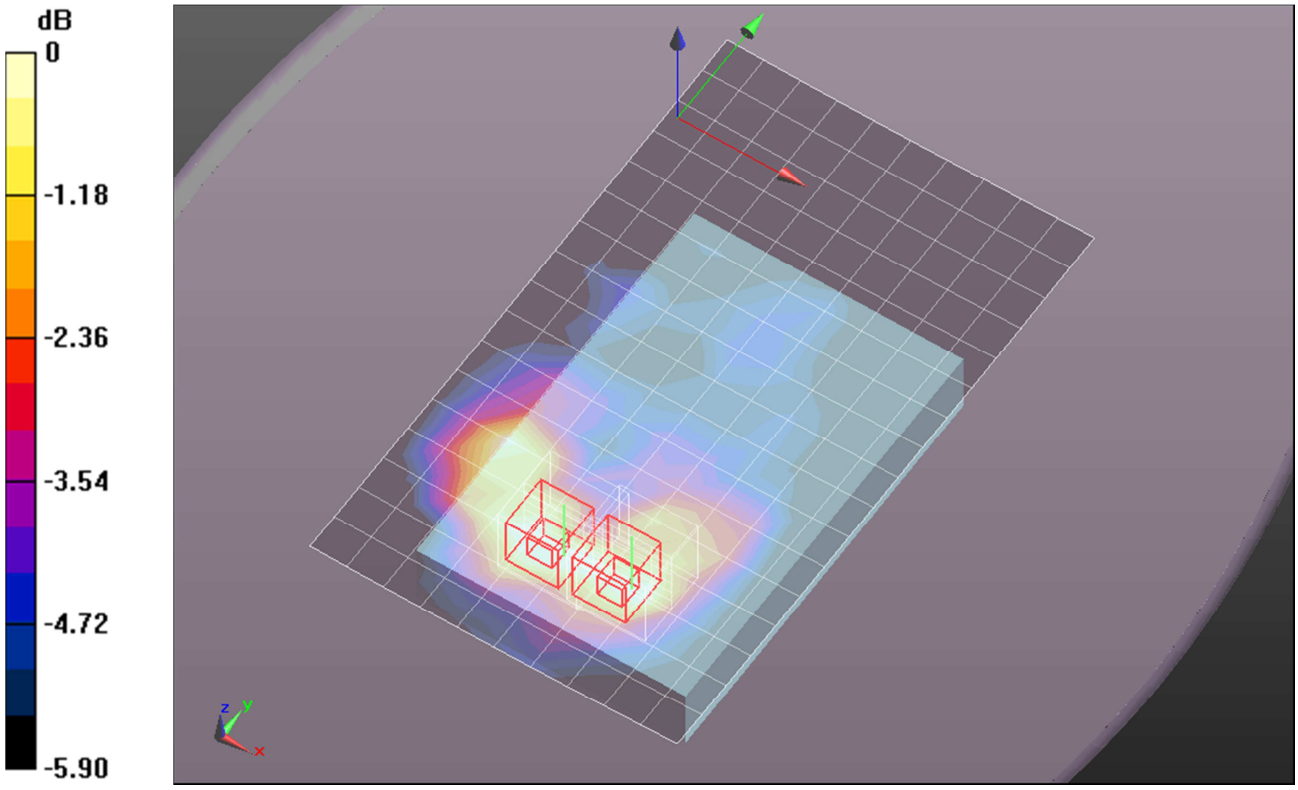
Maximum value of SAR (measured) = 0.514 mW/g

Body/Rear/GPRS 4 slots/0mm/ch661 with Headset/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.904 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.5790
SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 0.481 mW/g

Body/Rear/GPRS 4 slots/0mm/ch661 with Headset/Zoom Scan (5x5x7)/Cube 1:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.904 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.5460
SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 0.437 mW/g



