

Test Laboratory: UL CCS SAR Lab C

2_PCS Band

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.565$ mho/m; $\epsilon_r = 52.763$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary landscape, TPK, ATT=6dB, GPRS 2 slot/M ch/Area Scan (51x181x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.213 mW/g

Secondary landscape, TPK, ATT=6dB, GPRS 2 slot/M ch/Zoom Scan (5x5x7)/Cube 0:

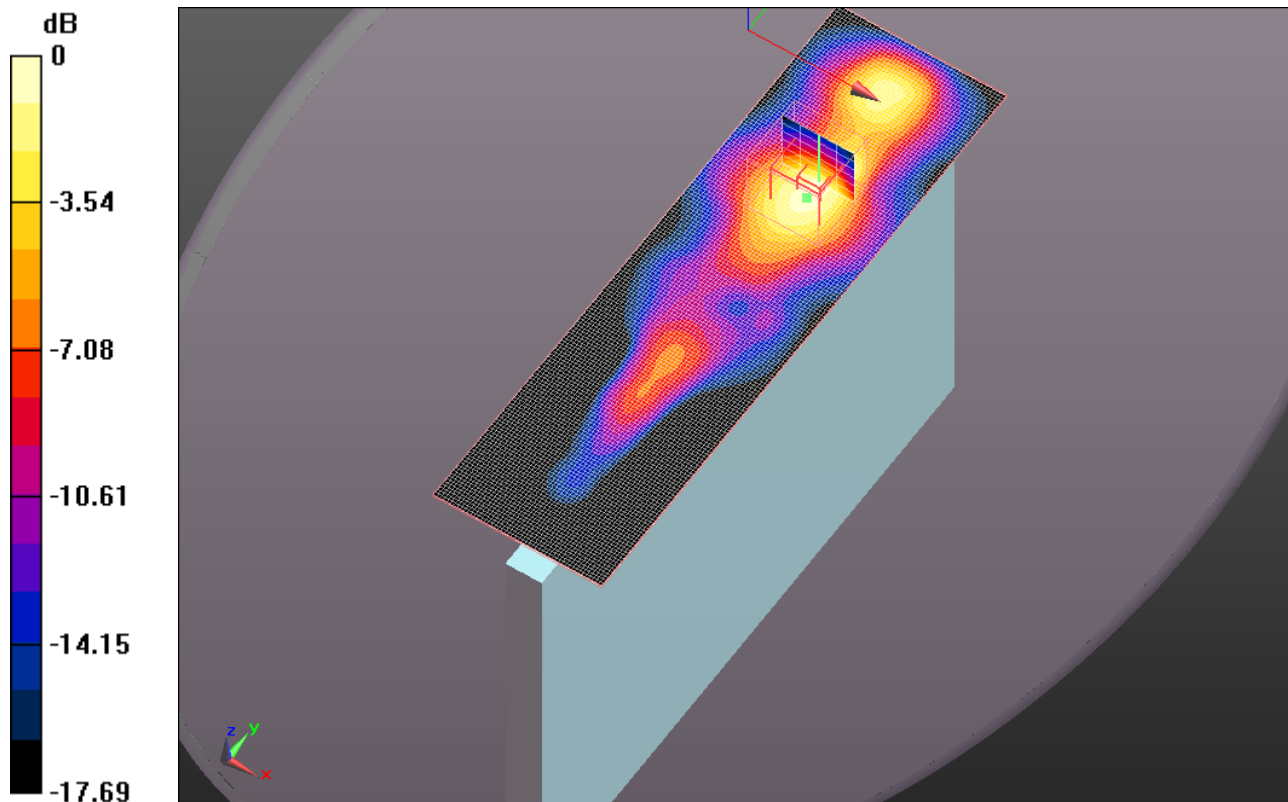
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.902 V/m; Power Drift = 0.0033 dB

Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.240 mW/g



0 dB = 0.240mW/g

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 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Primary Portrait, TPK, ATT=6dB, GPRS 2 slot/M ch/Area Scan (61x91x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.115 mW/g

Primary Portrait, TPK, ATT=6dB, GPRS 2 slot/M ch/Zoom Scan (5x5x7)/Cube 0:

