

Test Laboratory: UL CCS SAR Lab B

GPRS 850_Body_Primary Portrait

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.005$ mho/m; $\epsilon_r = 54.677$; $\rho = 1000$ 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(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Mid-Ch/Area Scan (81x141x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.659 mW/g

Mid-Ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

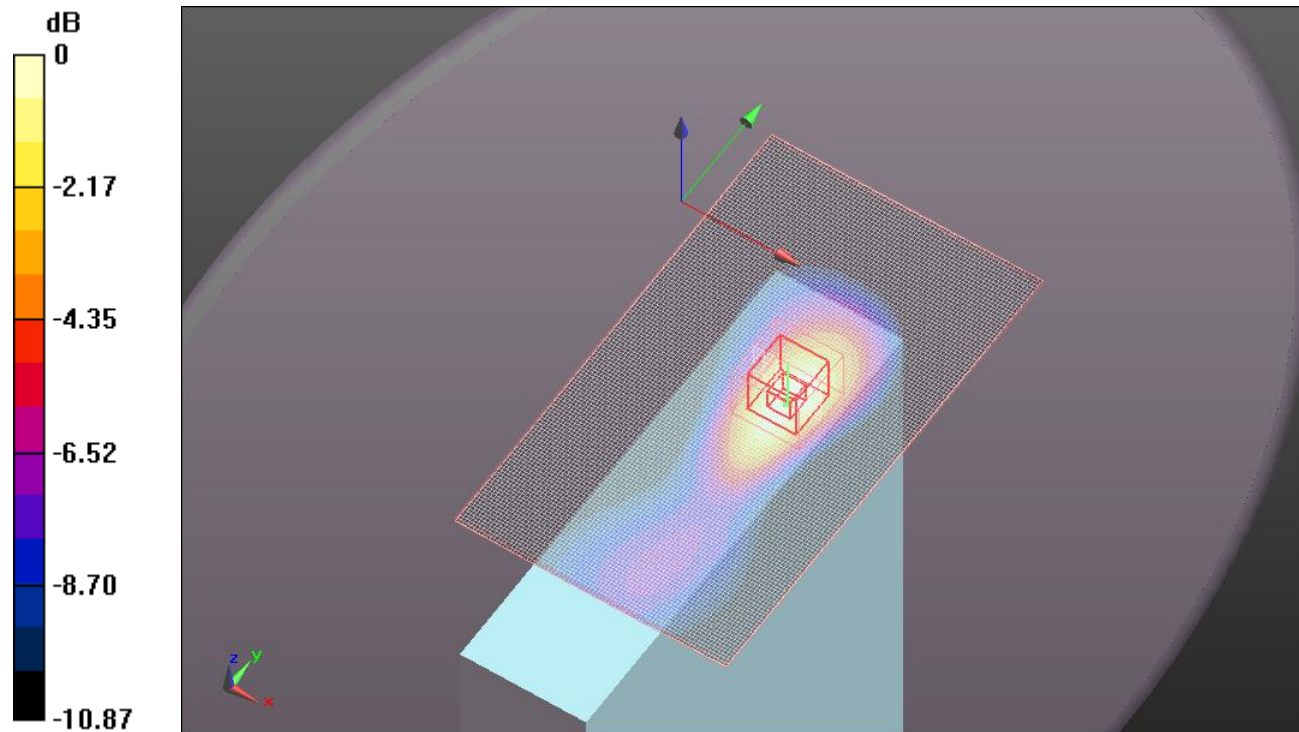
Reference Value = 24.121 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.802 W/kg

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.310 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.639 mW/g



0 dB = 0.640mW/g

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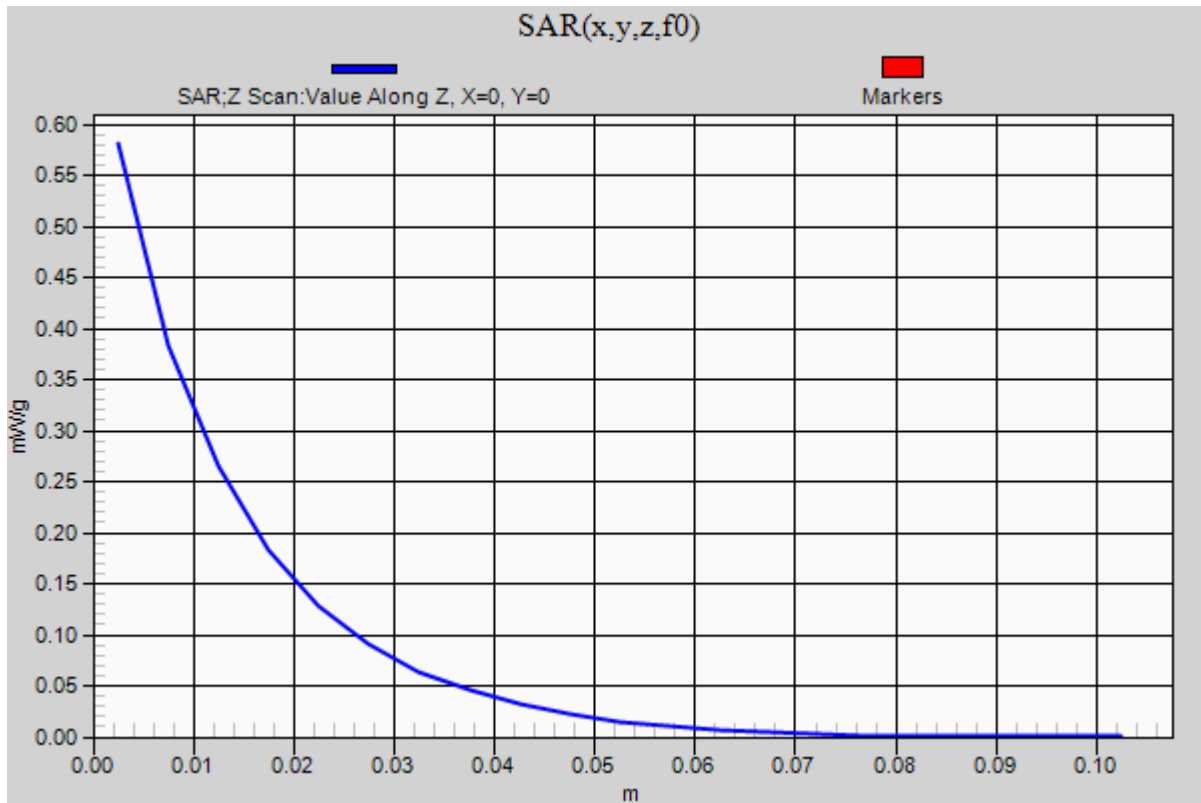
GPRS 850_Body_Primary Portrait

