

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; $\sigma = 0.992$ mho/m; $\epsilon_r = 53.713$; $\rho = 1000$ 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) = 0.543 mW/g

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

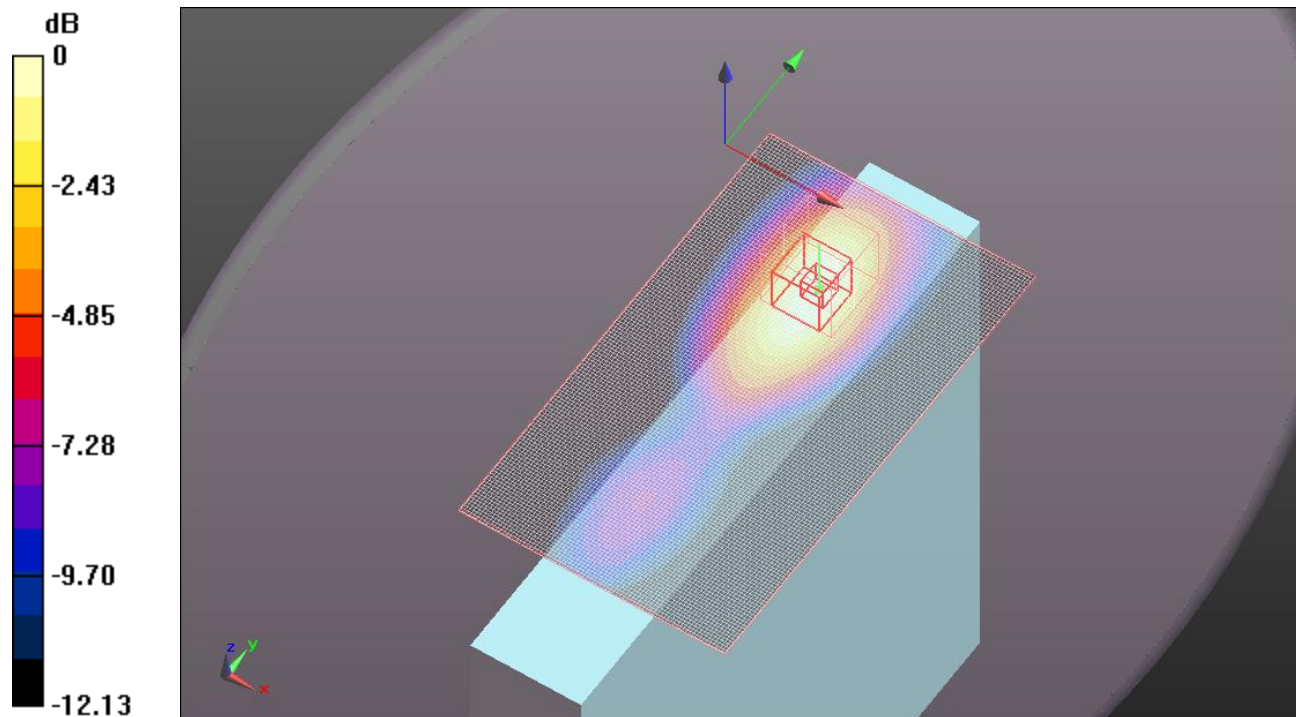
Reference Value = 22.639 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.703 W/kg

SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.280 mW/g

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

Maximum value of SAR (measured) = 0.549 mW/g



0 dB = 0.550mW/g

Test Laboratory: UL CCS SAR Lab B

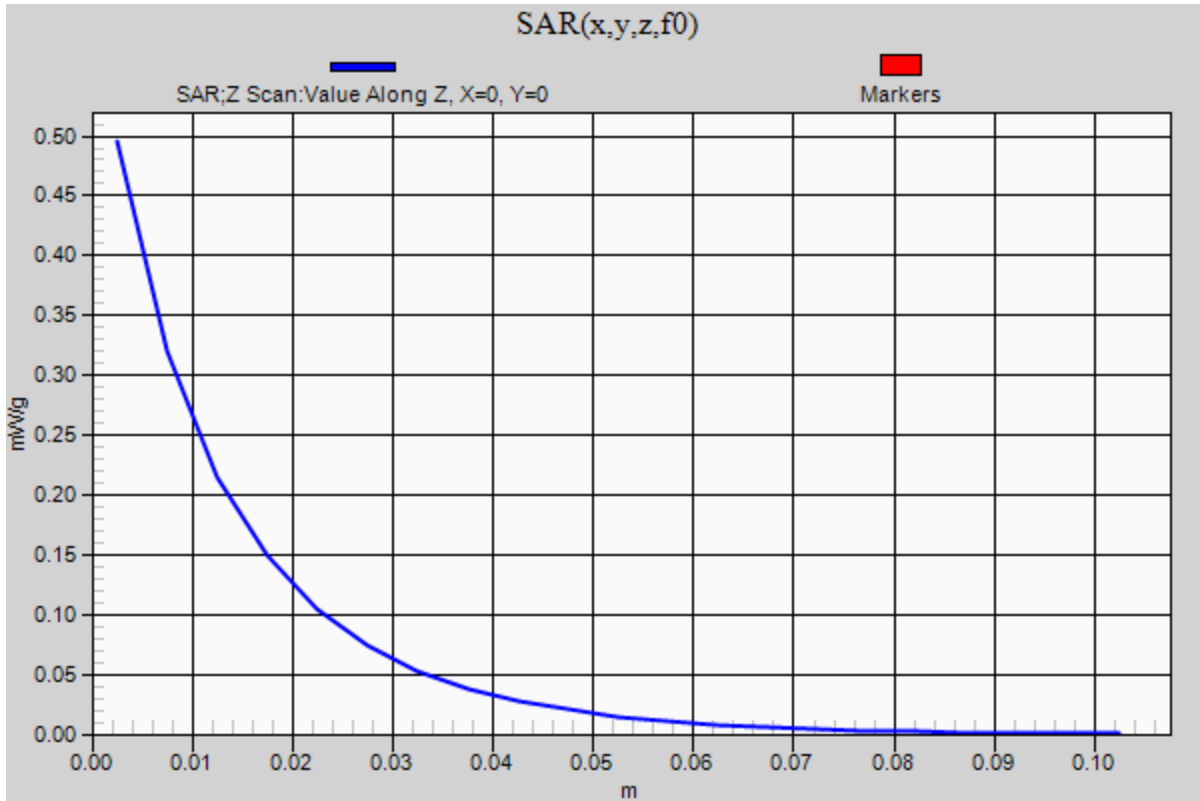
GPRS 850_Body_Primary Portrait

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

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) = 0.495 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: $f = 1880$ MHz; $\sigma = 1.434$ mho/m; $\epsilon_r = 53.281$; $\rho = 1000$ 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 (81x201x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.061 mW/g

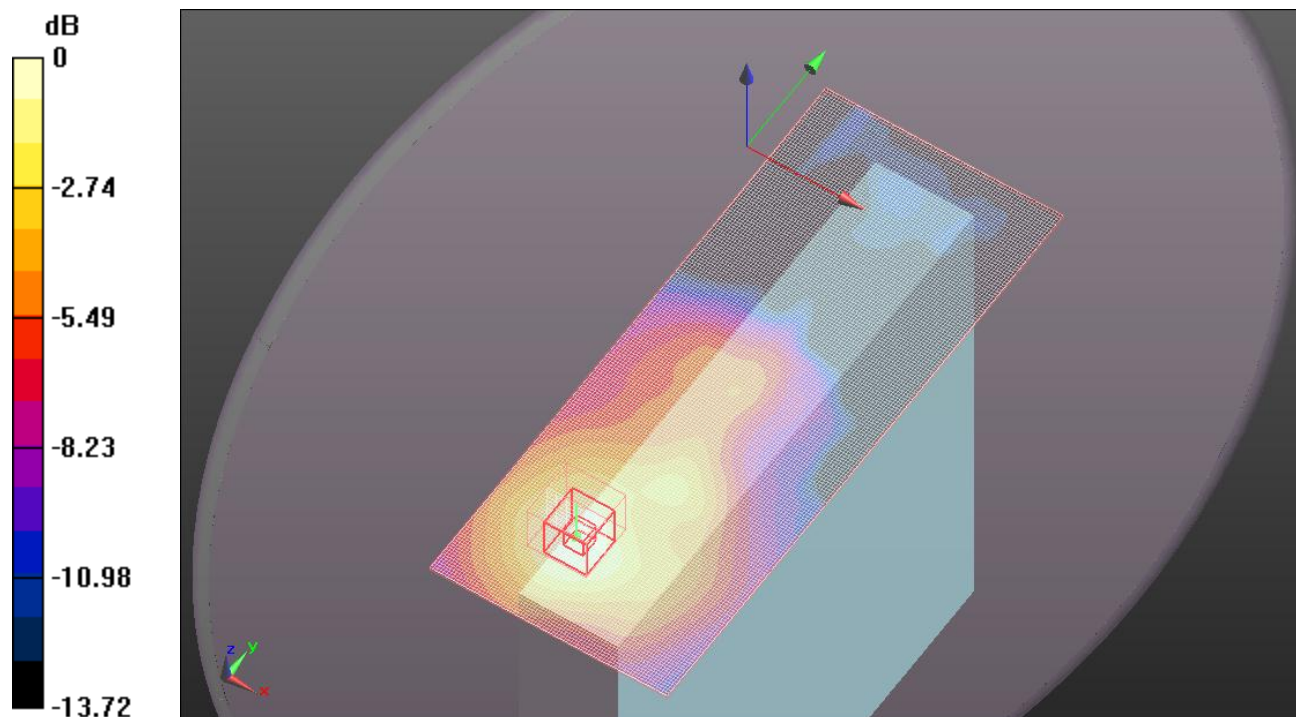
Mid-Ch/Zoom Scan(1st) (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.466 V/m; Power Drift = 0.0023 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.060 mW/g