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

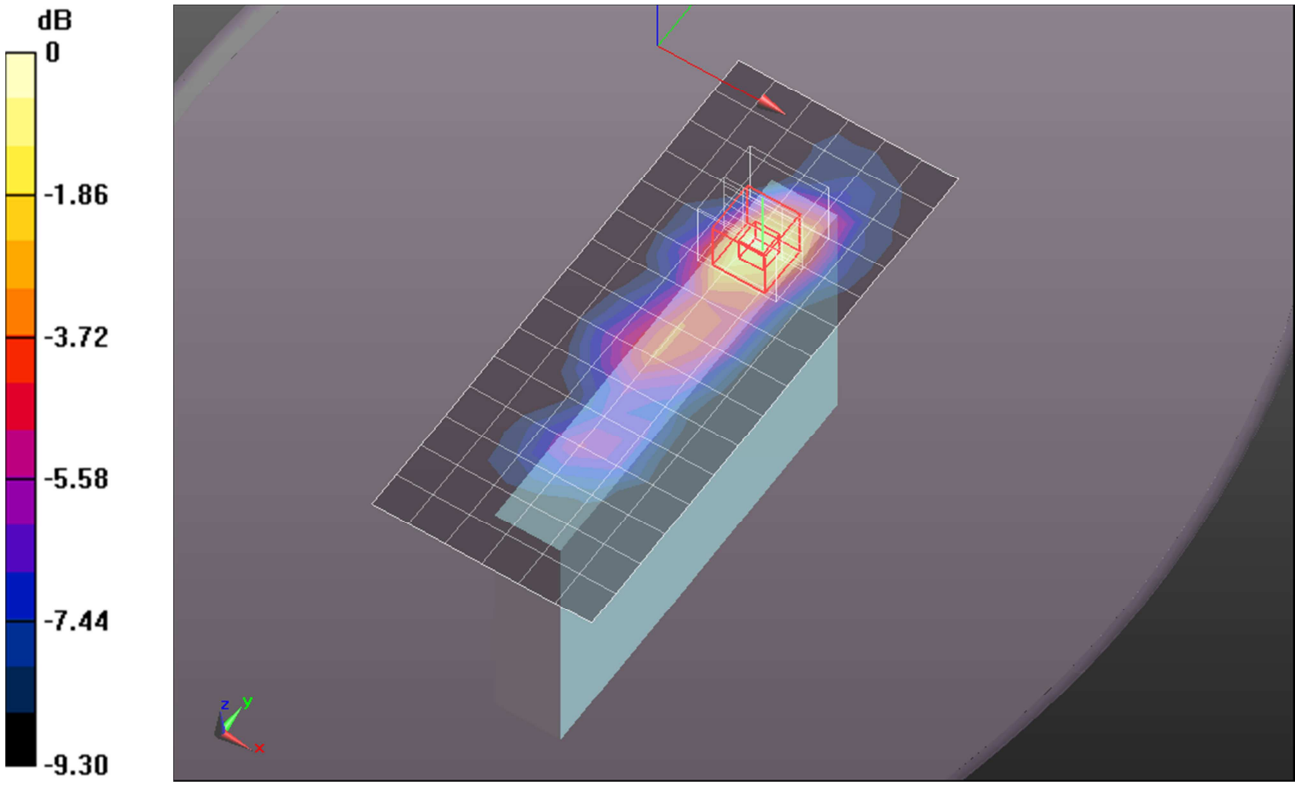
Test Laboratory: UL CCS SAR Lab B Date: 7/8/2012

GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 53.171; ρ = 1000 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 Sn1239; Calibrated: 6/6/2012
- Probe: EX3DV4 - SN3751; ConvF(6.83, 6.83, 6.83); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

Body/Edge 3_GPRS 4 slots_ch 661/Area Scan (7x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.837 mW/g

Body/Edge 3_GPRS 4 slots_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.503 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.3520
SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 1.010 mW/g



0 dB = 1.010mW/g = 0.09 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 7/8/2012

GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986

Body/Edge 3_GPRS 4 slots_ch 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.837 mW/g