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037

Mid-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.581 mW/g



Test Laboratory: UL CCS SAR Lab B

GPRS 1900_Body_Primary Portrait

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.489$ mho/m; $\epsilon_r = 52.603$; $\rho = 1000$ 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 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Mid-Ch/Area Scan (81x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.655 mW/g

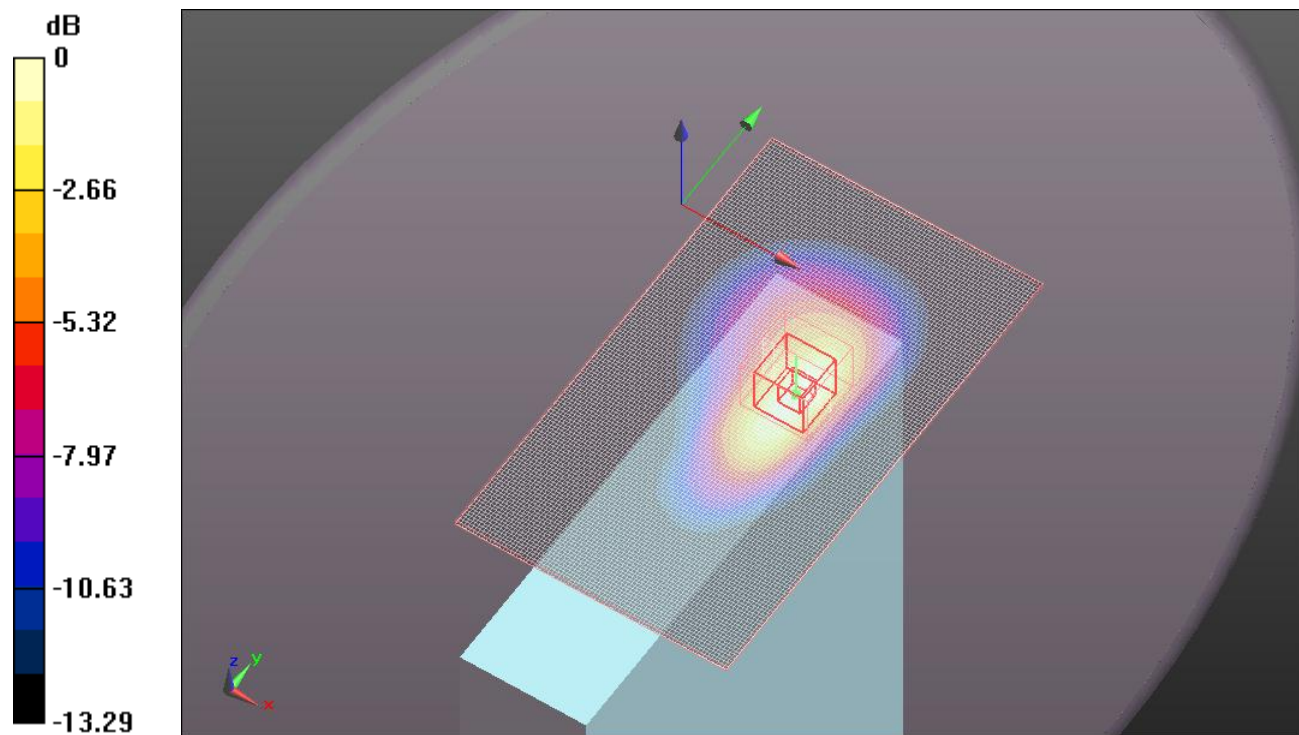
Mid-Ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 20.752 V/m; Power Drift = 0.0096 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.288 mW/g