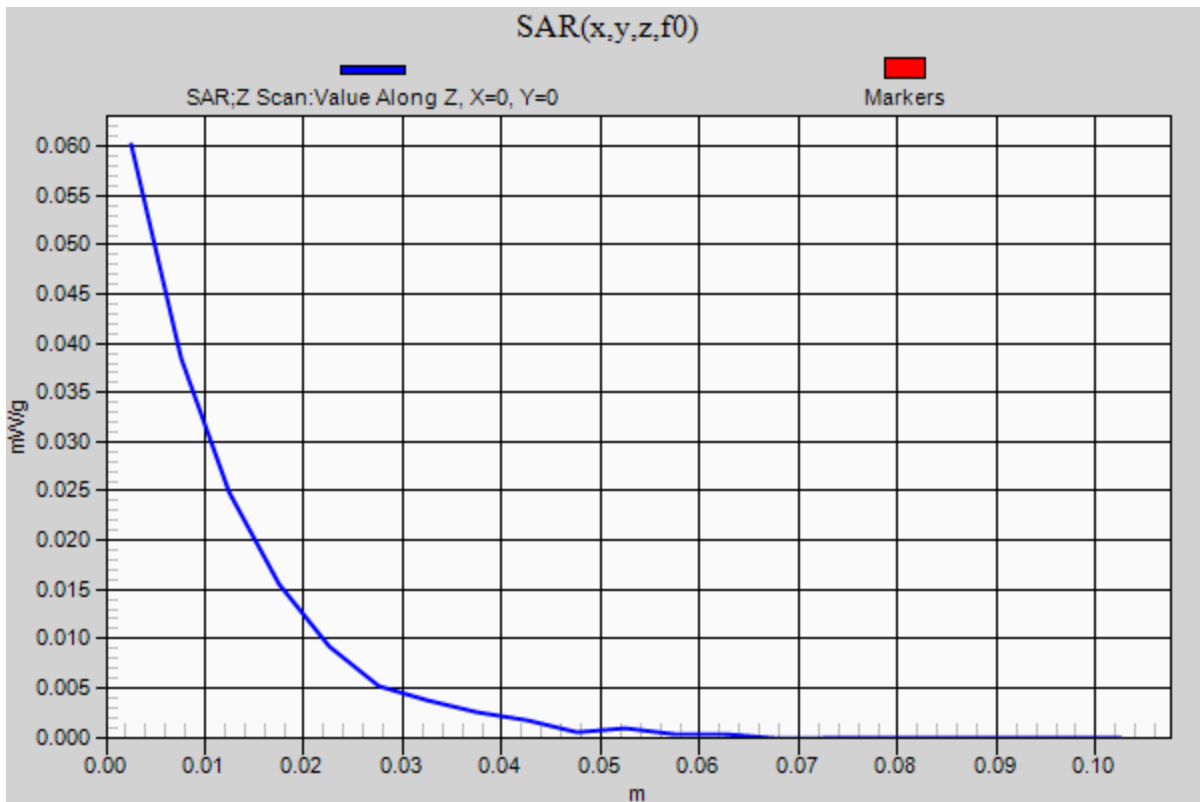
0 dB = 0.060mW/g

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) = 0.060 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; $\sigma = 0.992$ mho/m; $\epsilon_r = 53.713$; $\rho = 1000$ 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 (81x201x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.108 mW/g

Mid-Ch/Zoom Scan(1st) (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

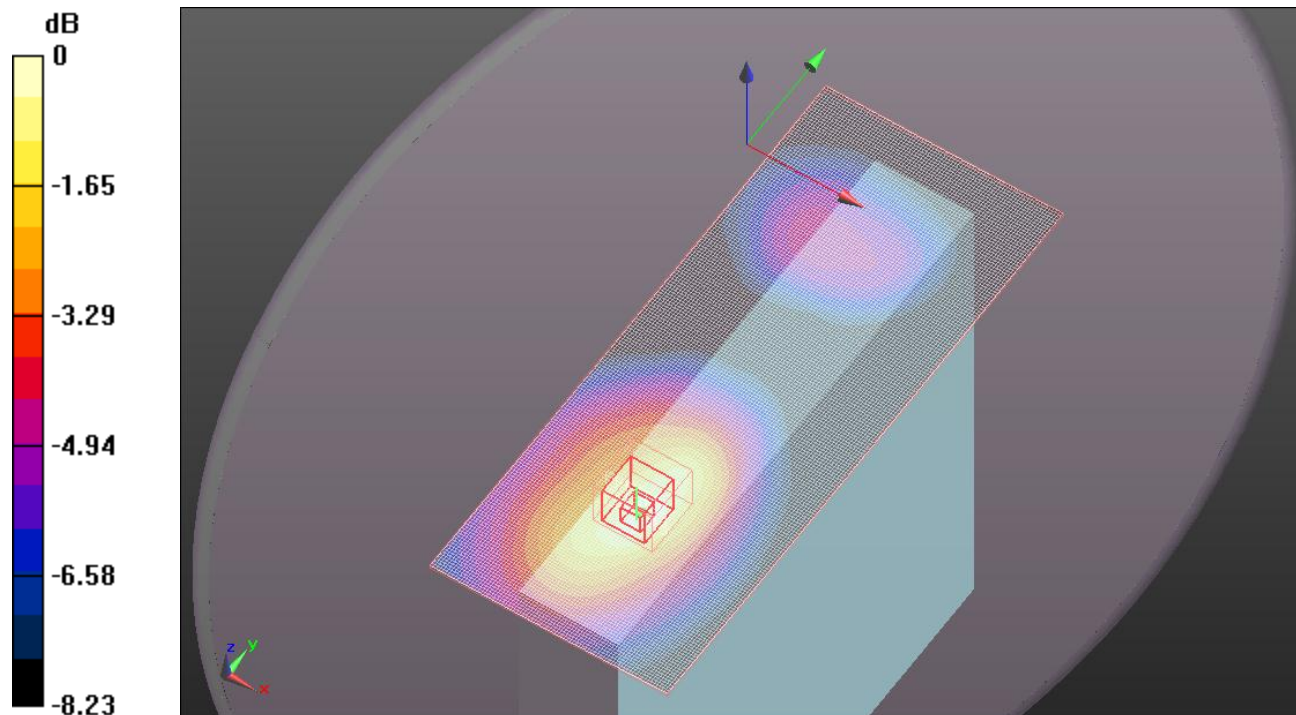
Reference Value = 10.469 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.061 mW/g

