Test Laboratory: UL CCS SAR Lab A

1_Vertical Ant_Down

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 52.26; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

GPRS 1900 2 slots/Main_Ant_Ch-M/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
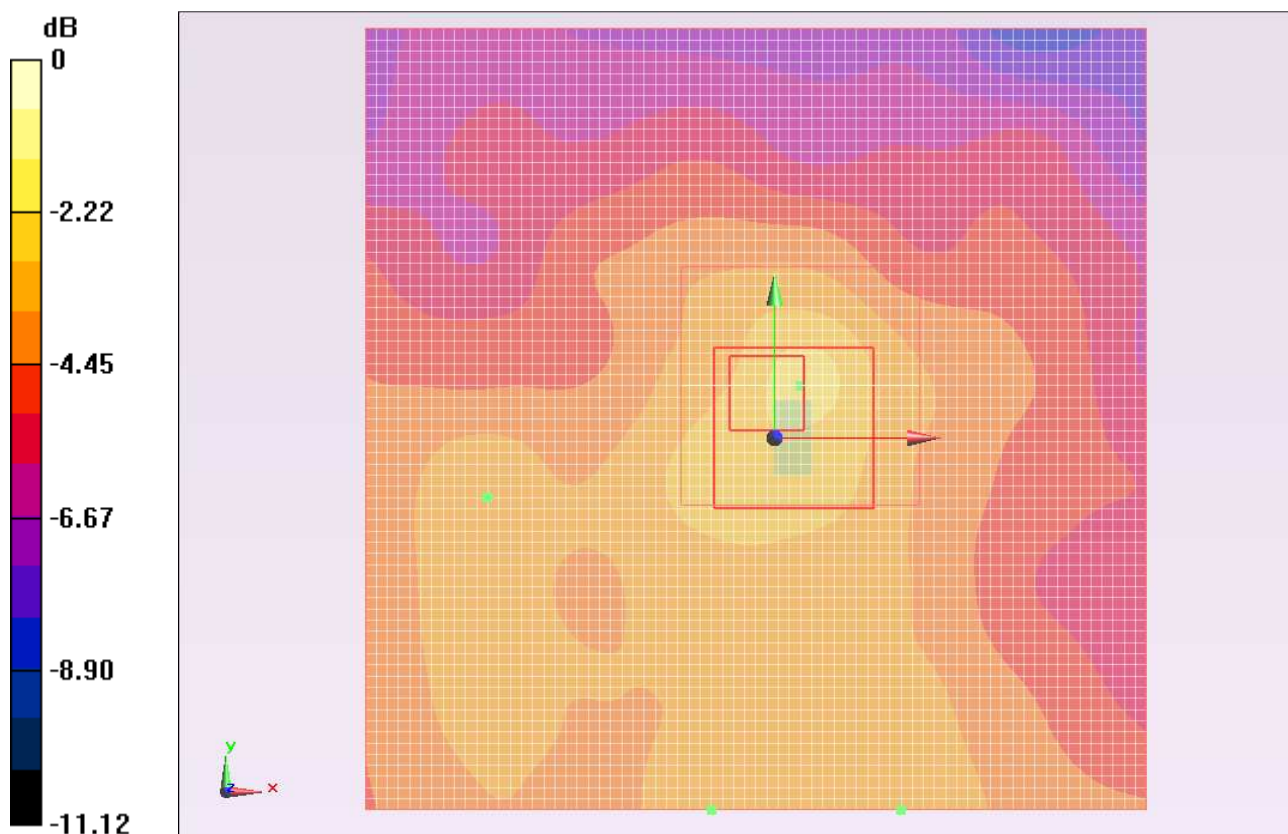Maximum value of SAR (interpolated) = 0.019 mW/g

GPRS 1900 2 slots/Main_Ant_Ch-M/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,
dy=8mm, dz=5mm
Reference Value = 3.409 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.050 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.034 mW/g

0 dB = 0.030mW/g

Test Laboratory: UL CCS SAR Lab A

2_Vertical Ant_Up

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 52.26; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

