Date: 8/10/2011

Test Laboratory: UL CCS SAR Lab A

## 01_Bottom_L-ch_GPRS1900

Communication System: GPRS(GMSK, 2 slots); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037
Medium parameters used (interpolated): f = 1850.2 MHz; $\sigma$ = 1.499 mho/m; $\varepsilon_r$ = 52.578; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

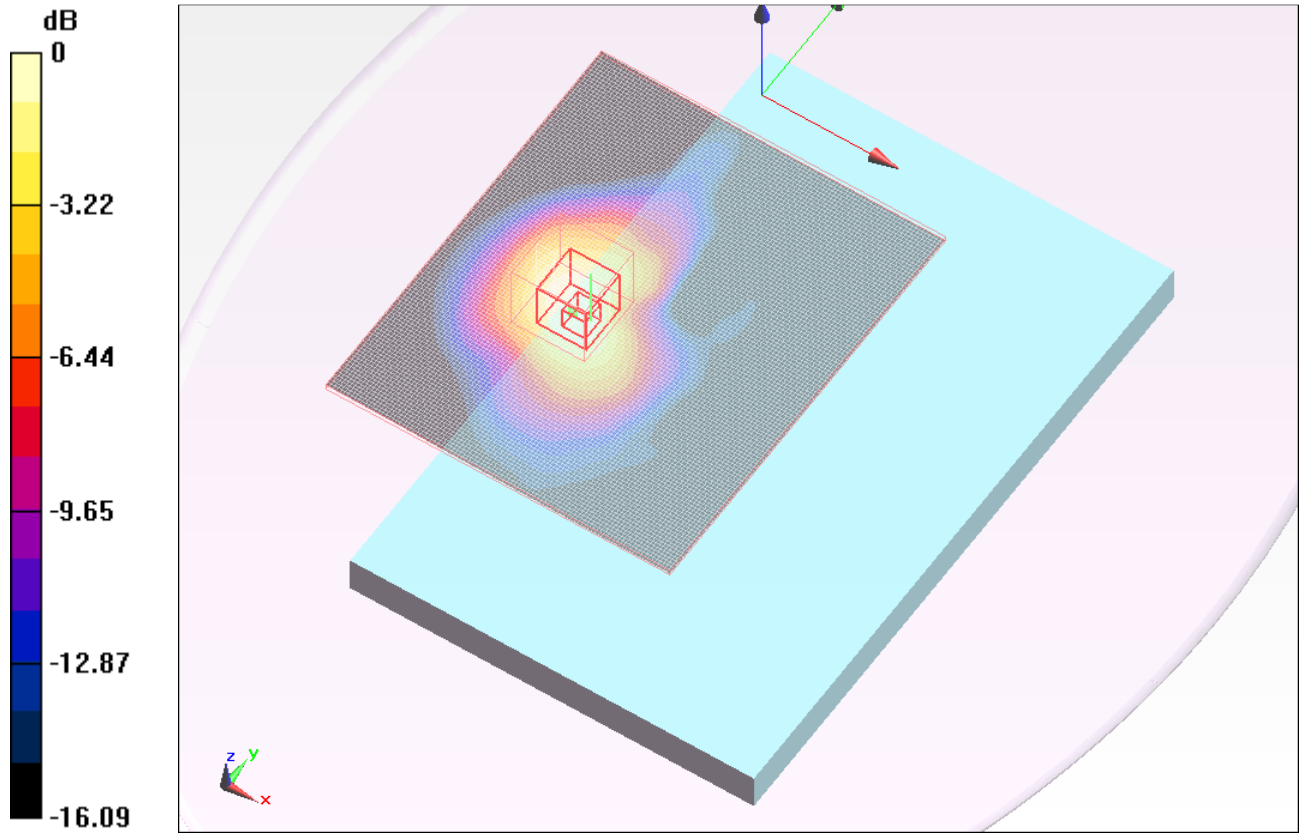
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and  with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical 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_2 slots/M-ch/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.234 mW/g