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

Maximum value of SAR (measured) = 0.111 mW/g



0 dB = 0.110mW/g

Test Laboratory: UL CCS SAR Lab B

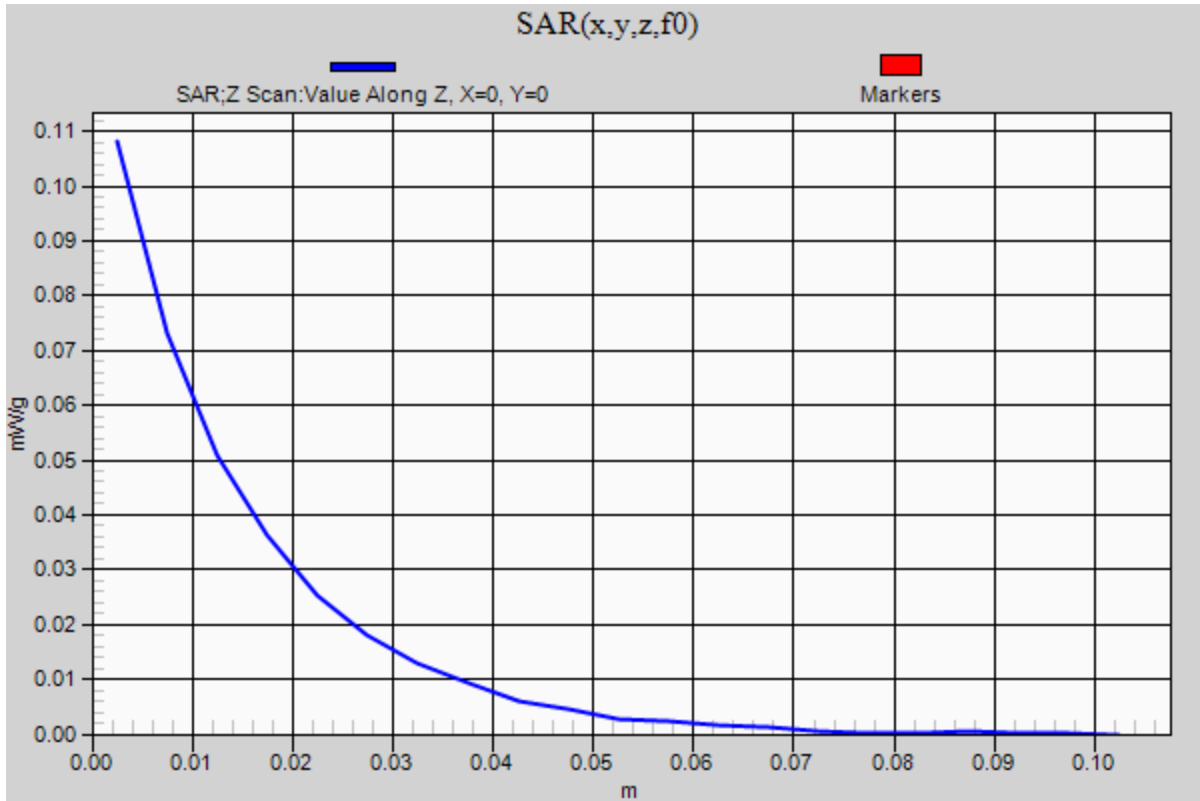
GPRS 850_Body_Secondary Landscape

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) = 0.108 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; $\sigma = 1.434$ mho/m; $\epsilon_r = 53.281$; $\rho = 1000$ 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) = 0.047 mW/g

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

Reference Value = 5.324 V/m; Power Drift = -0.05 dB, Peak SAR (extrapolated) = 0.054 W/kg

SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.021 mW/g

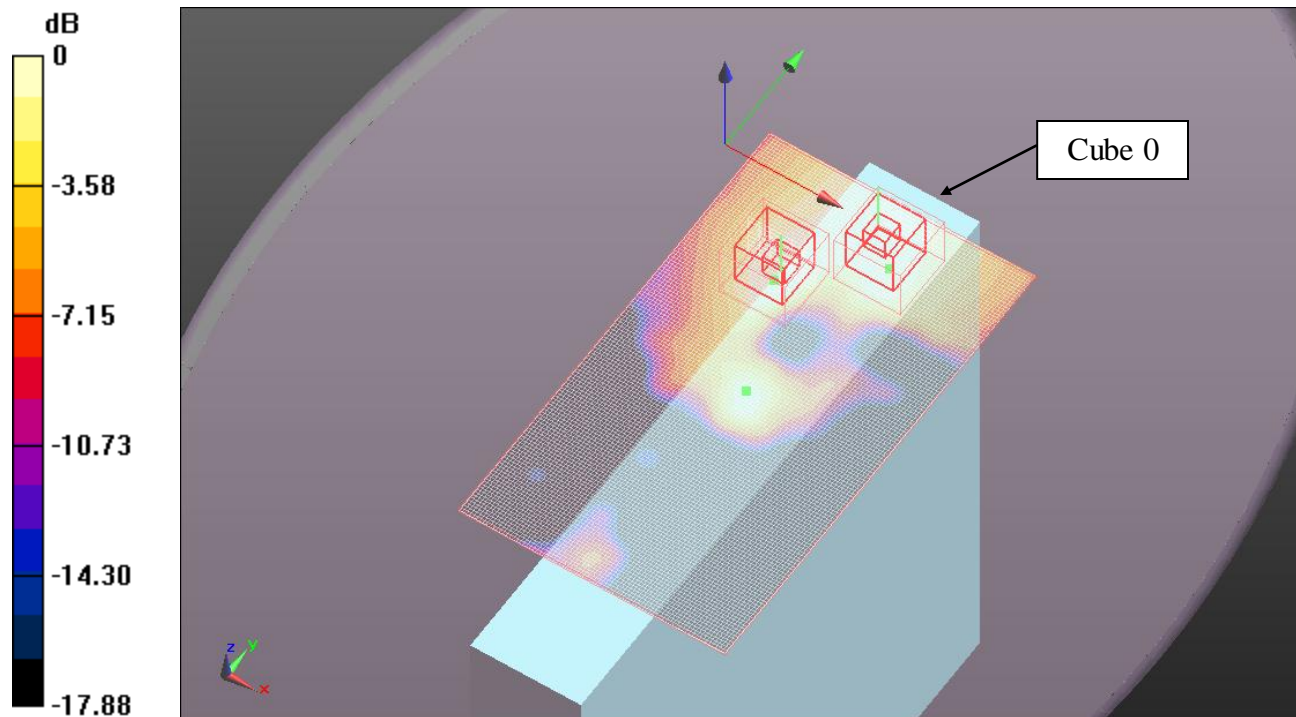
Maximum value of SAR (measured) = 0.044 mW/g

Mid-Ch/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.324 V/m; Power Drift = -0.05 dB, Peak SAR (extrapolated) = 0.048 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.039 mW/g