GPRS 1900 2 slots/Main_Ant_Ch-M/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
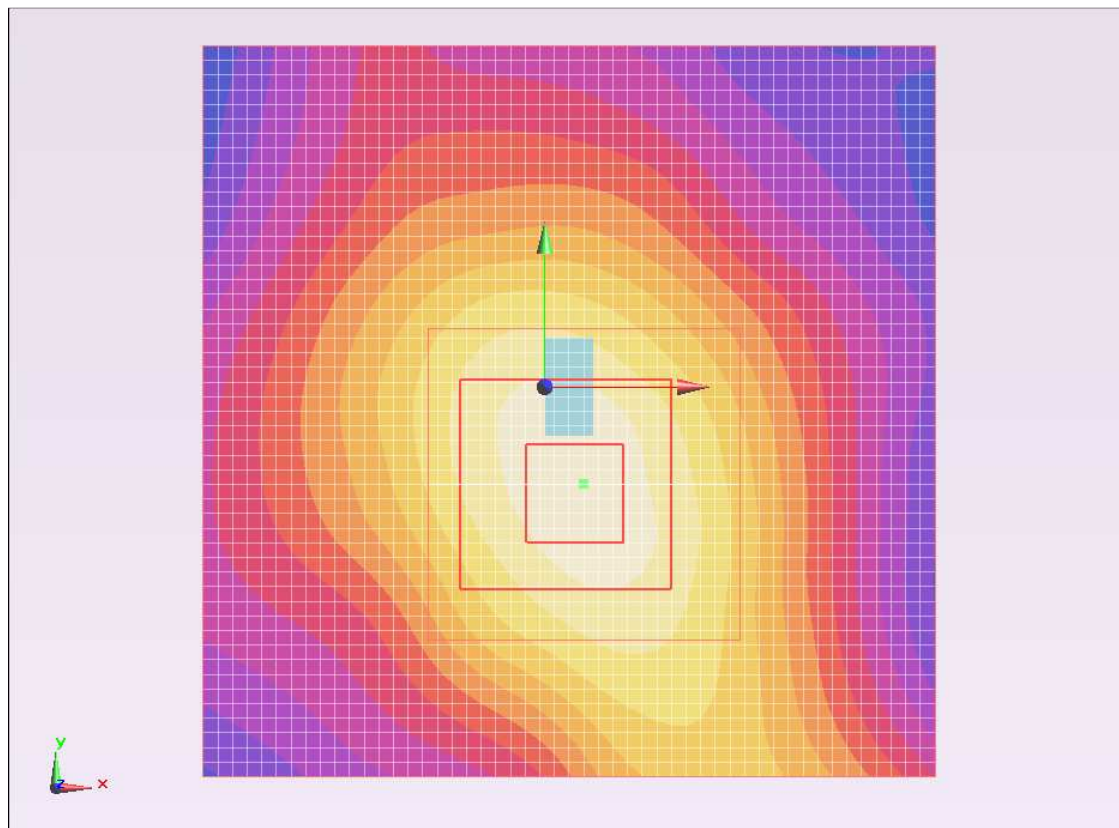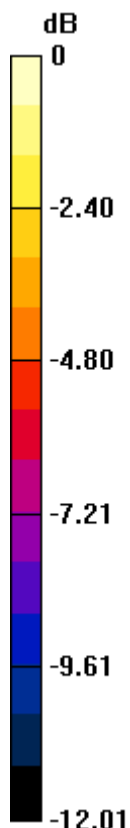Maximum value of SAR (interpolated) = 0.049 mW/g

GPRS 1900 2 slots/Main_Ant_Ch-M/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,
dy=8mm, dz=5mm
Reference Value = 5.335 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.066 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.050 mW/g

0 dB = 0.050mW/g

Test Laboratory: UL CCS SAR Lab B

1_Horizontal Ant_UP

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 51.004; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA002BB; Serial: 1120
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