Maximum value of SAR (measured) = 0.659 mW/g



0 dB = 0.660mW/g

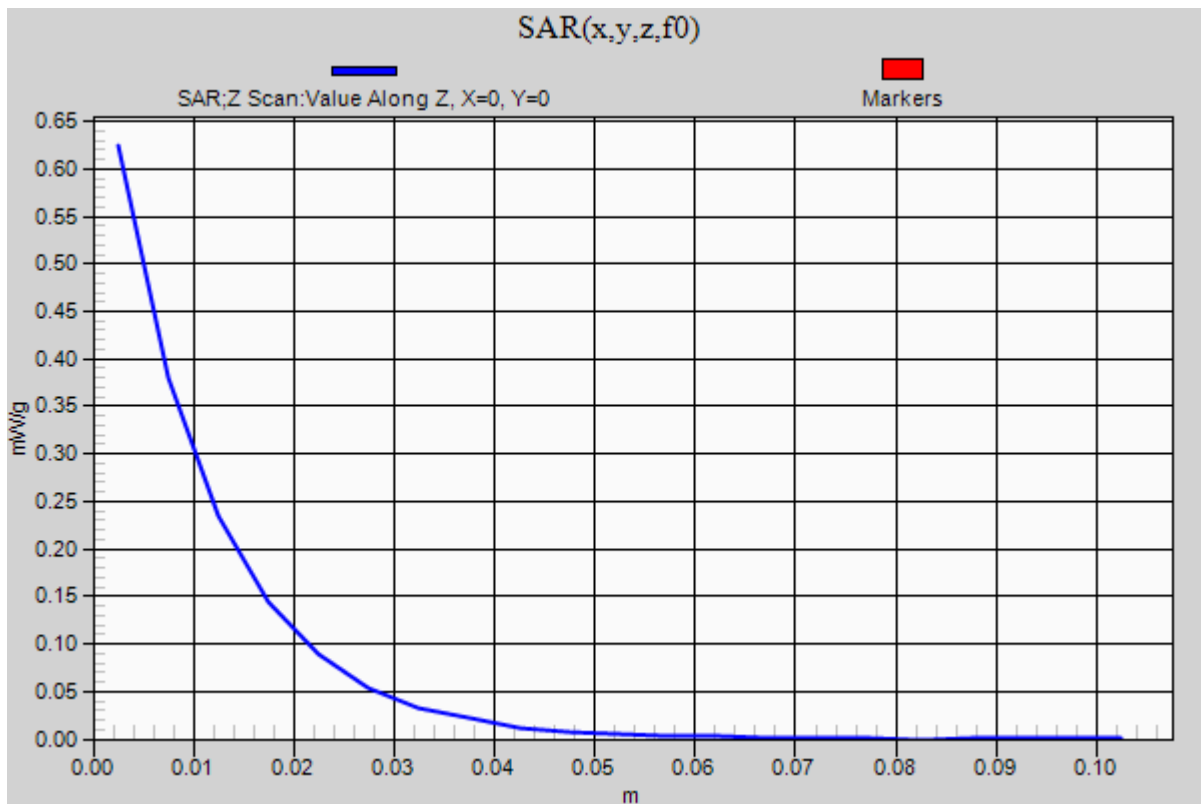
Test Laboratory: UL CCS SAR Lab B

GPRS 1900_Body_Primary Portrait

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

Mid-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.624 mW/g



Test Laboratory: UL CCS SAR Lab B

GPRS 850_Body_Secondary Landscape

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.005$ mho/m; $\epsilon_r = 54.677$; $\rho = 1000$ 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(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Mid-Ch/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.164 mW/g

Mid-Ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

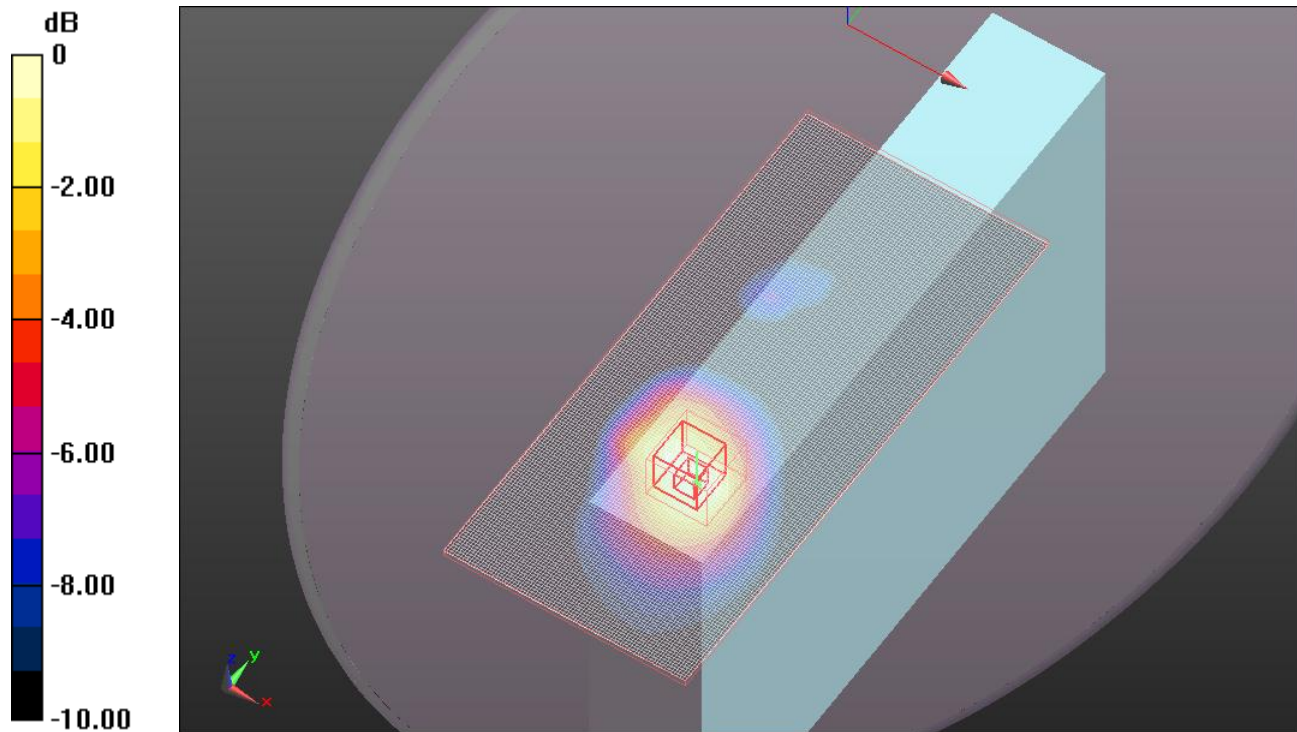
Reference Value = 12.584 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.090 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.166 mW/g



