

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.475$ mho/m; $\epsilon_r = 51.529$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.919 mW/g

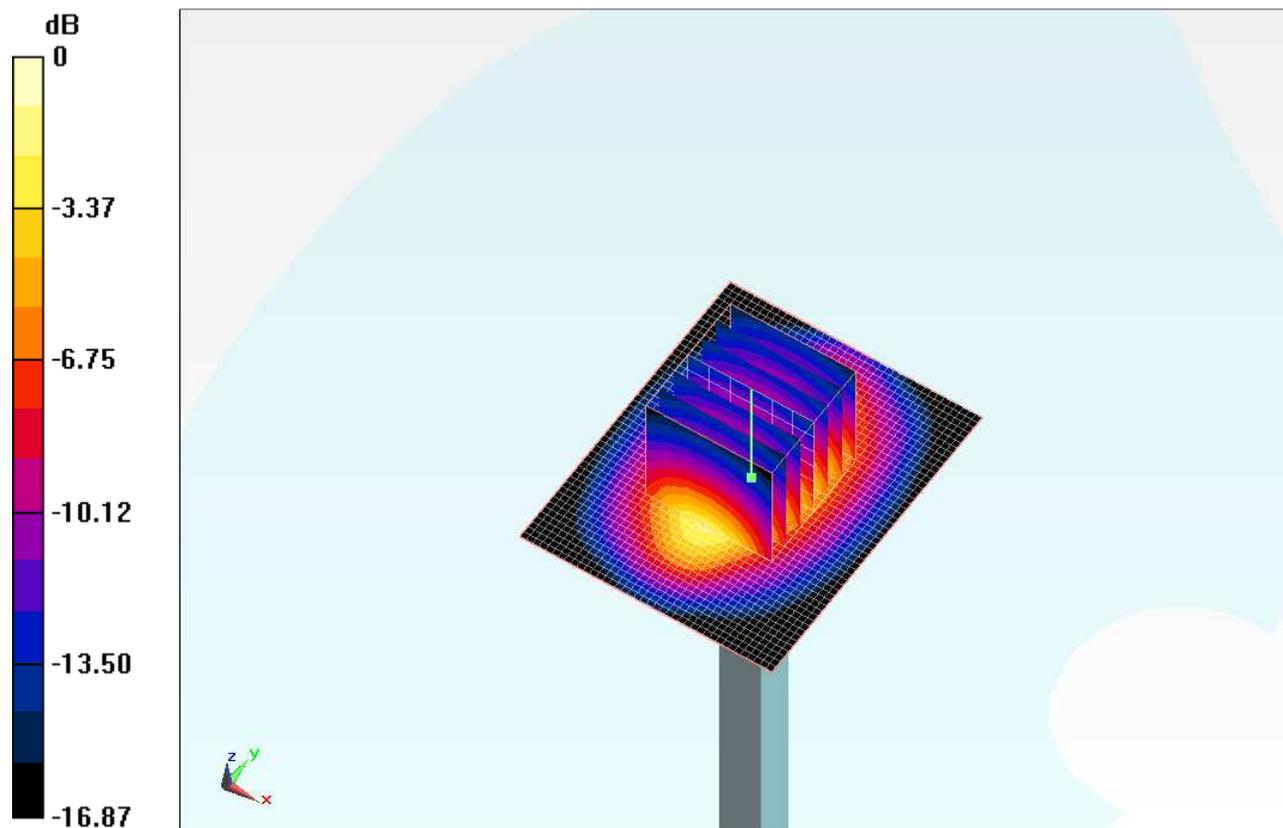
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.349 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.539 W/kg