GPRS 1900 2 slots/Main_Ant_Ch-M/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
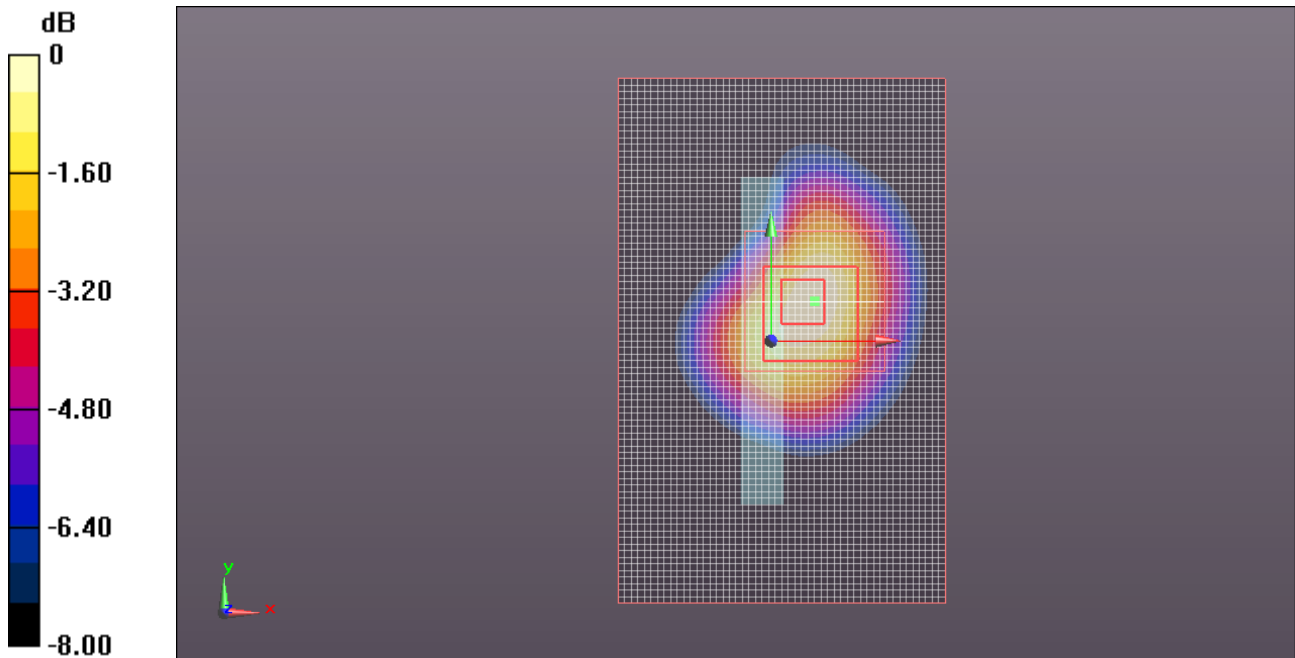Maximum value of SAR (interpolated) = 0.470 mW/g