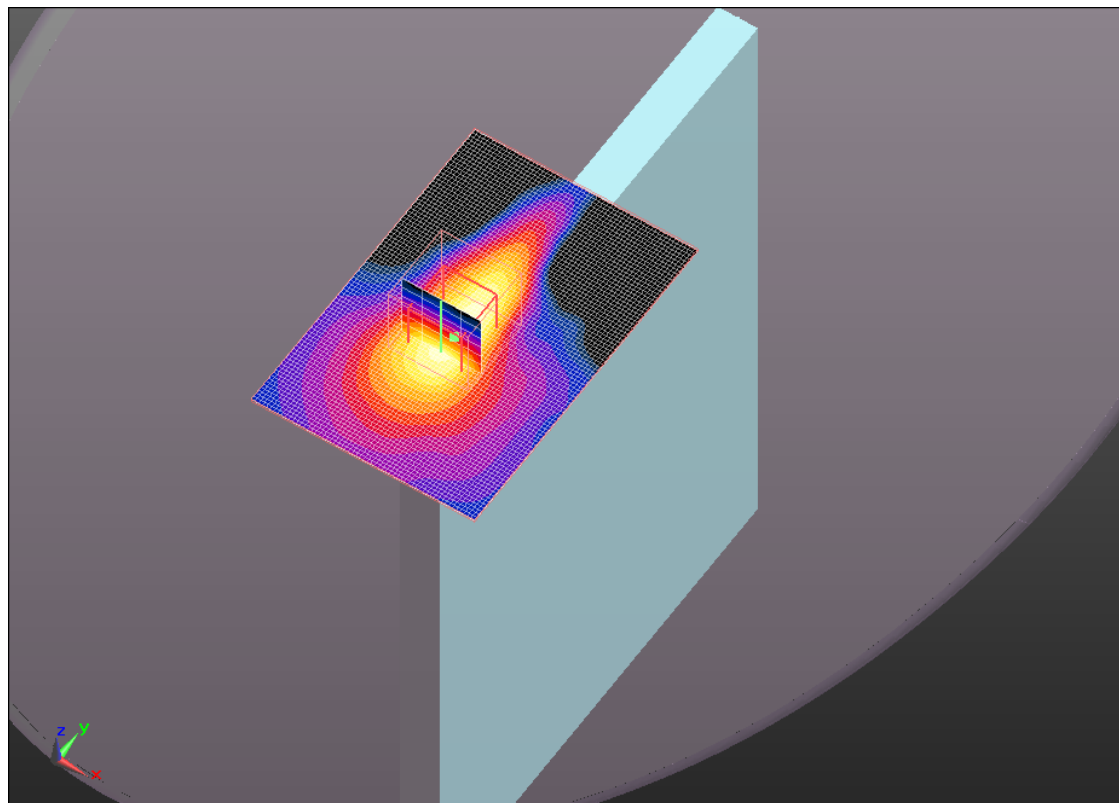
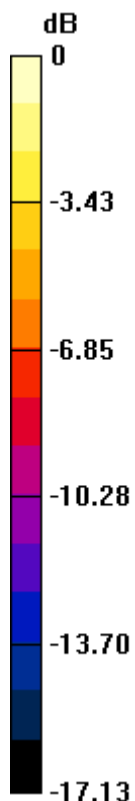
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.401 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.117 mW/g



0 dB = 0.120mW/g

Test Laboratory: UL CCS SAR Lab C

2_PCS Band

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r = 52.859$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, TPK, ATT=6dB, GPRS 2 slot/L ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.629 mW/g

Base, TPK, ATT=6dB, GPRS 2 slot/L ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