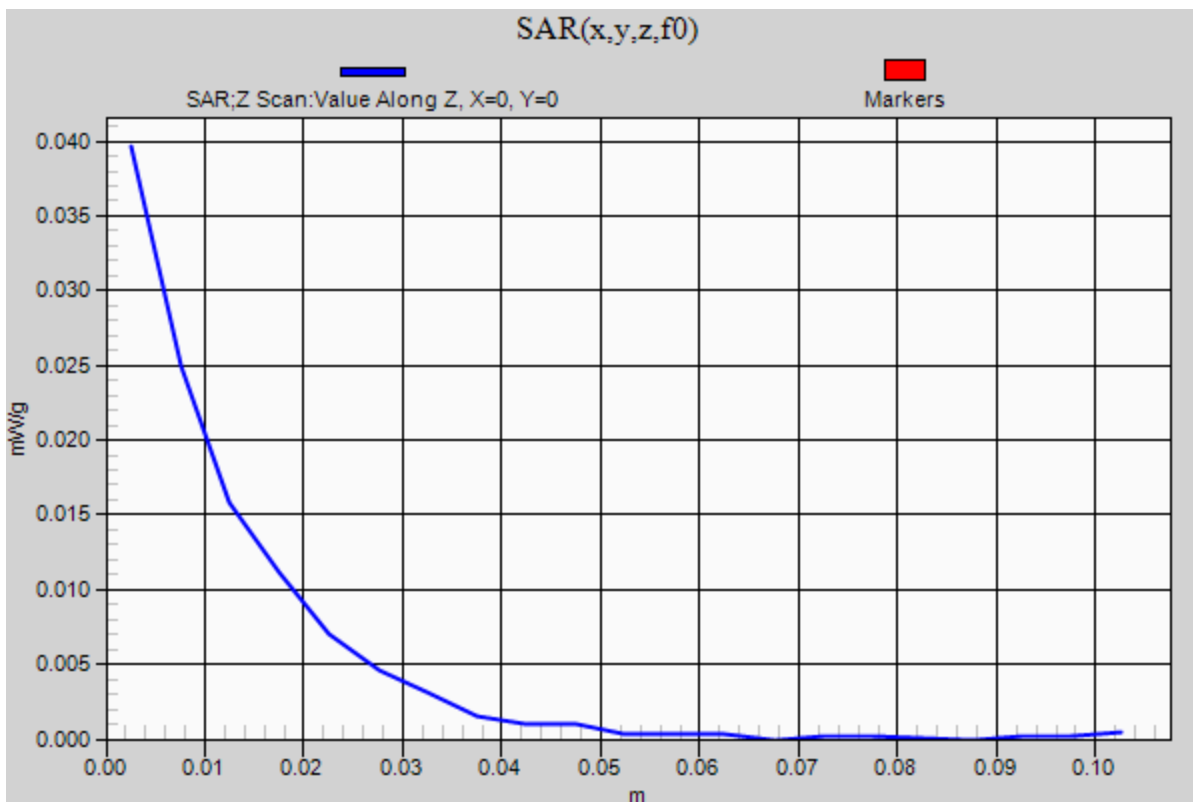
0 dB = 0.040mW/g

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) = 0.040 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; $\sigma = 0.992$ mho/m; $\epsilon_r = 53.713$; $\rho = 1000$ 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 (241x241x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.084 mW/g

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

Reference Value = 9.104 V/m; Power Drift = -0.15 dB, Peak SAR (extrapolated) = 0.094 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.050 mW/g

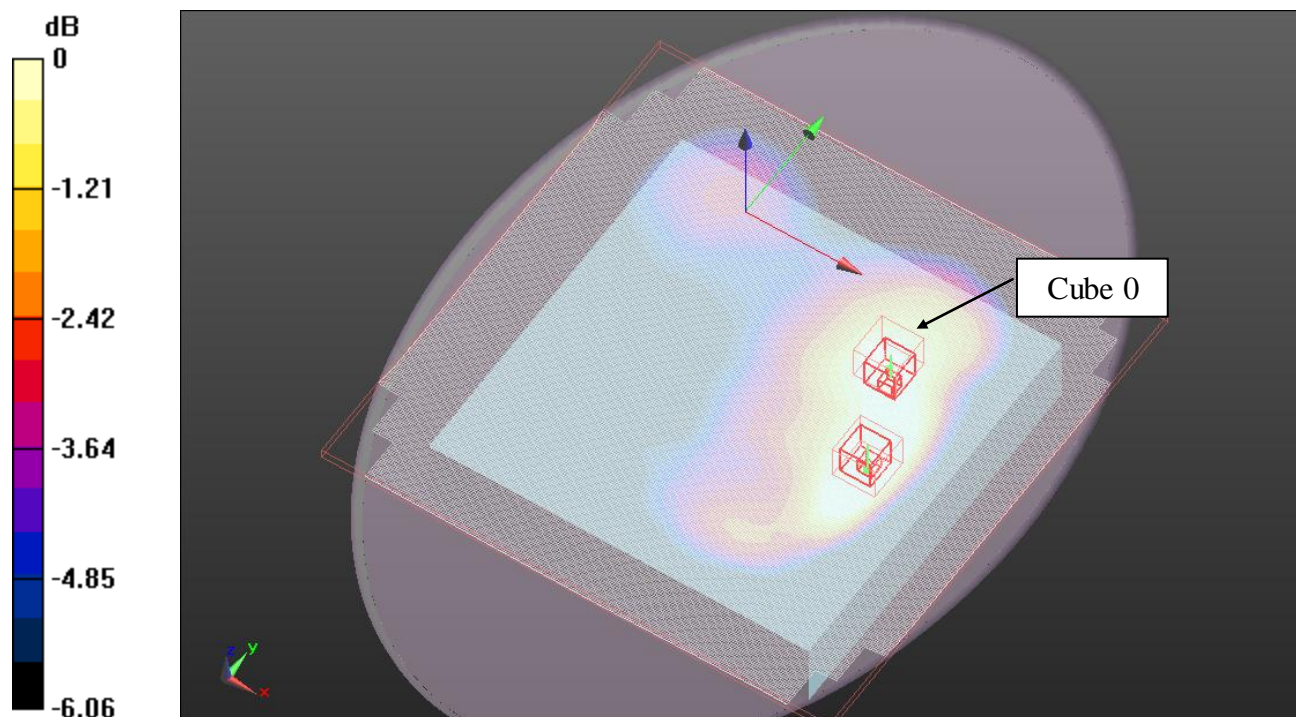
[Info: Interpolated medium parameters used for SAR evaluation.](#) Maximum value of SAR (measured) = 0.080 mW/g