### GPRS_2 slots/M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.149 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.481 W/kg
**SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.573 mW/g**
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.154 mW/g




0 dB = 1.150mW/g

Date: 8/10/2011

Test Laboratory: UL CCS SAR Lab A

## 02_Bottom Face_M-ch_GPRS1900

Communication System: GPRS(GMSK, 2 slots); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.533 mho/m; $\varepsilon_r$ = 52.471; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

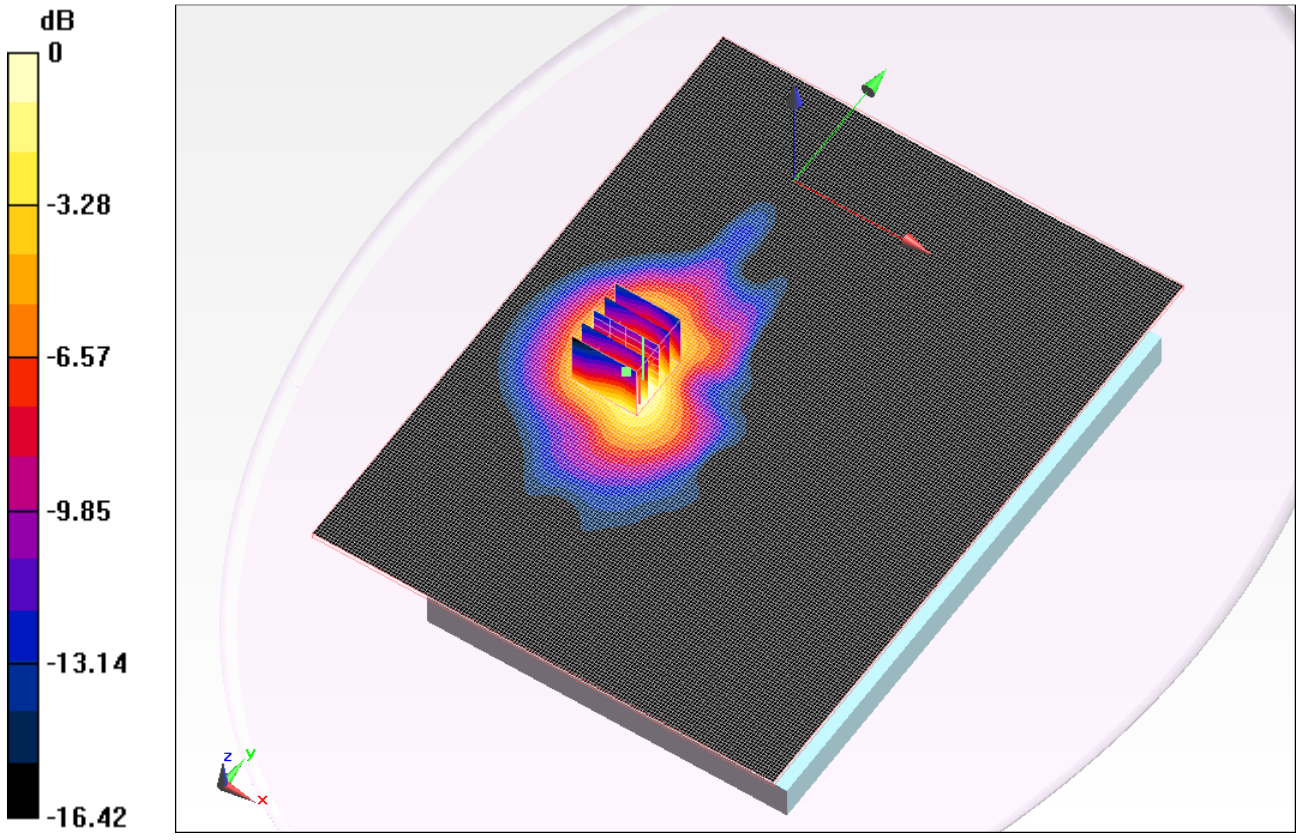
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and  with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical 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_2 slots/M-ch/Area Scan (151x201x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.597 mW/g