GPRS 1900 2 slots/Main_Ant_Ch-M/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.979 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.689 W/kg
SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.211 mW/g
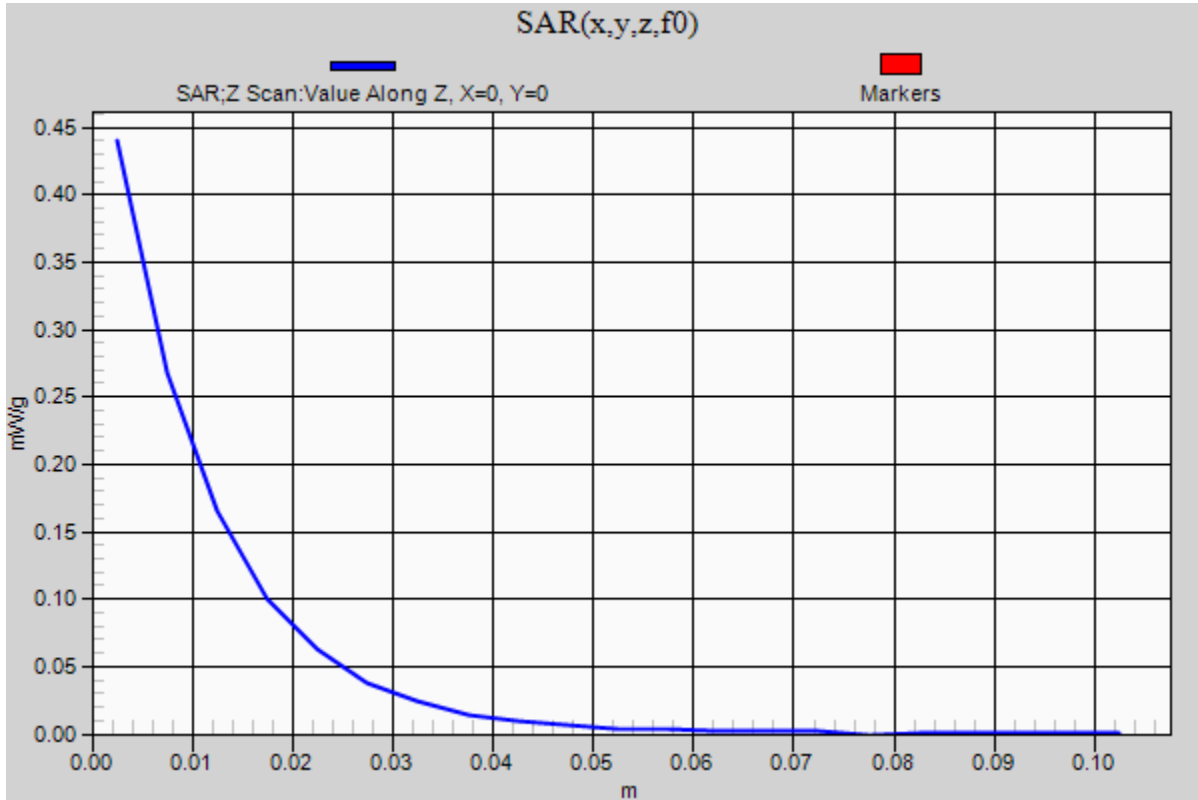Maximum value of SAR (measured) = 0.462 mW/g

0 dB = 0.460mW/g

Test Laboratory: UL CCS SAR Lab B

1_Horizontal Ant_UP

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz; Duty Cycle: 1:4.00037

GPRS 1900 2 slots/Main_Ant_Ch-M/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.440 mW/g

Test Laboratory: UL CCS SAR Lab B

1_Horizontal Ant_DOWN

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 51.004; ρ = 1000 kg/m³
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA002BB; Serial: 1120
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

GPRS 1900 2 slots/Main_Ant_Ch-M/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
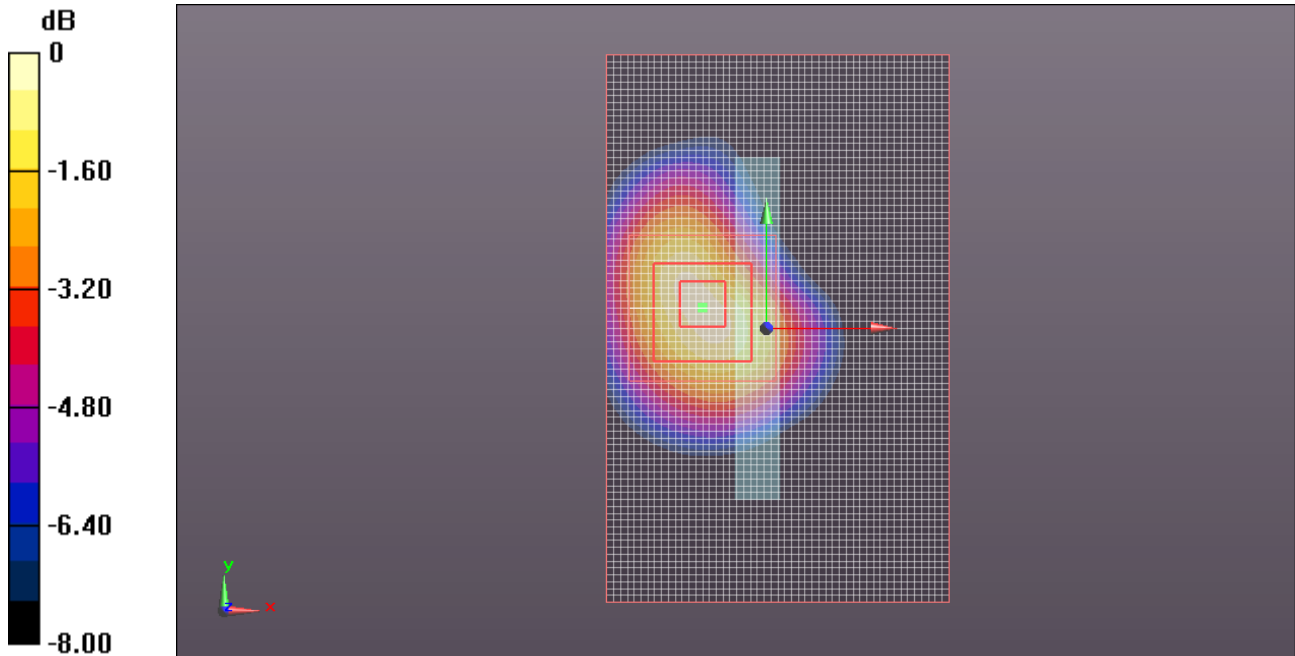Maximum value of SAR (interpolated) = 0.352 mW/g