0 dB = 0.170mW/g

Test Laboratory: UL CCS SAR Lab B

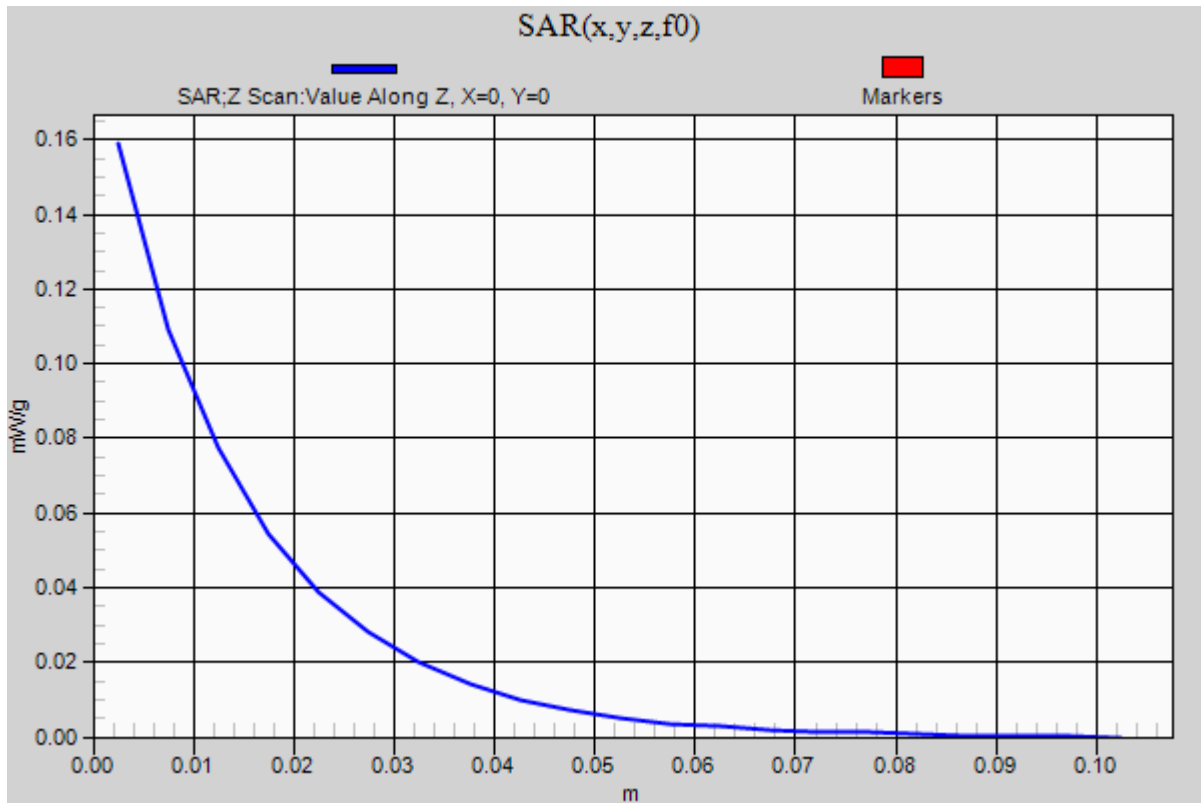
GPRS 850_Body_Secondary Landscape

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037

Mid-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.159 mW/g



Test Laboratory: UL CCS SAR Lab B

GPRS 1900_Body_Secondary Landscape

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037
 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.489 \text{ mho/m}$; $\epsilon_r = 52.603$; $\rho = 1000 \text{ kg/m}^3$
 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 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Mid-Ch/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.230 mW/g

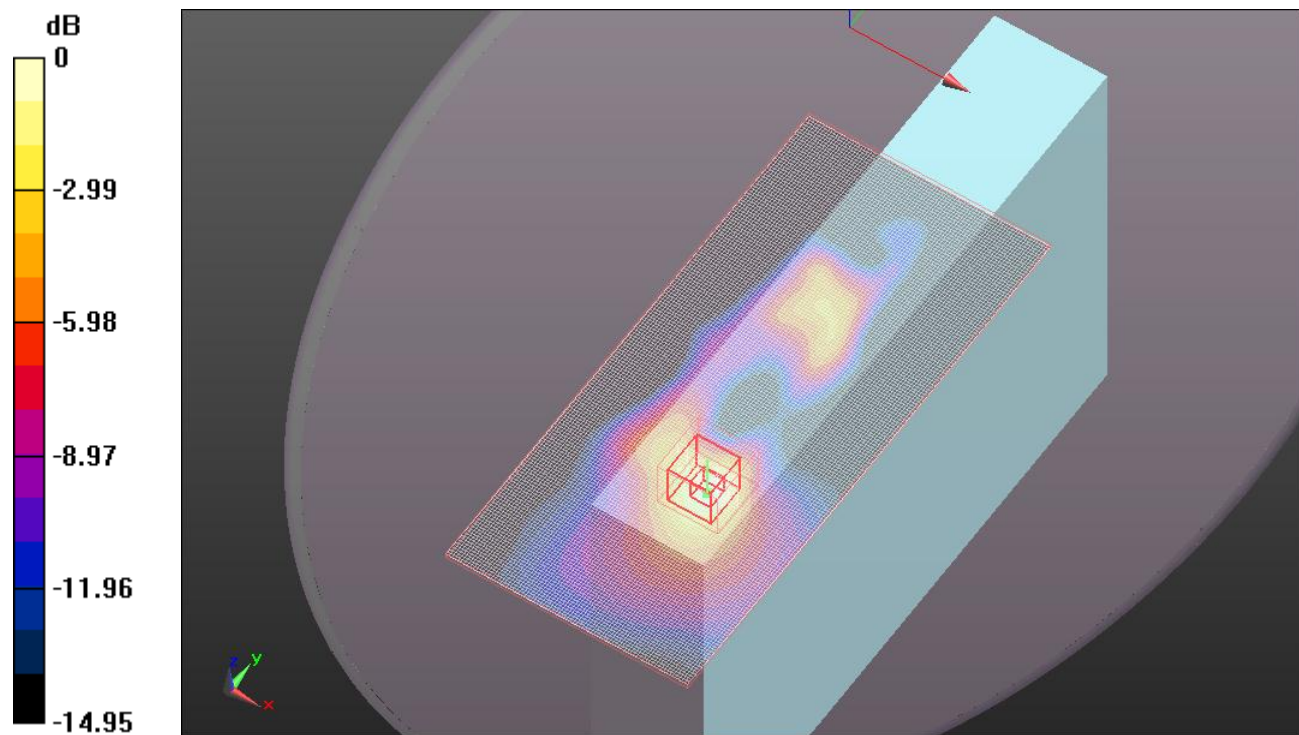
Mid-Ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 12.170 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.230 mW/g