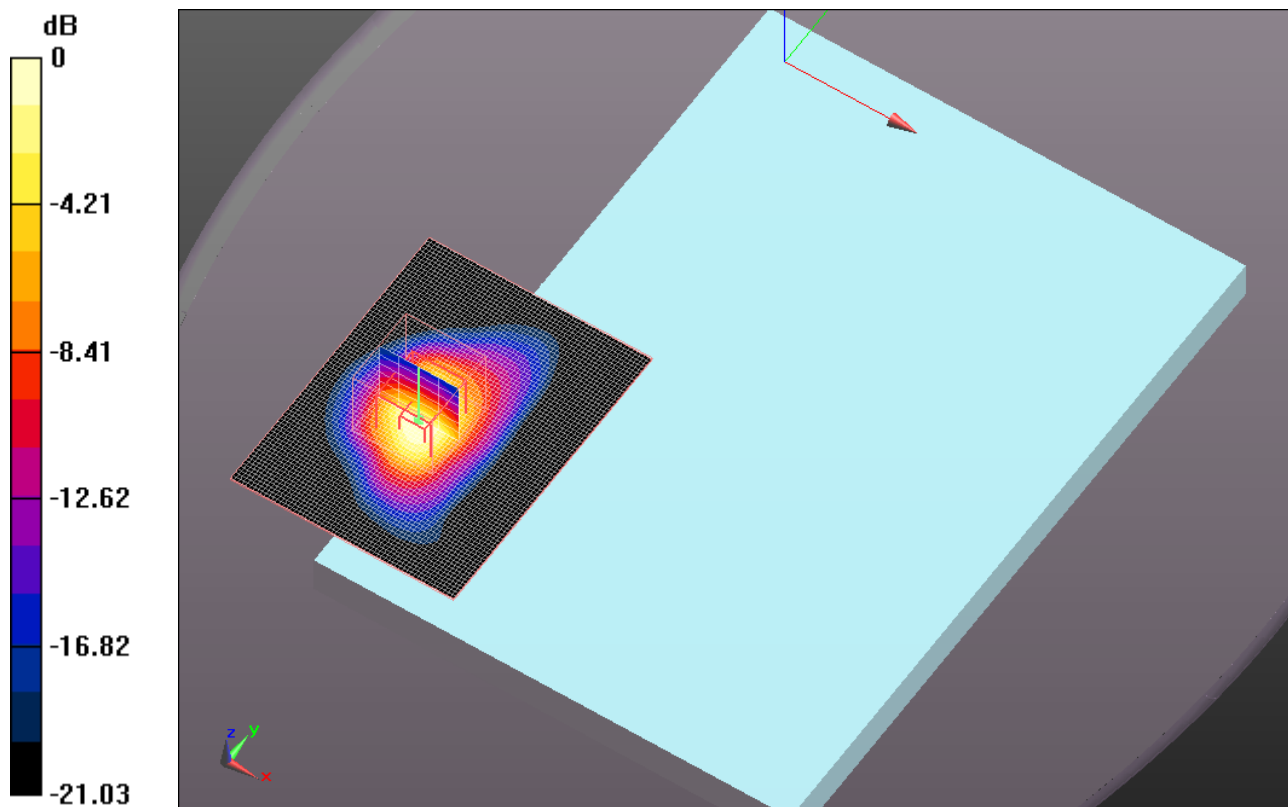
Reference Value = 26.318 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.122 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.476 mW/g