GPRS 1900 2 slots/Main_Ant_Ch-M/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.462 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.478 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.373 mW/g
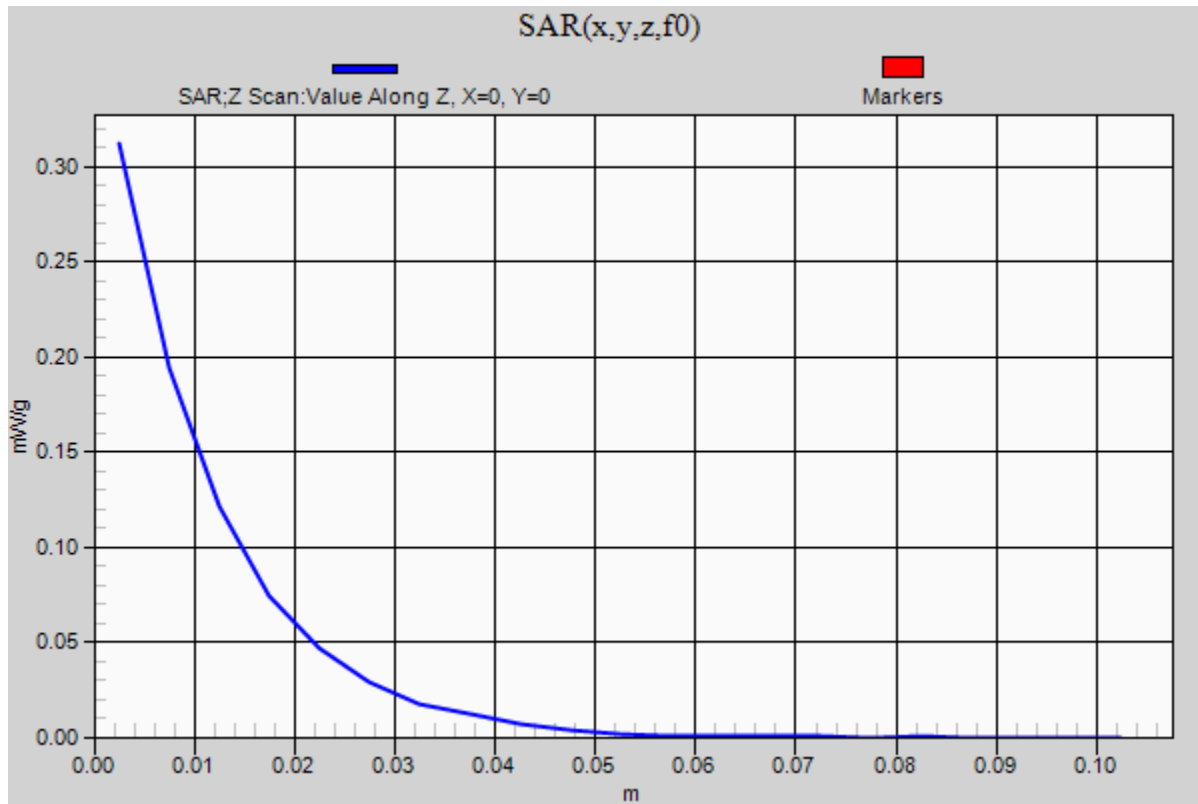