0 dB = 0.230mW/g

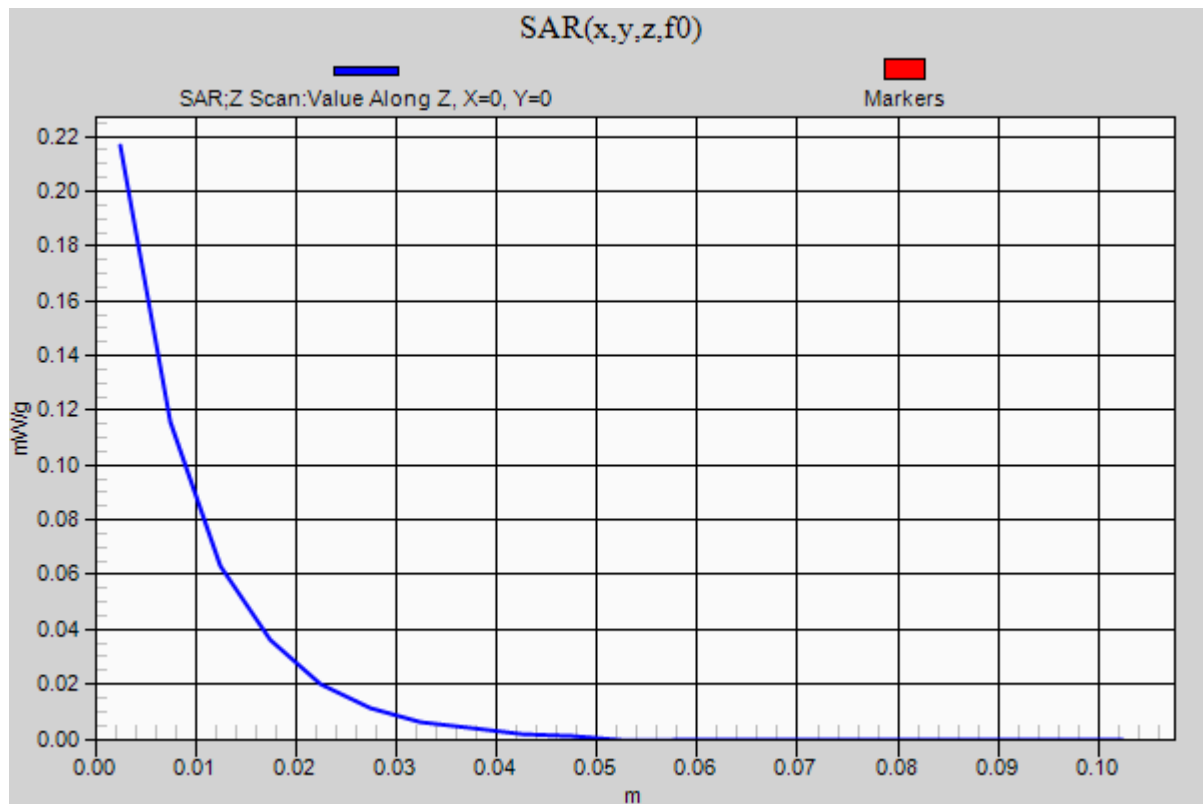
Test Laboratory: UL CCS SAR Lab B

GPRS 1900_Body_Secondary Landscape

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

Mid-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.217 mW/g



Test Laboratory: UL CCS SAR Lab B

GPRS 850_Body_Bottom

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.005$ mho/m; $\epsilon_r = 54.677$; $\rho = 1000$ 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(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Mid-Ch/Area Scan (91x121x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.107 mW/g

Mid-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

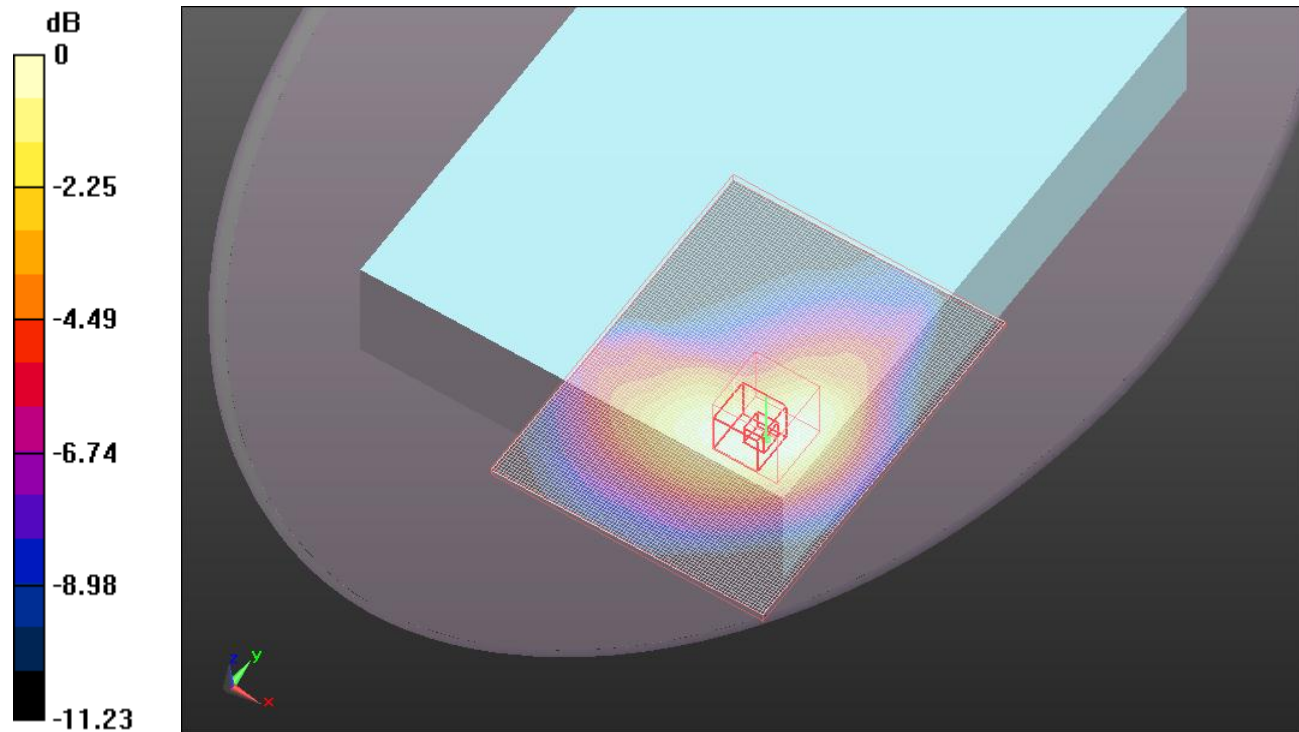
Reference Value = 9.269 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.056 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.098 mW/g