SAR(1 g) = 4.18 mW/g; SAR(10 g) = 2.2 mW/g

Maximum value of SAR (measured) = 5.615 mW/g



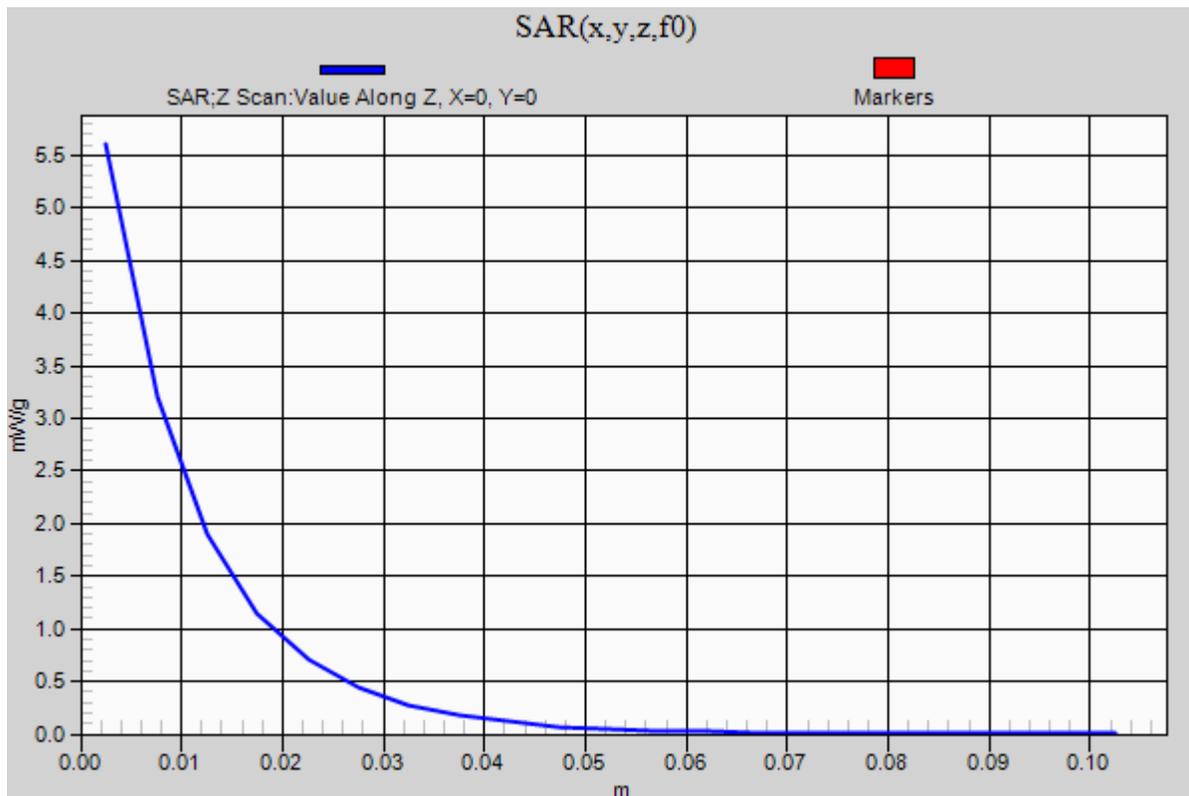
0 dB = 5.610mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.605 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ mho/m; $\epsilon_r = 39.411$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.804 mW/g