### GPRS_2 slots/M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.485 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.059 W/kg
**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.786 mW/g**
Maximum value of SAR (measured) = 1.580 mW/g




0 dB = 1.580mW/g

Date: 8/10/2011

Test Laboratory: UL CCS SAR Lab A

## 03_Bottom Face_M-ch_GPRS1900

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1909.8 MHz ;Duty Cycle: 1:4.00037
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.568 mho/m; $\varepsilon_r$ = 52.372; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

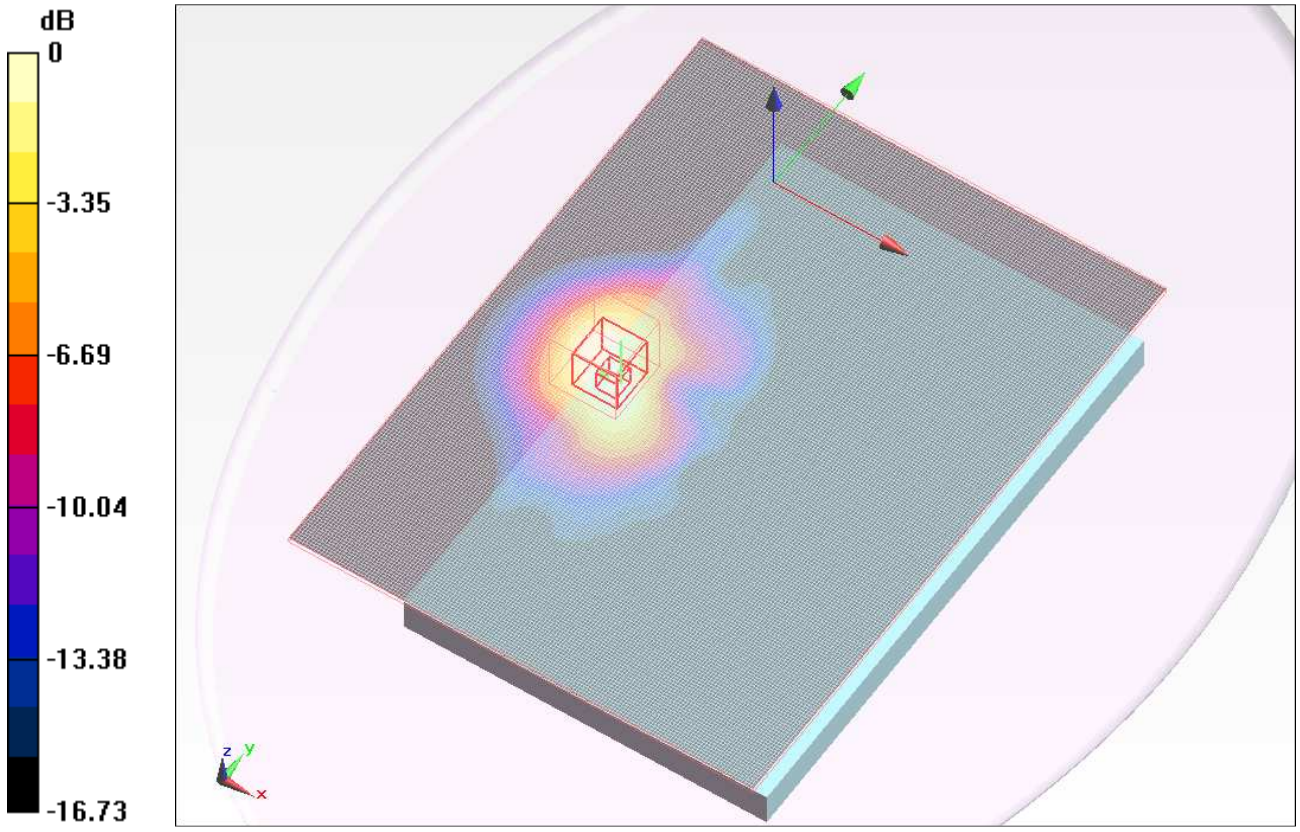
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical 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_2 slot/H-ch /Area Scan (151x201x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.825 mW/g