0 dB = 0.100mW/g

Test Laboratory: UL CCS SAR Lab B

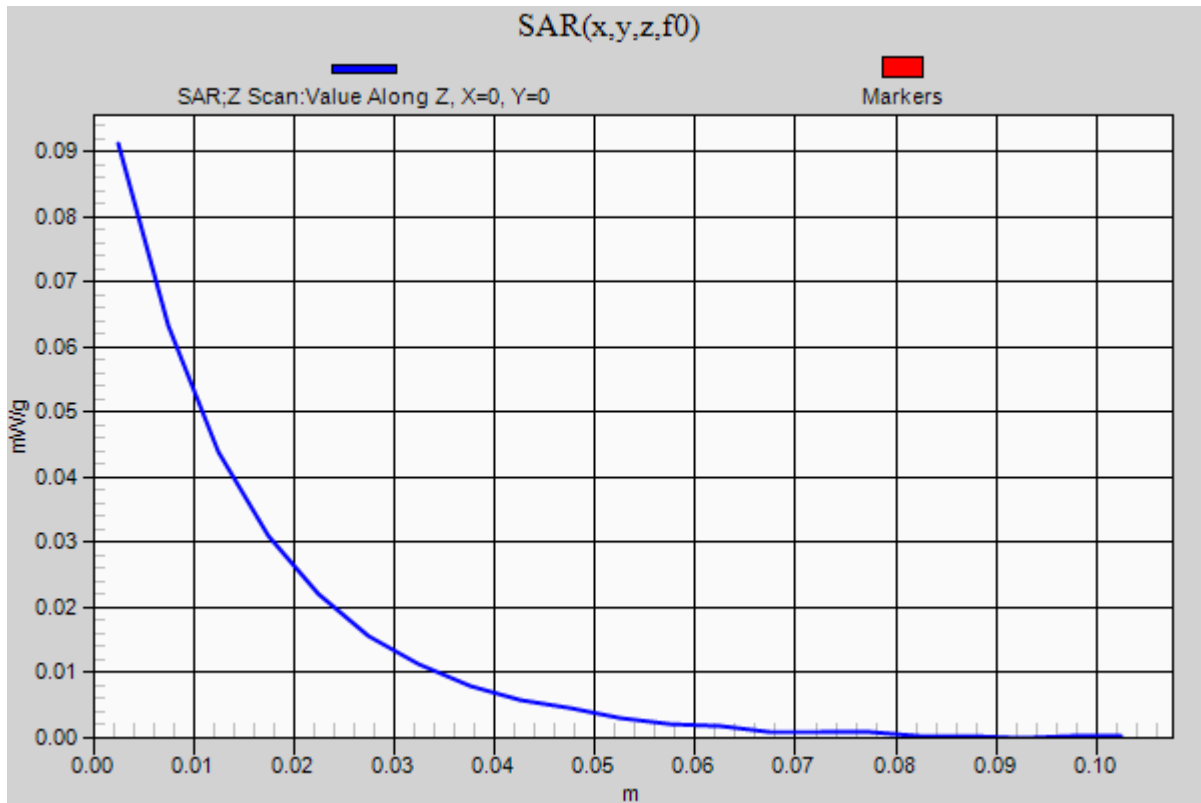
GPRS 850_Body_Bottom

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037

Mid-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.091 mW/g



Test Laboratory: UL CCS SAR Lab B

GPRS 1900_Body_Bottom

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037
 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.489 \text{ mho/m}$; $\epsilon_r = 52.603$; $\rho = 1000 \text{ kg/m}^3$
 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 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Mid-Ch/Area Scan (91x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.075 mW/g

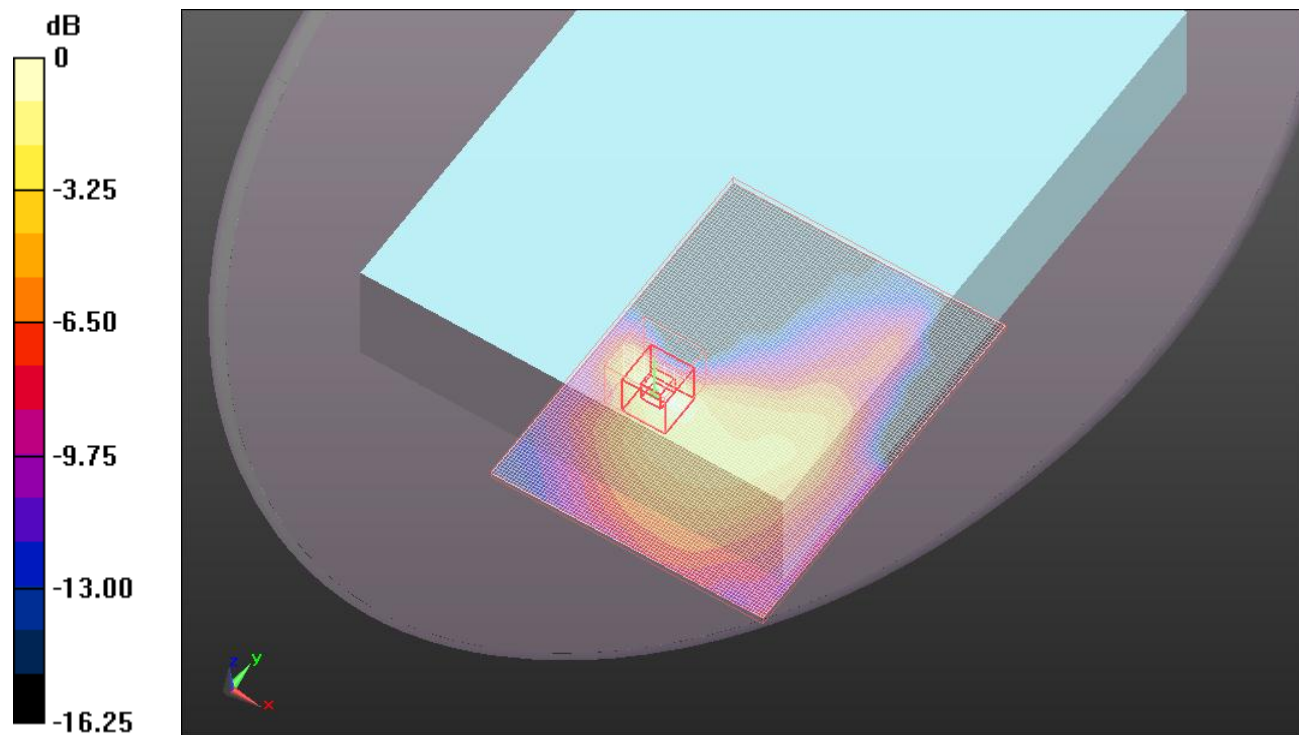
Mid-Ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.176 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.117 W/kg