Mid-Ch/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.104 V/m; Power Drift = -0.15 dB, Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.040 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#) Maximum value of SAR (measured) = 0.061 mW/g



0 dB = 0.060mW/g

Test Laboratory: UL CCS SAR Lab B

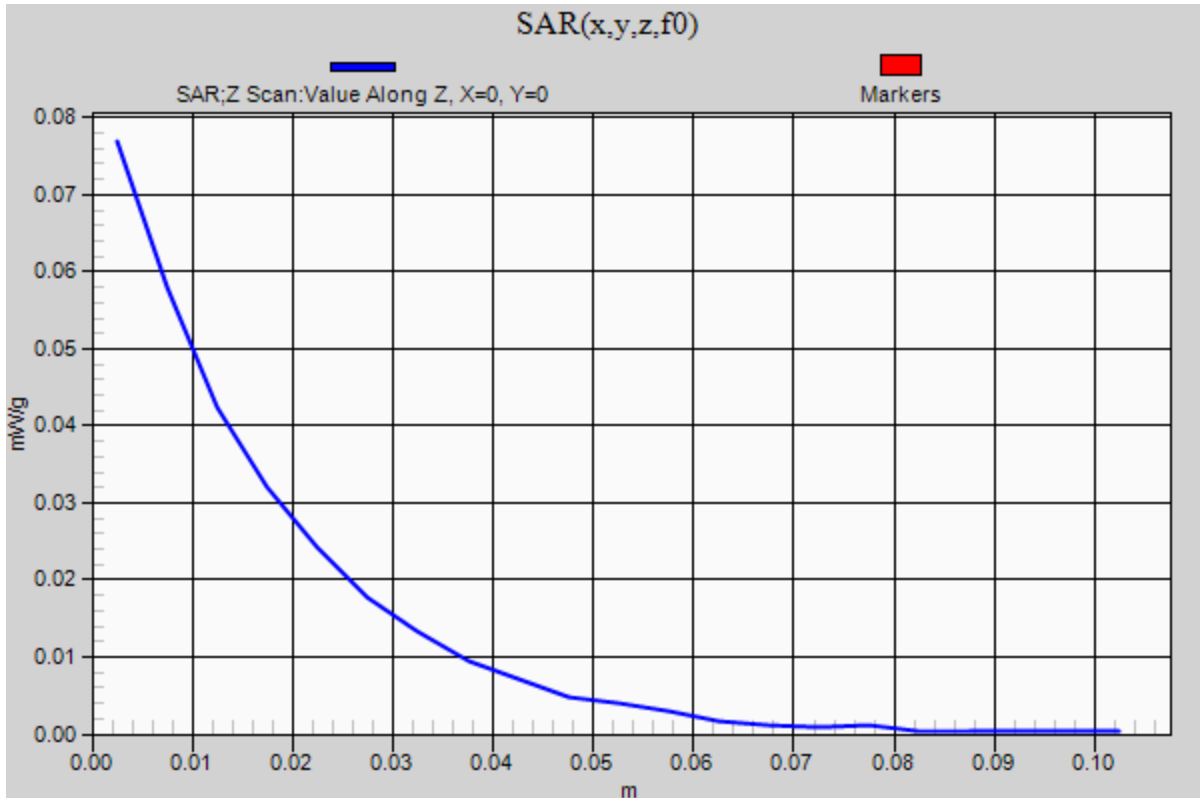
GPRS 850_Body_Bottom

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) = 0.077 mW/g



Test Laboratory: UL CCS SAR Lab B

GPRS 1900_Body_Bottom

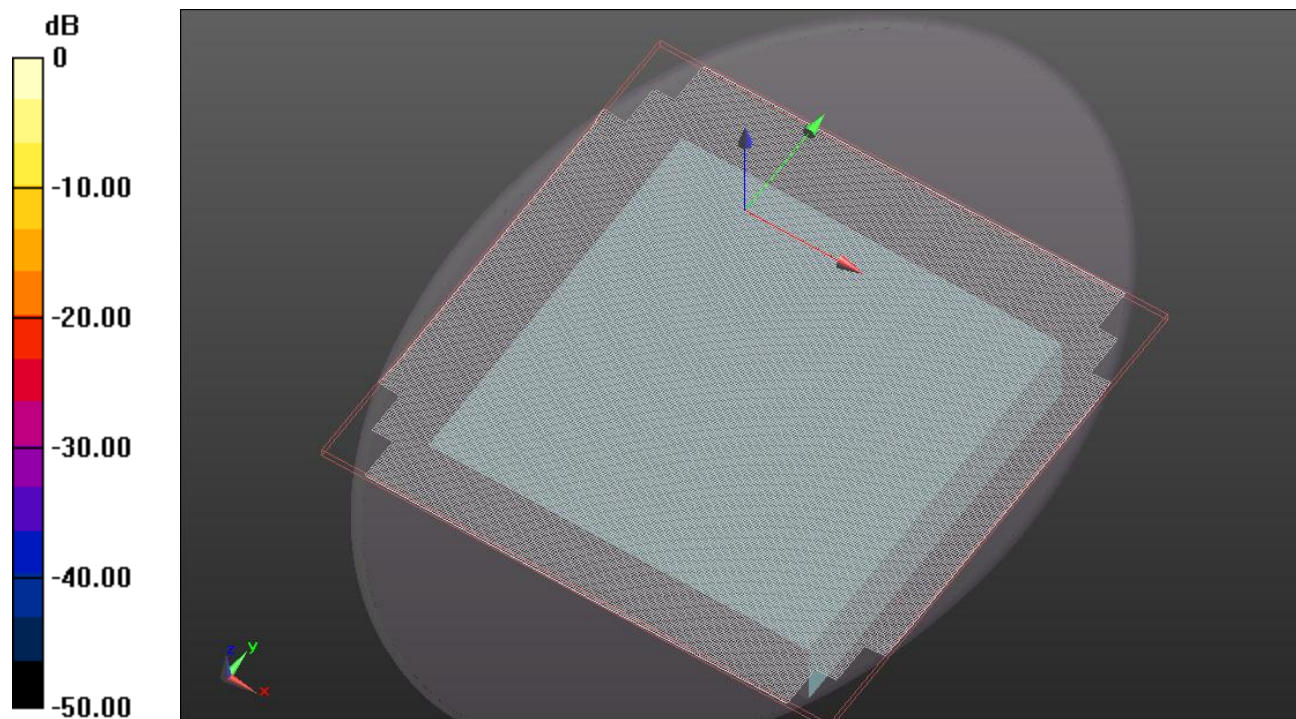
Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.434$ mho/m; $\epsilon_r = 53.281$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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 (241x241x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0 mW/g, SAR was not detected.