0 dB = 0.370mW/g

Test Laboratory: UL CCS SAR Lab B

1_Horizontal Ant_DOWN

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037

GPRS 1900 2 slots/Main_Ant_Ch-M/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.312 mW/g

Test Laboratory: UL CCS SAR Lab A

5_Horizontal Ant_Front

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; $ε_r$ = 52.26; ρ = 1000 kg/m^3
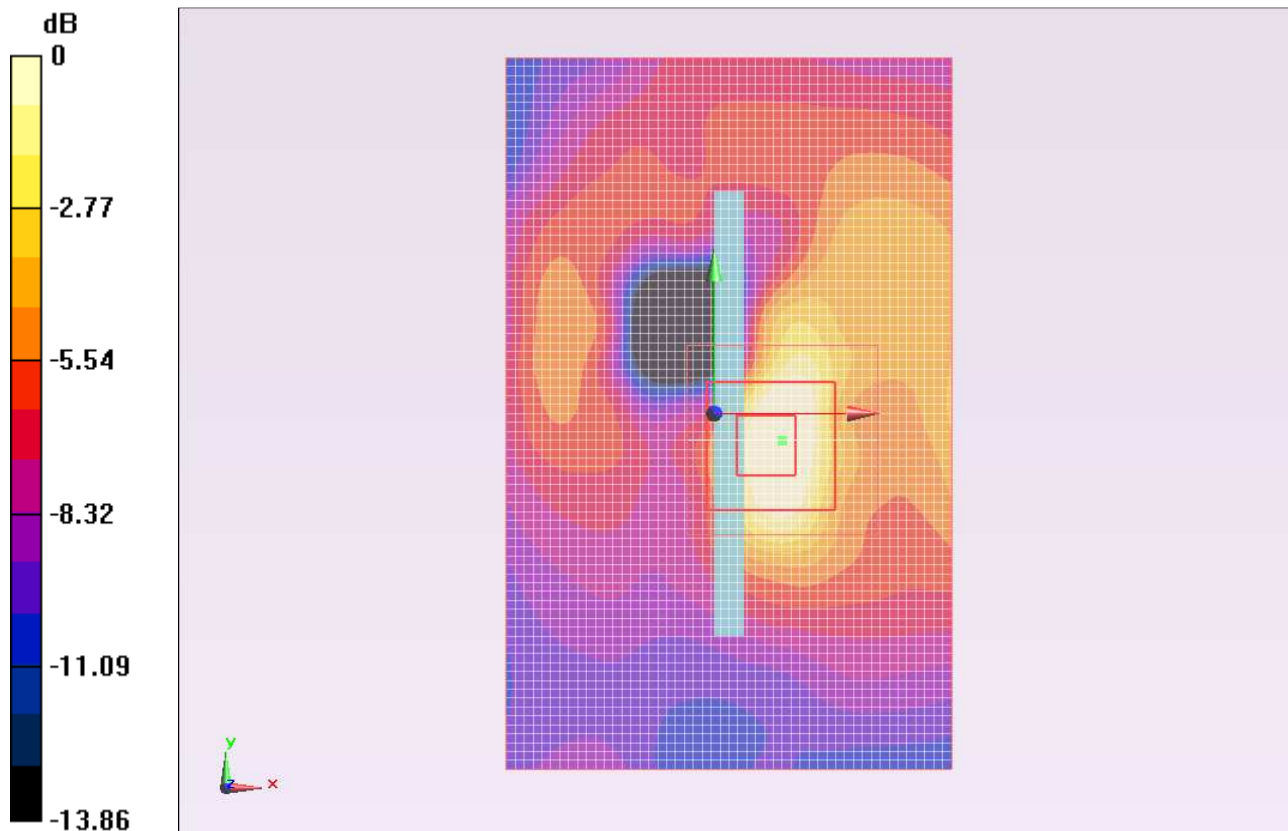Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

GPRS 1900 2 slots/Main_Ant_Ch-M/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.101 mW/g