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.077 mW/g



0 dB = 0.080mW/g

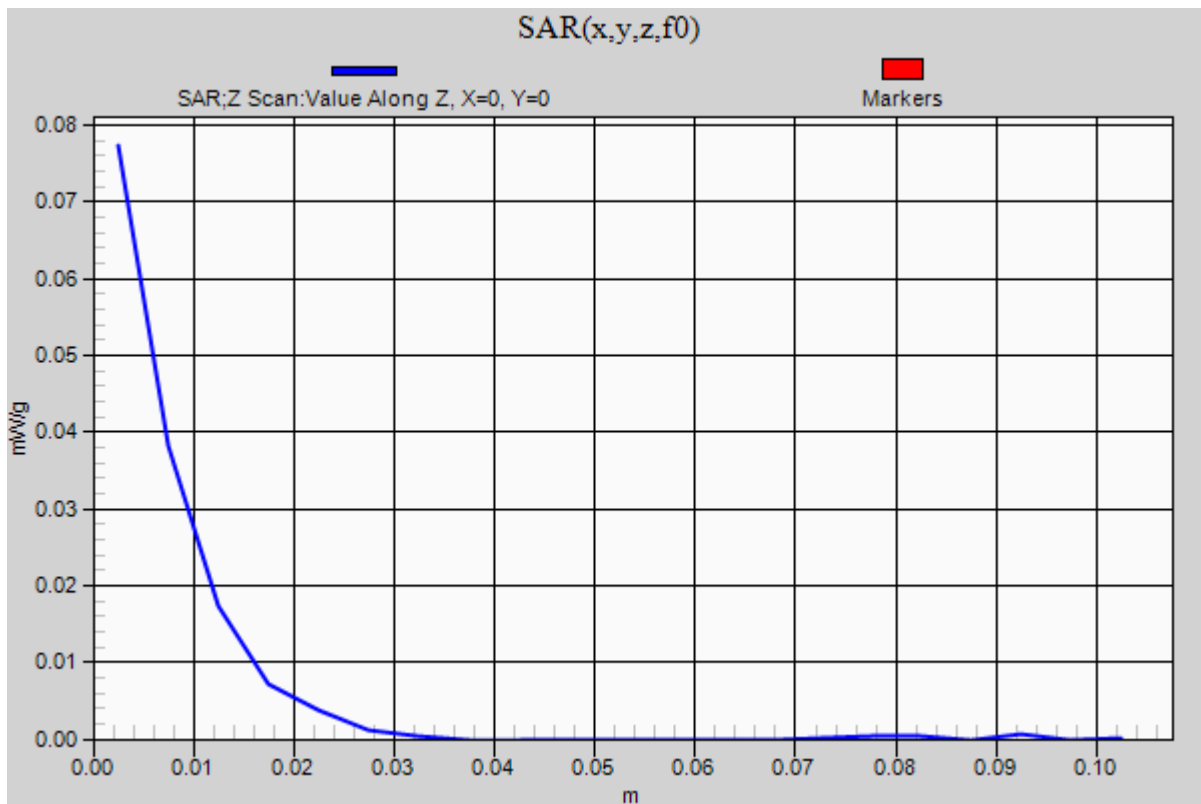
Test Laboratory: UL CCS SAR Lab B

GPRS 1900_Body_Bottom

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

Mid-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.077 mW/g



GPRS 850_Body_Lapheld

Frequency: 836.6 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.986$ mho/m; $\epsilon_r = 55.936$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1099

Mid-Ch/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.014 mW/g

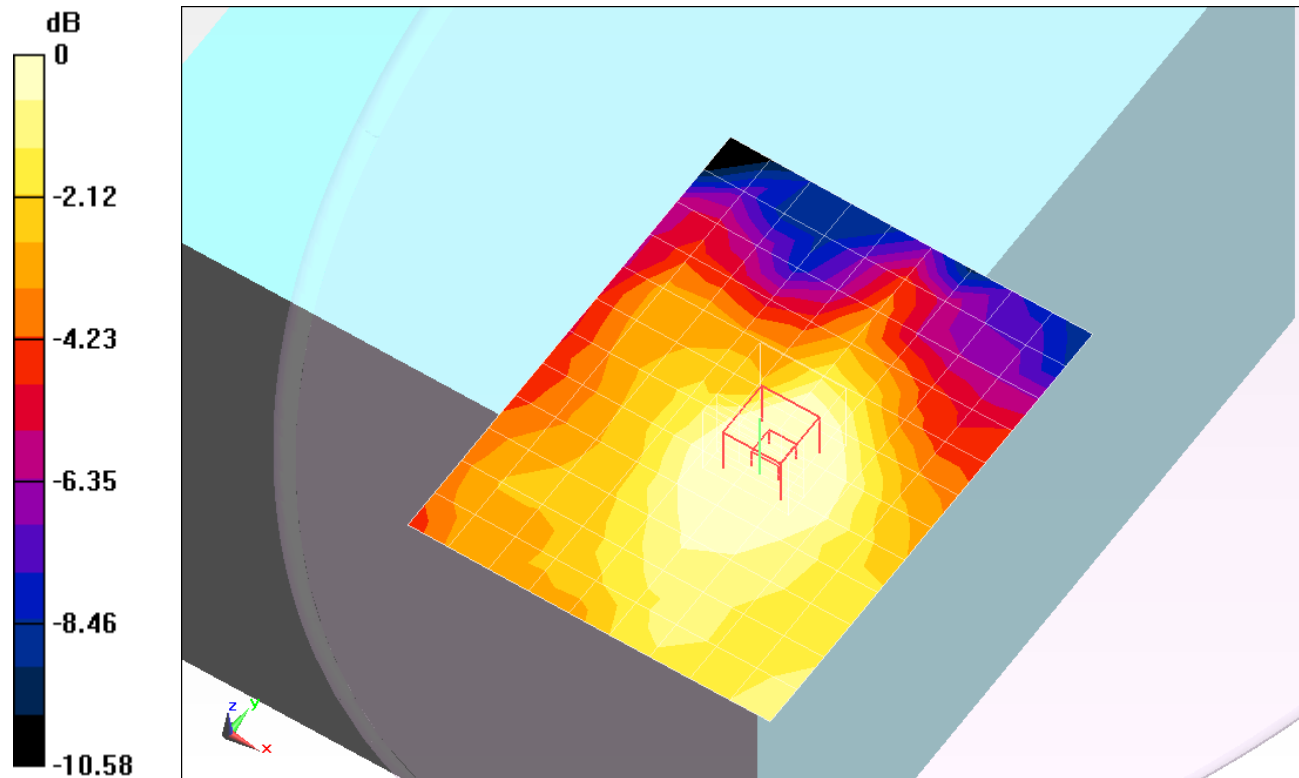
Mid-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.757 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0190

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00828 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)