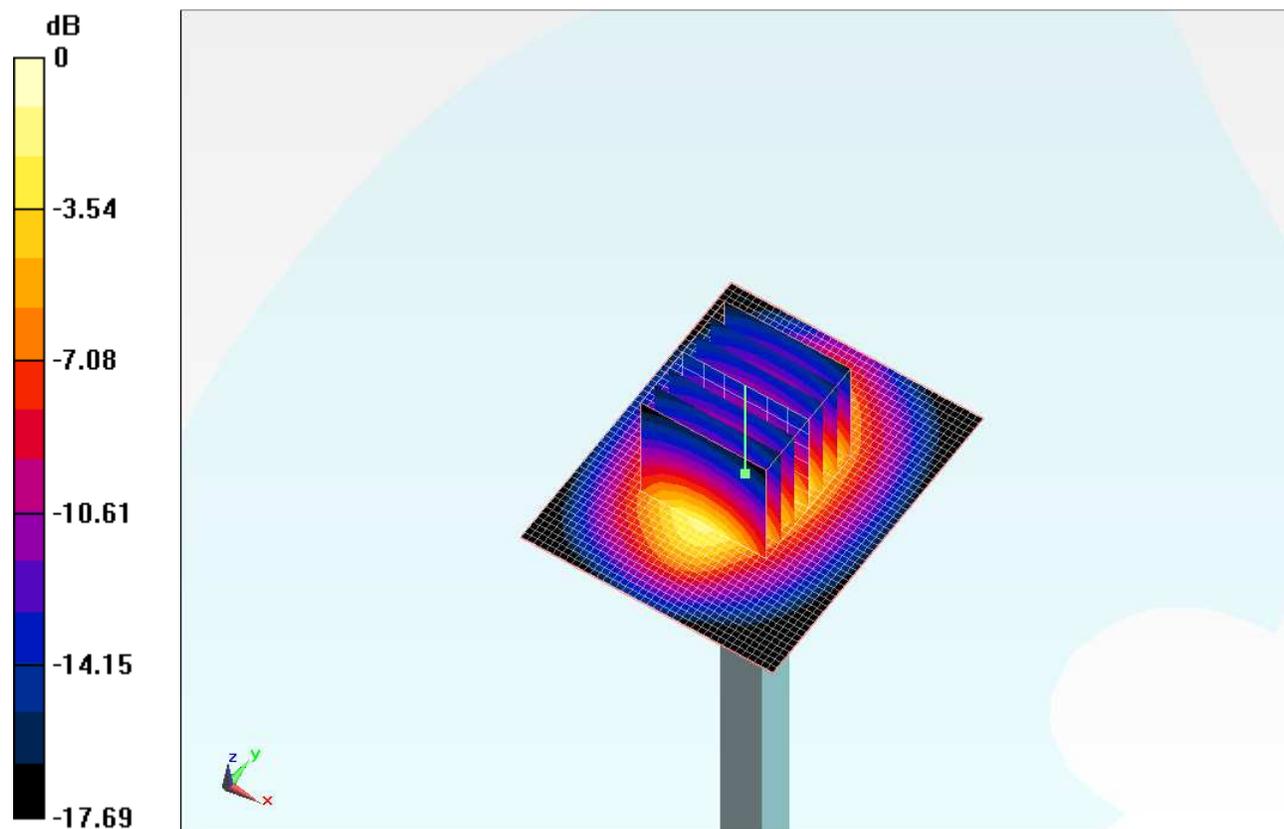
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.937 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.657 W/kg

SAR(1 g) = 4.07 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (measured) = 5.526 mW/g



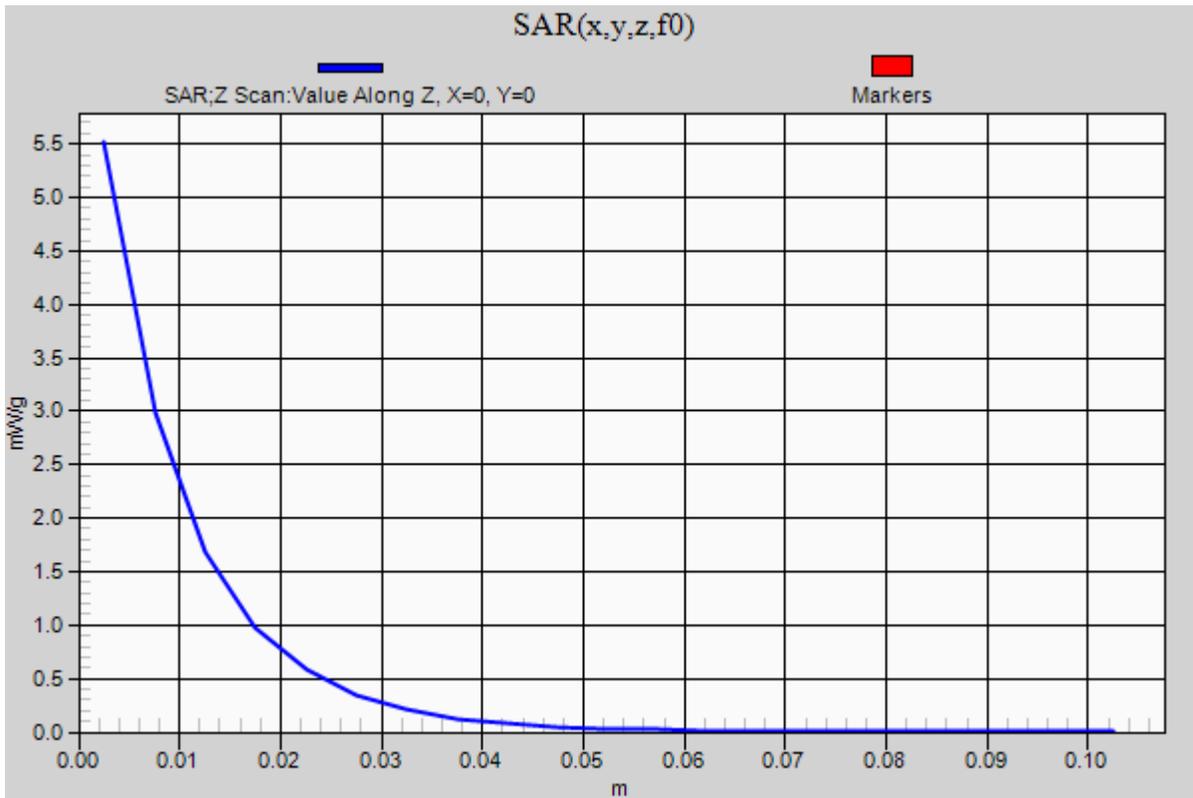
0 dB = 5.530mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.517 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.634$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 6.105 mW/g