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

Maximum value of SAR (measured) = 1.448 mW/g



0 dB = 1.450mW/g

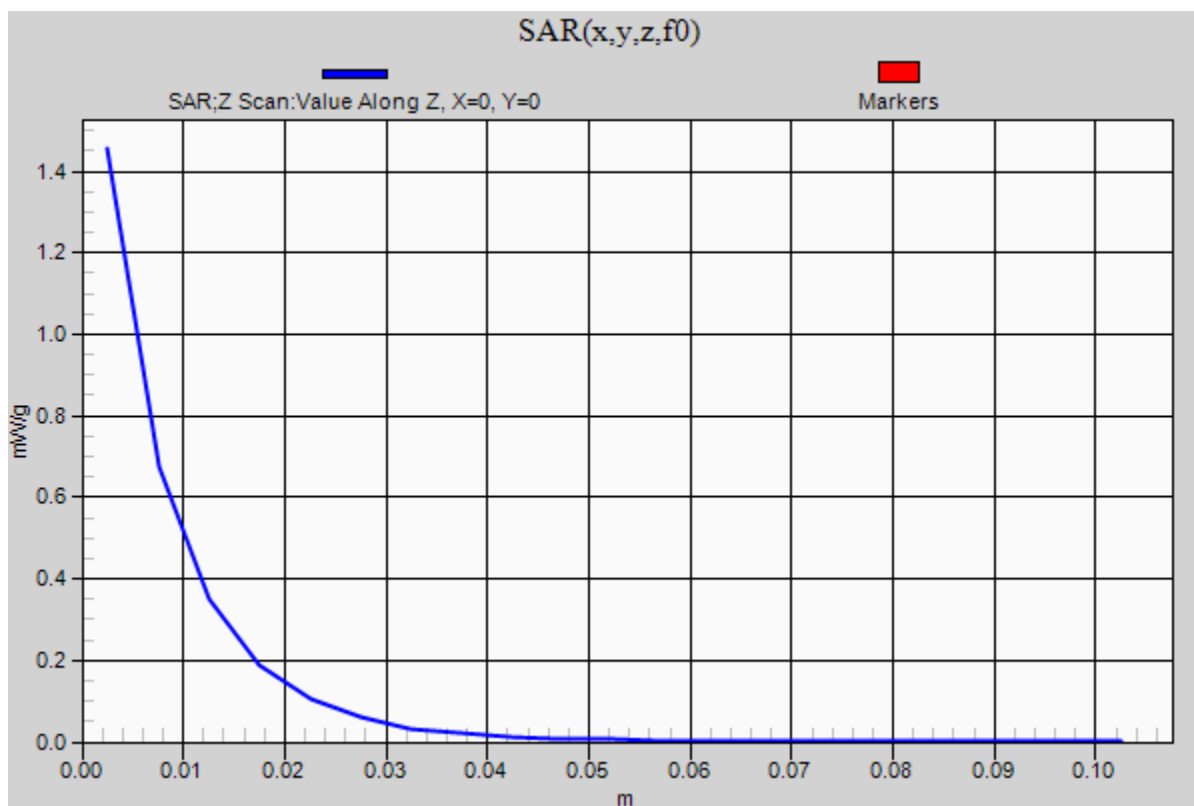
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2_PCS Band

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037

Base, TPK, ATT=6dB, GPRS 2 slot/L ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.455 mW/g



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2_PCS Band

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Medium parameters used: $f = 1880$ MHz; $\sigma = 1.565$ mho/m; $\epsilon_r = 52.763$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, TPK, ATT=6dB, GPRS 2 slot/M ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.387 mW/g

Base, TPK, ATT=6dB, GPRS 2 slot/M ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

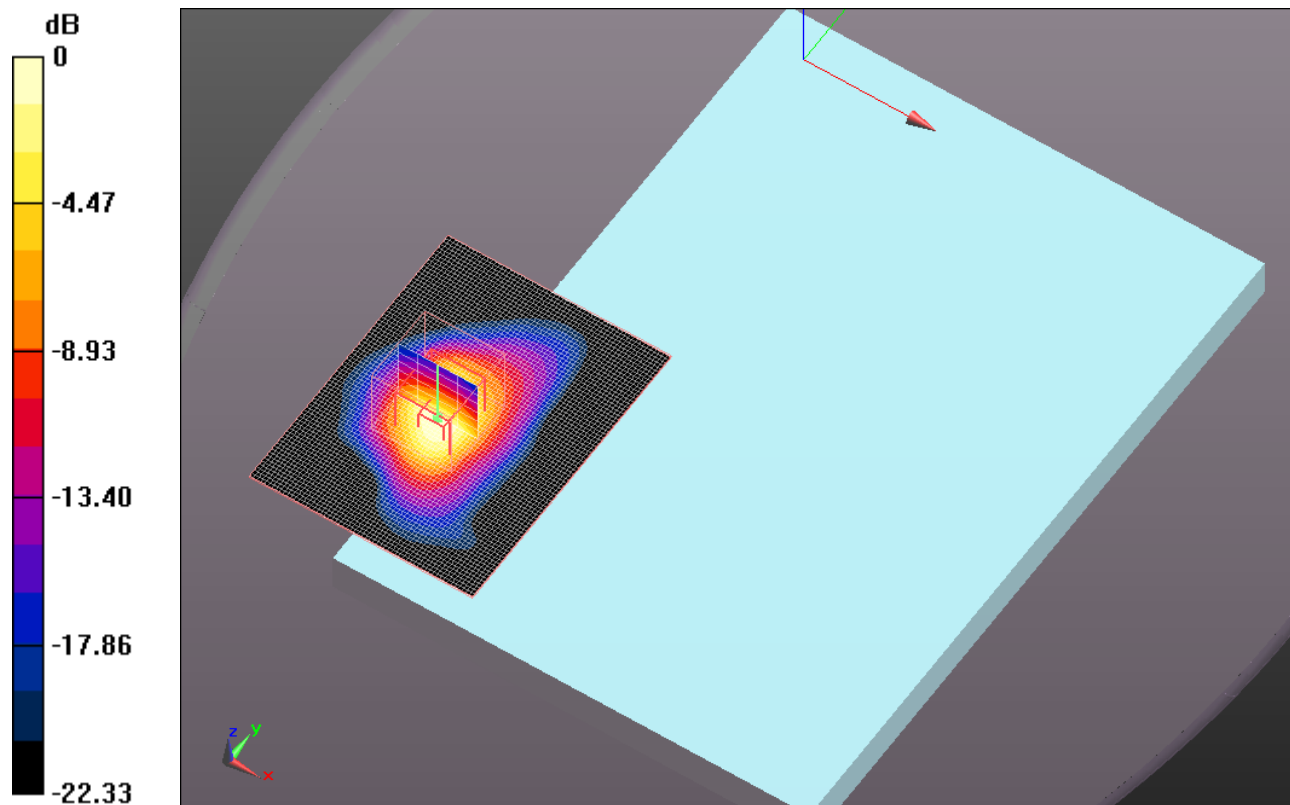
dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.094 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 1.899 W/kg

SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.416 mW/g

Maximum value of SAR (measured) = 1.277 mW/g



0 dB = 1.280mW/g

Test Laboratory: UL CCS SAR Lab C

2_PCS Band

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.596$ mho/m; $\epsilon_r = 52.671$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, TPK, ATT=6dB, GPRS 2 slot/H ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.175 mW/g

Base, TPK, ATT=6dB, GPRS 2 slot/H ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

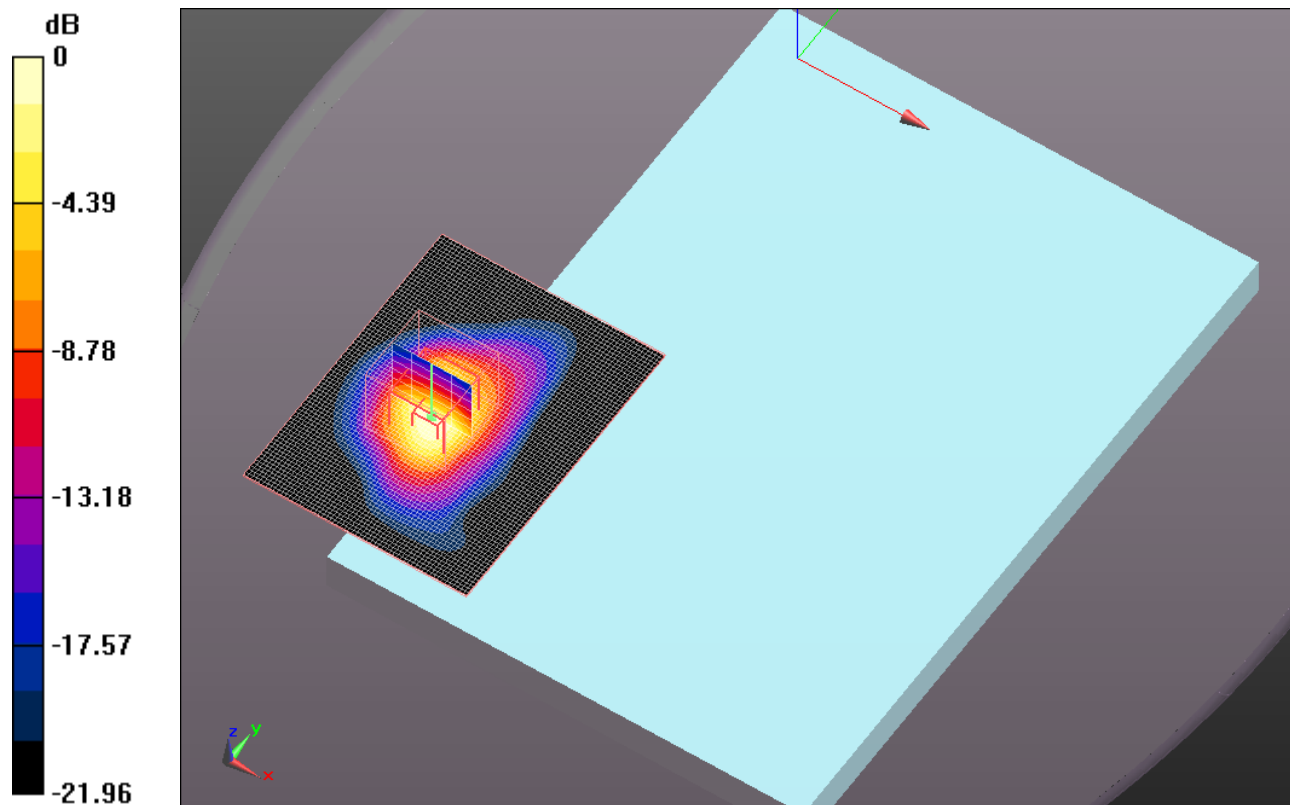
dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.199 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.626 W/kg

SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.351 mW/g

Maximum value of SAR (measured) = 1.078 mW/g



0 dB = 1.080mW/g

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2_PCS Band

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r = 52.859$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, TPK, ATT=6dB, EGPRS 2 slot/L ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.725 mW/g

Base, TPK, ATT=6dB, EGPRS 2 slot/L ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

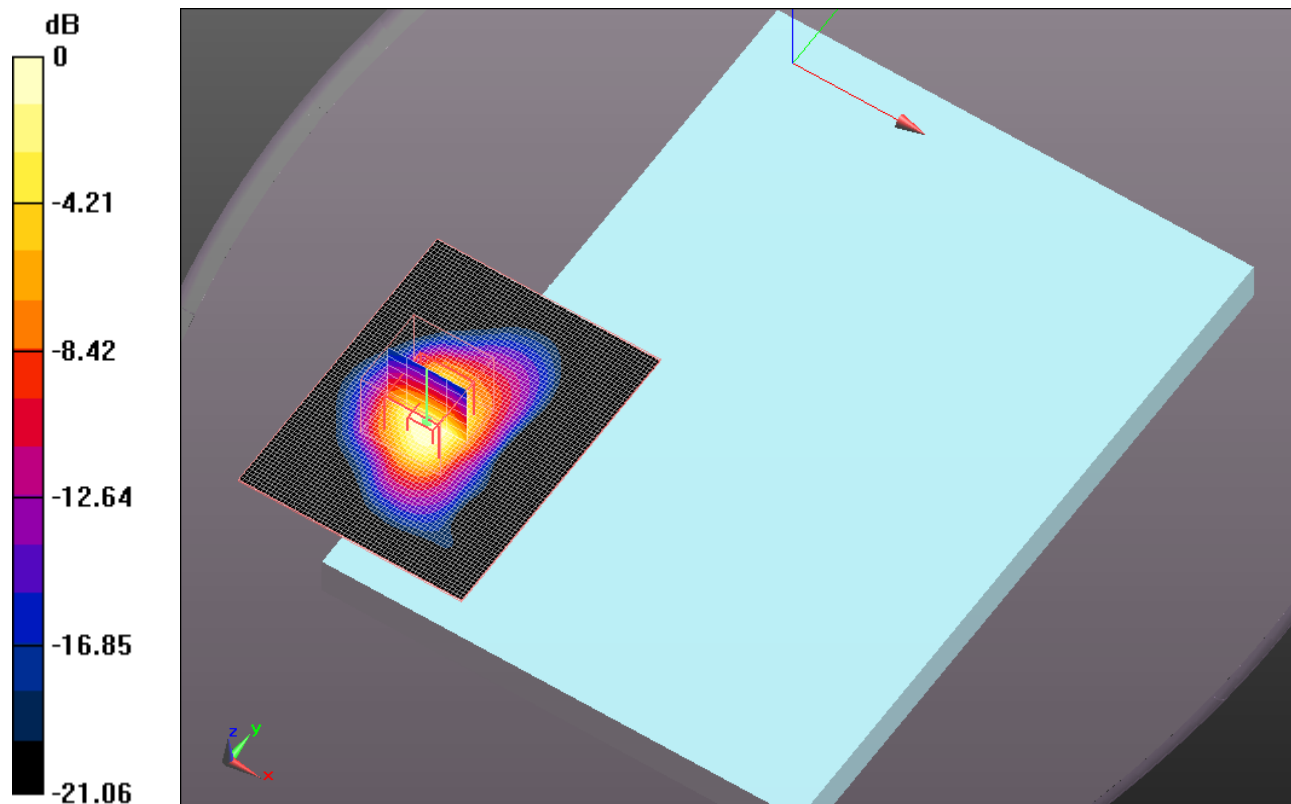
Reference Value = 17.906 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.972 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.215 mW/g