0 dB = 0mW/g

Test Laboratory: UL CCS SAR Lab C

GPRS 850_Body_Base_Tilt

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; $\sigma = 0.984$ mho/m; $\epsilon_r = 55.021$; $\rho = 1000$ 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 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

Mid-Ch/Area Scan (121x121x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.682 mW/g

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

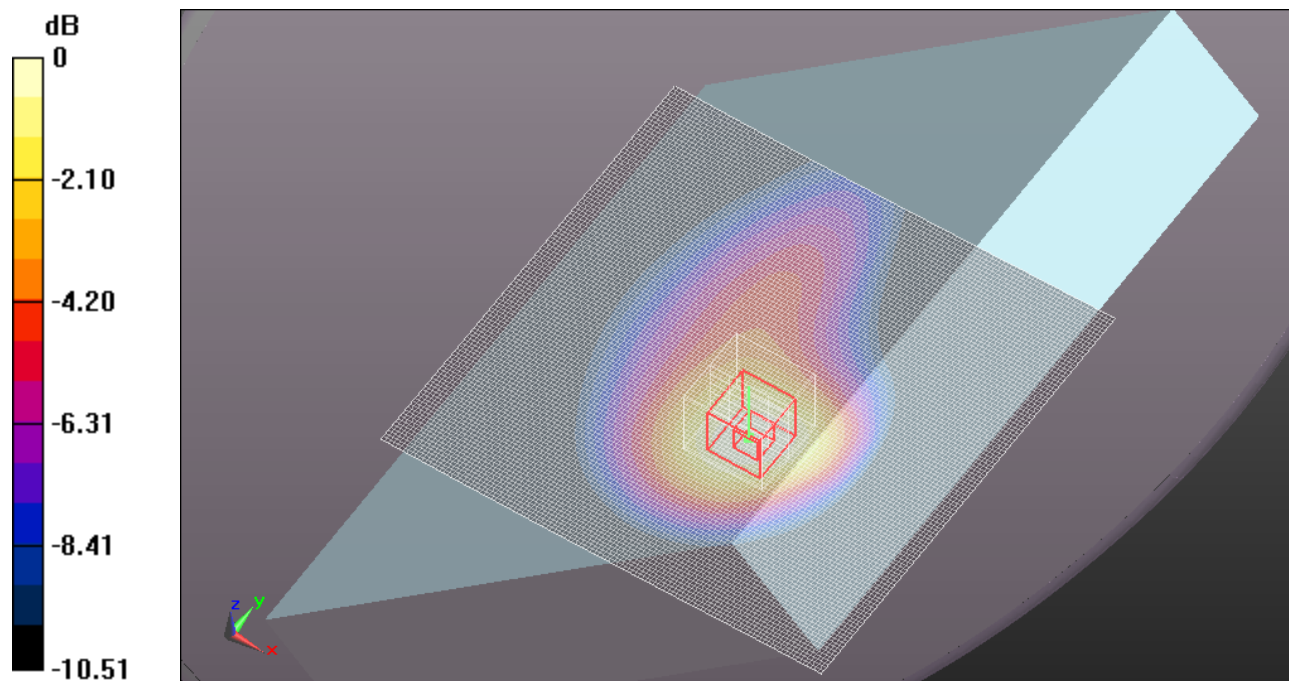
Reference Value = 26.354 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.7920

SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.393 mW/g

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

Maximum value of SAR (measured) = 0.666 mW/g



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

Test Laboratory: UL CCS SAR Lab C

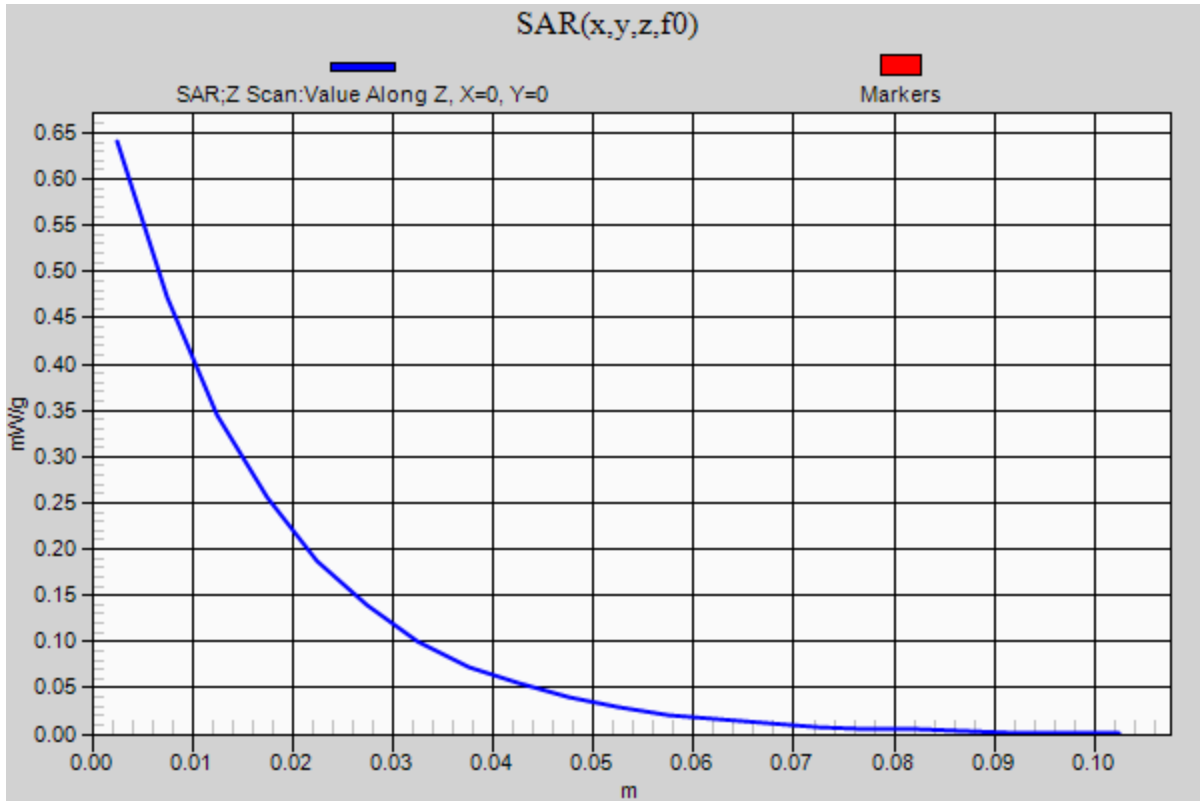
GPRS 850_Body_Base_Tilt

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) = 0.640 mW/g



Test Laboratory: UL CCS SAR Lab C

GPRS 1900_Body_Base_Tilt

Communication System: GPRS-FDD(TDMA,GMSK, 2 slot); Frequency: 1880 MHz;Duty Cycle: 1:4.00037
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ mho/m; $\epsilon_r = 54.115$; $\rho = 1000$ 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 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

Mid-Ch/Area Scan (121x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.392 mW/g

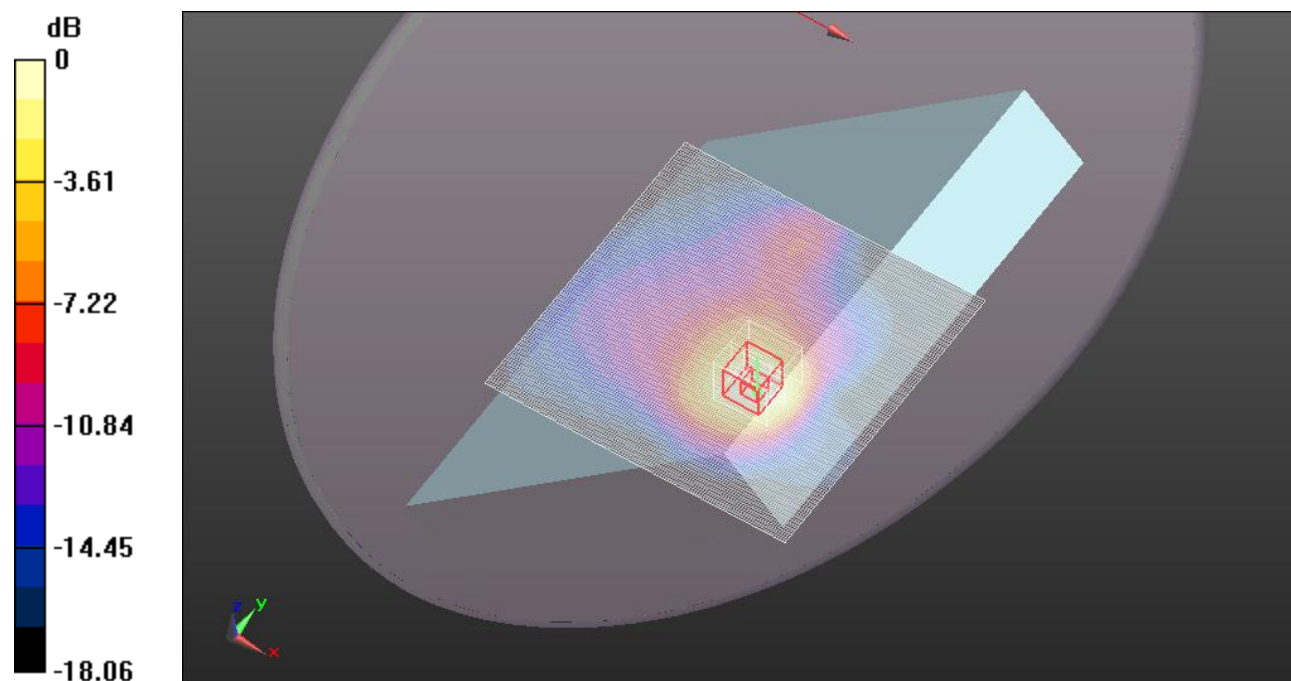
Mid-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.176 V/m; Power Drift = -0.0064 dB

Peak SAR (extrapolated) = 0.4720

SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.366 mW/g



0 dB = 0.370mW/g = -8.64 dB mW/g

Test Laboratory: UL CCS SAR Lab C

GPRS 1900_Body_Base_Tilt

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) = 0.341 mW/g