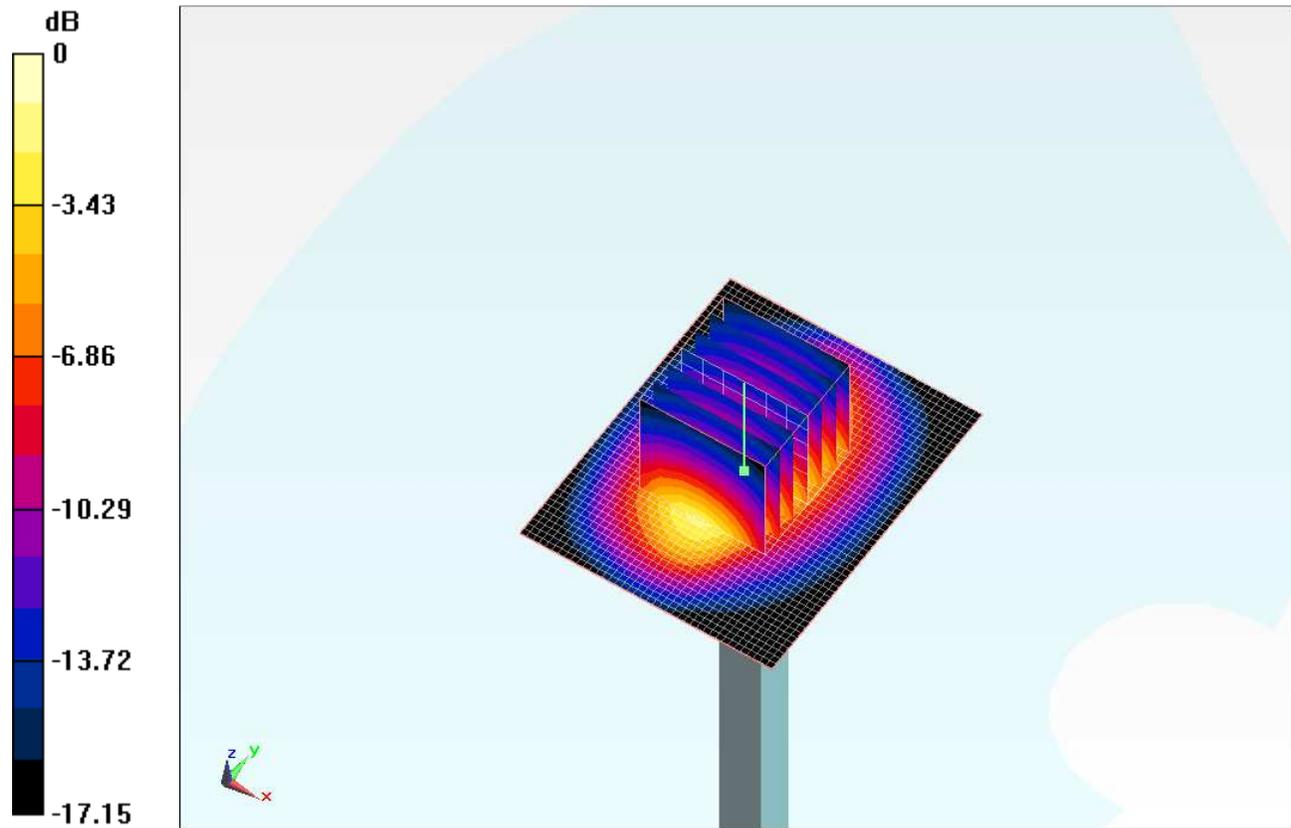
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.408 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 7.863 W/kg