### GPRS_2 slot/H-ch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.200 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.370 W/kg
**SAR(1 g) = 1.5 mW/g; SAR(10 g) = 0.882 mW/g**
Maximum value of SAR (measured) = 1.813 mW/g




0 dB = 1.810mW/g

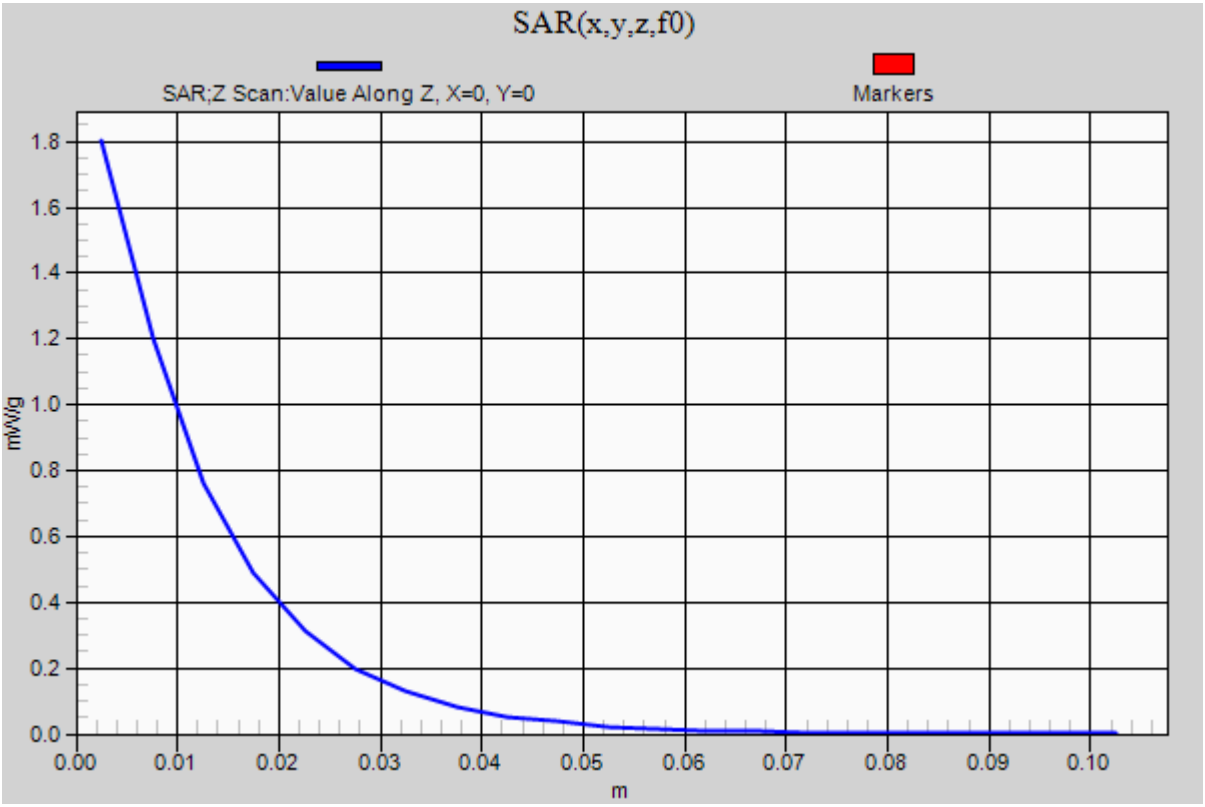
Date: 8/10/2011

Test Laboratory: UL CCS SAR Lab A

## 03_Bottom Face_M-ch_GPRS1900

Communication System: GPRS-FDD (TDMA, GMSK, 2 slots ); Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037