0 dB = 0.010mW/g = -40.00 dB mW/g

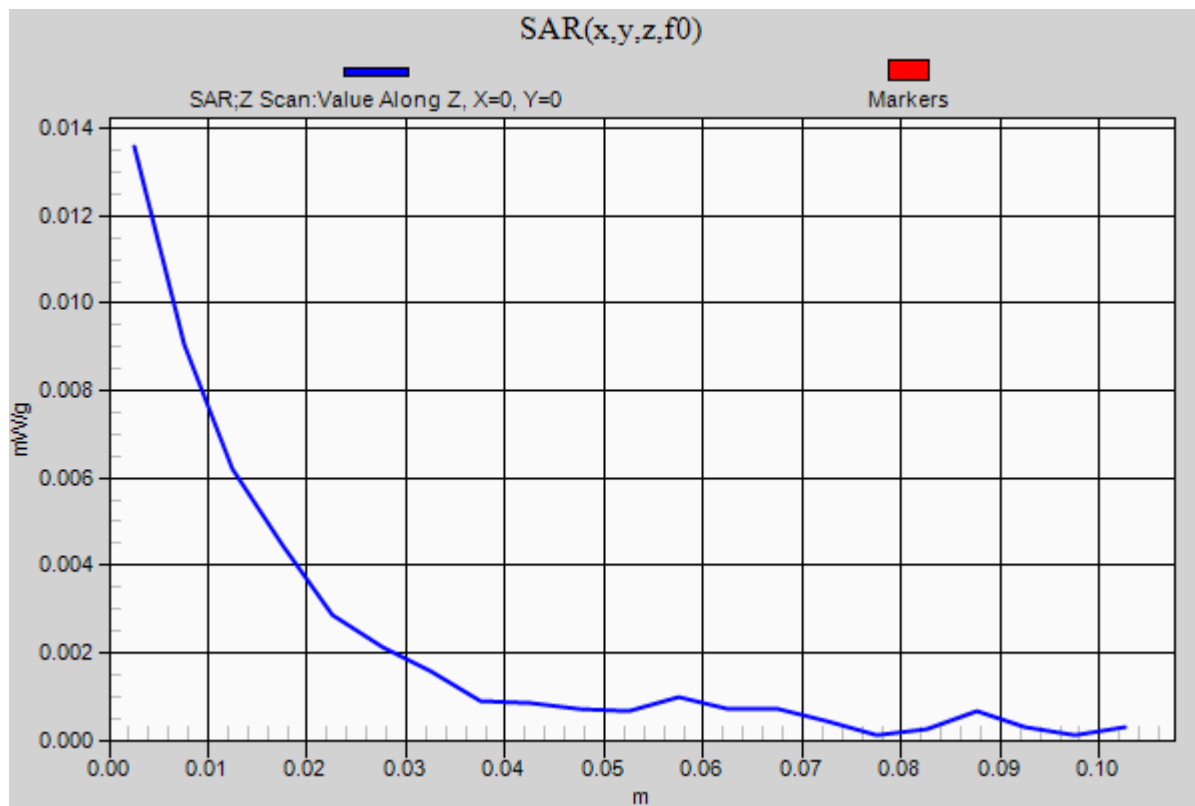
GPRS 850_Body_Lapheld

Frequency: 836.6 MHz; Duty Cycle: 1:4.00037

Mid-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.014 mW/g



GPRS 1900_Body_Lapheld

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; $\sigma = 1.502$ mho/m; $\epsilon_r = 52.272$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119

Mid-Ch/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.00633 mW/g

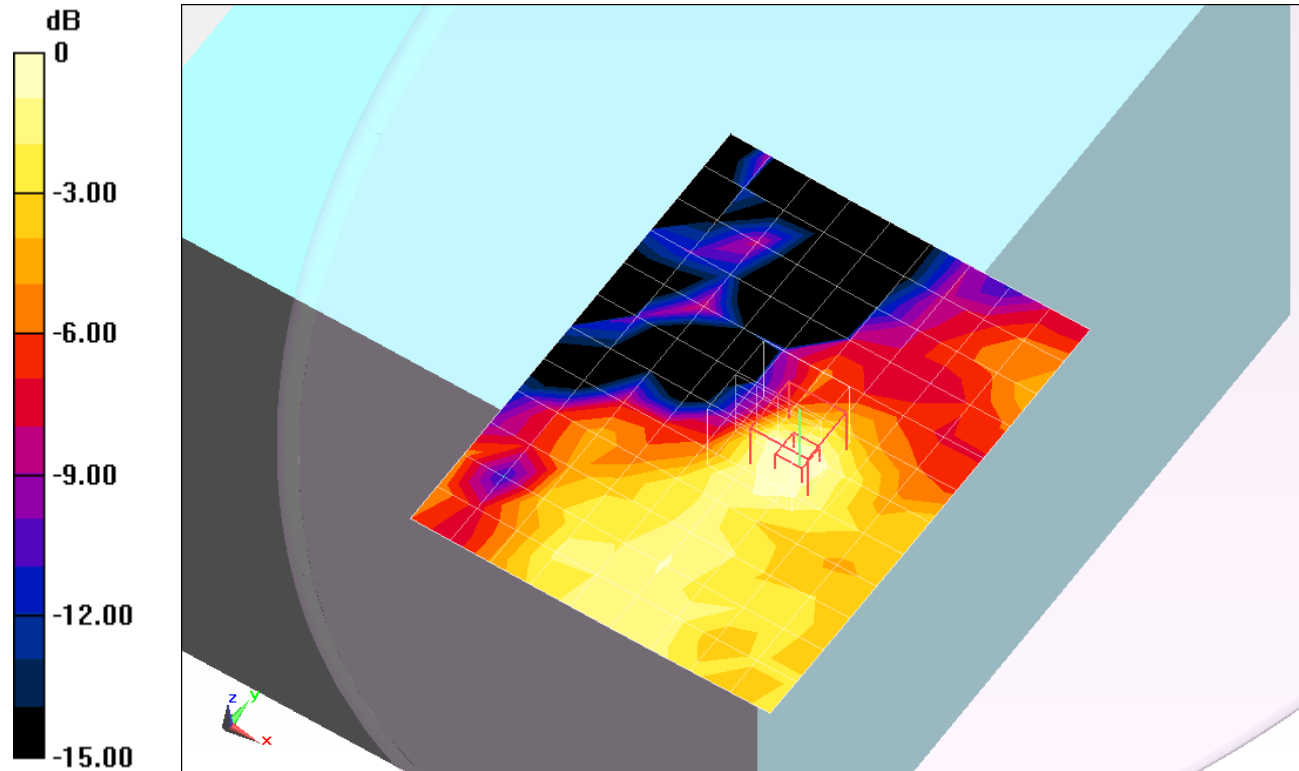
Mid-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.242 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.007920

SAR(1 g) = 0.00502 mW/g; SAR(10 g) = 0.00308 mW/g

Maximum value of SAR (measured) = 0.0063 mW/g



0 dB = 0.0063mW/g = -44.01 dB mW/g