GPRS 1900 2 slots/Main_Ant_Ch-M/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.129 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.078 mW/g

0 dB = 0.080mW/g

Test Laboratory: UL CCS SAR Lab A

6_Horizontal Ant_Back

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε$_r$ = 52.26; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

GPRS 1900 2 slots/Main_Ant_Ch-M/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
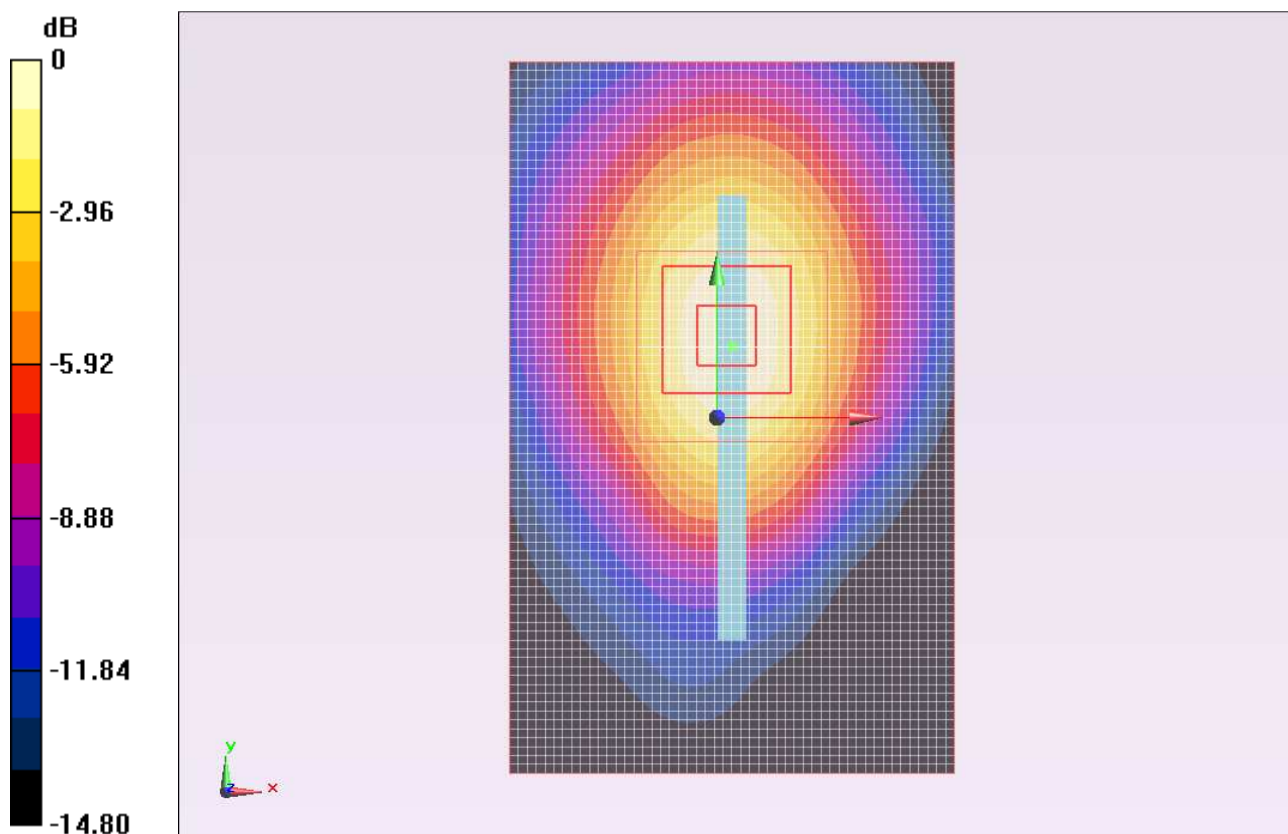Maximum value of SAR (interpolated) = 0.340 mW/g

GPRS 1900 2 slots/Main_Ant_Ch-M/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,
dy=8mm, dz=5mm
Reference Value = 13.729 V/m; Power Drift = -0.0091 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.335 mW/g

0 dB = 0.330mW/g