**GPRS_2 slots/H-ch /Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.802 mW/g



Date: 8/10/2011

Test Laboratory: UL CCS SAR Lab A

## 02_Secondary Landscape_GPRS1900

Communication System: GPRS (GMSK, 2 slots); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.533 mho/m; $\varepsilon_r$ = 52.471; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

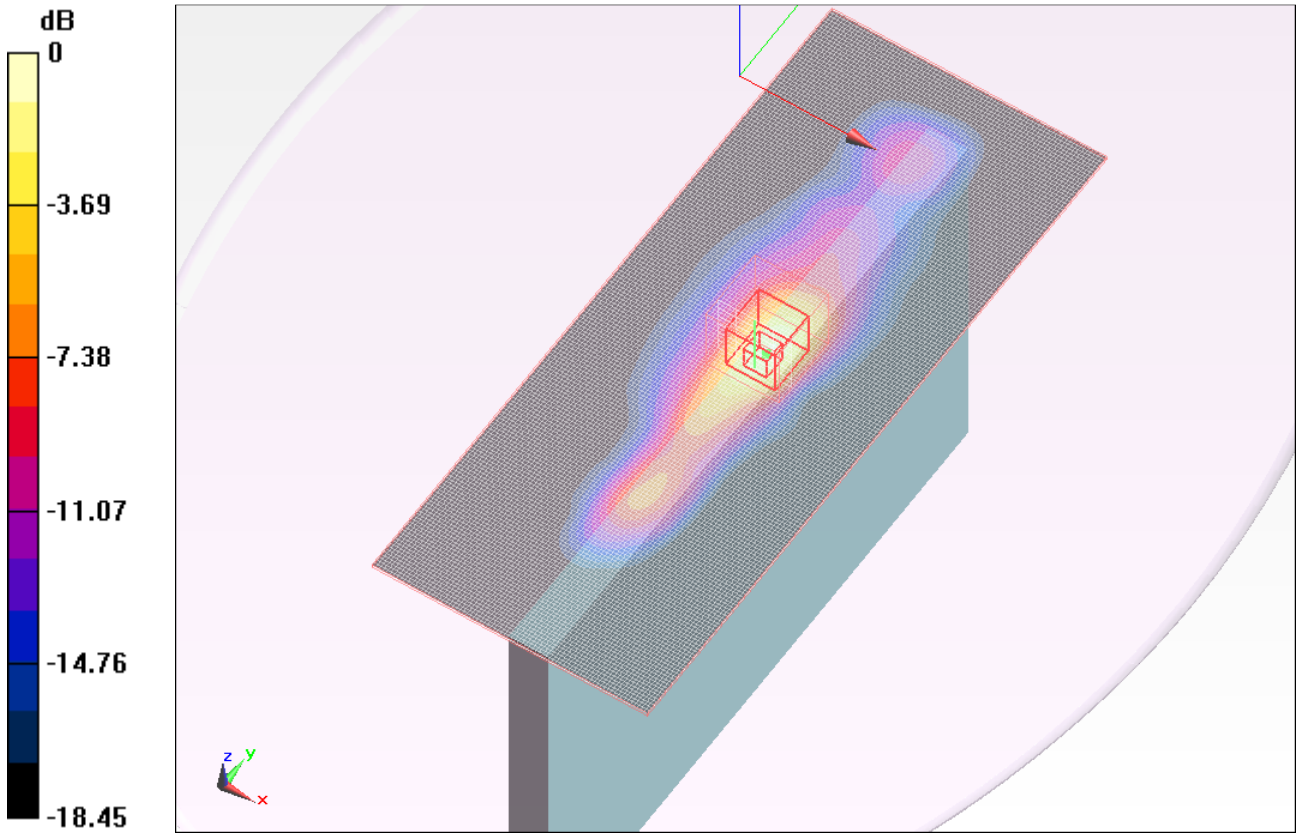
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and  with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(6.99, 6.99, 6.99); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical 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_2 slots/M-ch/Area Scan (81x201x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.495 mW/g

### GPRS_2 slots/M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.029 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.845 W/kg
**SAR(1 g) = 0.432 mW/g; SAR(10 g) = 0.212 mW/g**
Maximum value of SAR (measured) = 0.624 mW/g