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

Maximum value of SAR (measured) = 0.649 mW/g



0 dB = 0.650mW/g

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 Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r = 52.859$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, TPK, ATT=0dB, GPRS 2 slot, 1.1cm Separation/L ch/Area Scan (61x81x1):

Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.890 mW/g

Base, TPK, ATT=0dB, GPRS 2 slot, 1.1cm Separation/L ch/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

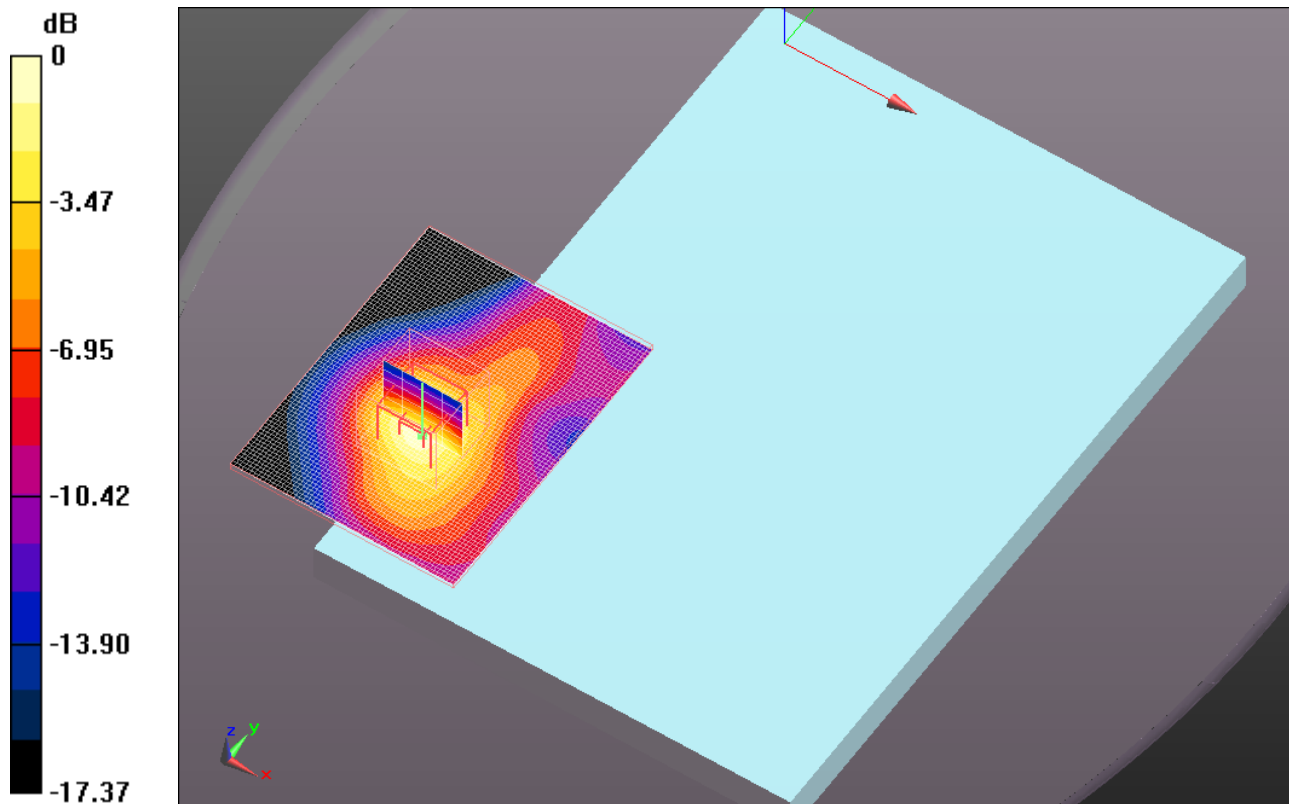
Reference Value = 25.906 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.353 W/kg

SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.420 mW/g

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

Maximum value of SAR (measured) = 1.005 mW/g



0 dB = 1.000mW/g

Test Laboratory: UL CCS SAR Lab C

2_PCS Band

Communication System: GPRS-FDD (TDMA, GMSK, 2 slot); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.542$ mho/m; $\epsilon_r = 52.127$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, N-Trig, ATT=6dB, GPRS 2 slot/M ch/Area Scan (61x81x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 1.026 mW/g

Base, N-Trig, ATT=6dB, GPRS 2 slot/M ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

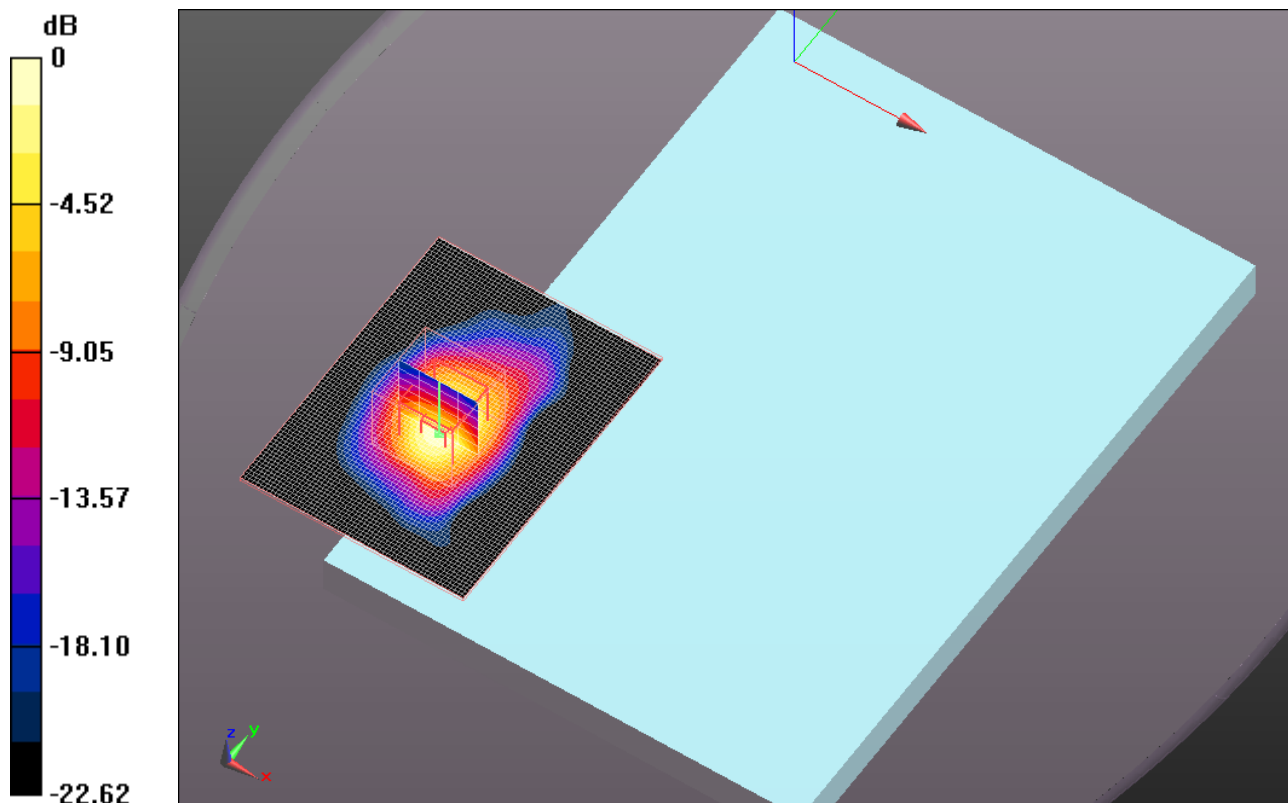
$dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 24.206 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.639 W/kg

SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.335 mW/g

Maximum value of SAR (measured) = 1.105 mW/g



0 dB = 1.100mW/g