0 dB = 0.620mW/g

Date: 12/13/2011

Test Laboratory: UL CCS SAR Lab C

## 111213_@45_2 slots_GPRS1900

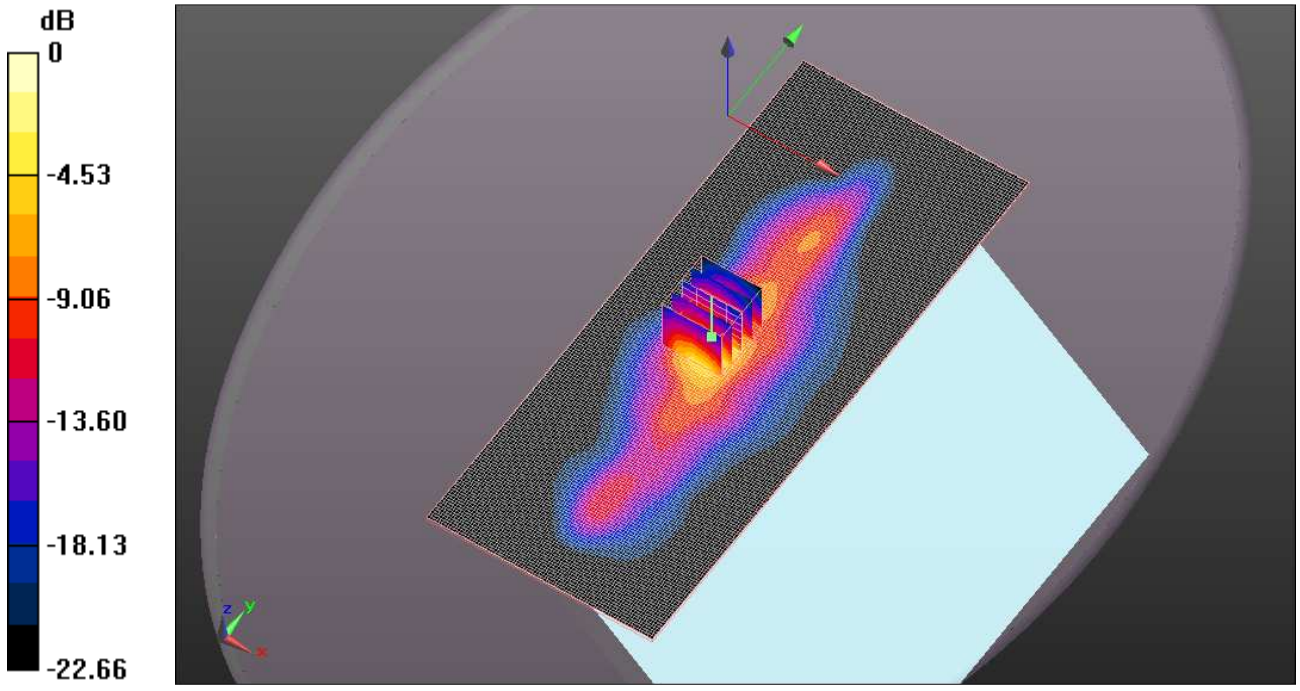
Communication System: GPRS-FDD ( GMSK, 2 slot); Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.552 mho/m; $\varepsilon_r$ = 51.781; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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 - SN3772; ConvF(6.76, 6.76, 6.76); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

**45 Degrees /H-ch 2 slots 2/Area Scan (81x201x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.073 mW/g

**45 Degrees /H-ch 2 slots 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.646 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.752 W/kg
**SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.369 mW/g**
Maximum value of SAR (measured) = 1.310 mW/g




0 dB = 1.310mW/g

Date: 12/13/2011

Test Laboratory: UL CCS SAR Lab C

## 111213_@45_2 slots_GPRS1900

Communication System: GPRS-FDD ( GMSK, 2 slot); Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037

**45 Degrees /H-ch 2 slots 2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.815 mW/g