SAR(1 g) = 4.31 mW/g; SAR(10 g) = 2.25 mW/g

Maximum value of SAR (measured) = 5.824 mW/g



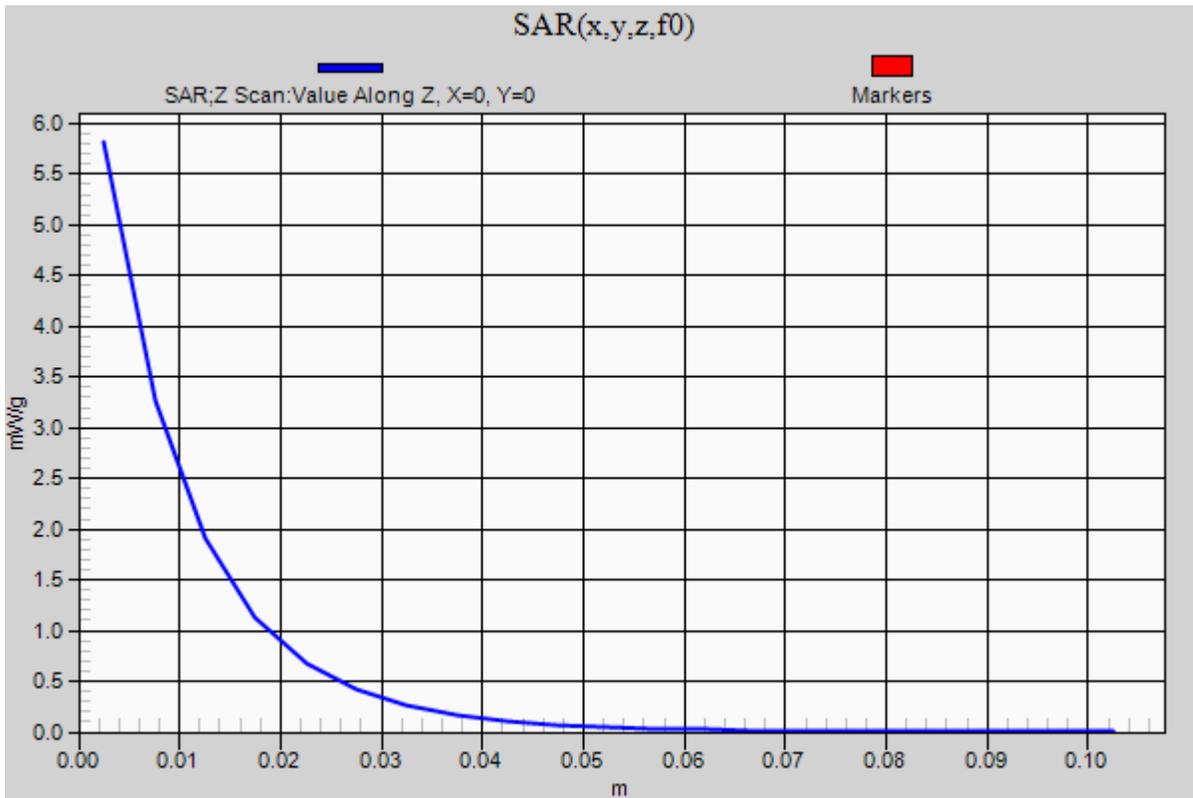
0 dB = 5.820mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz ;Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.816 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ mho/m; $\epsilon_r = 39.411$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

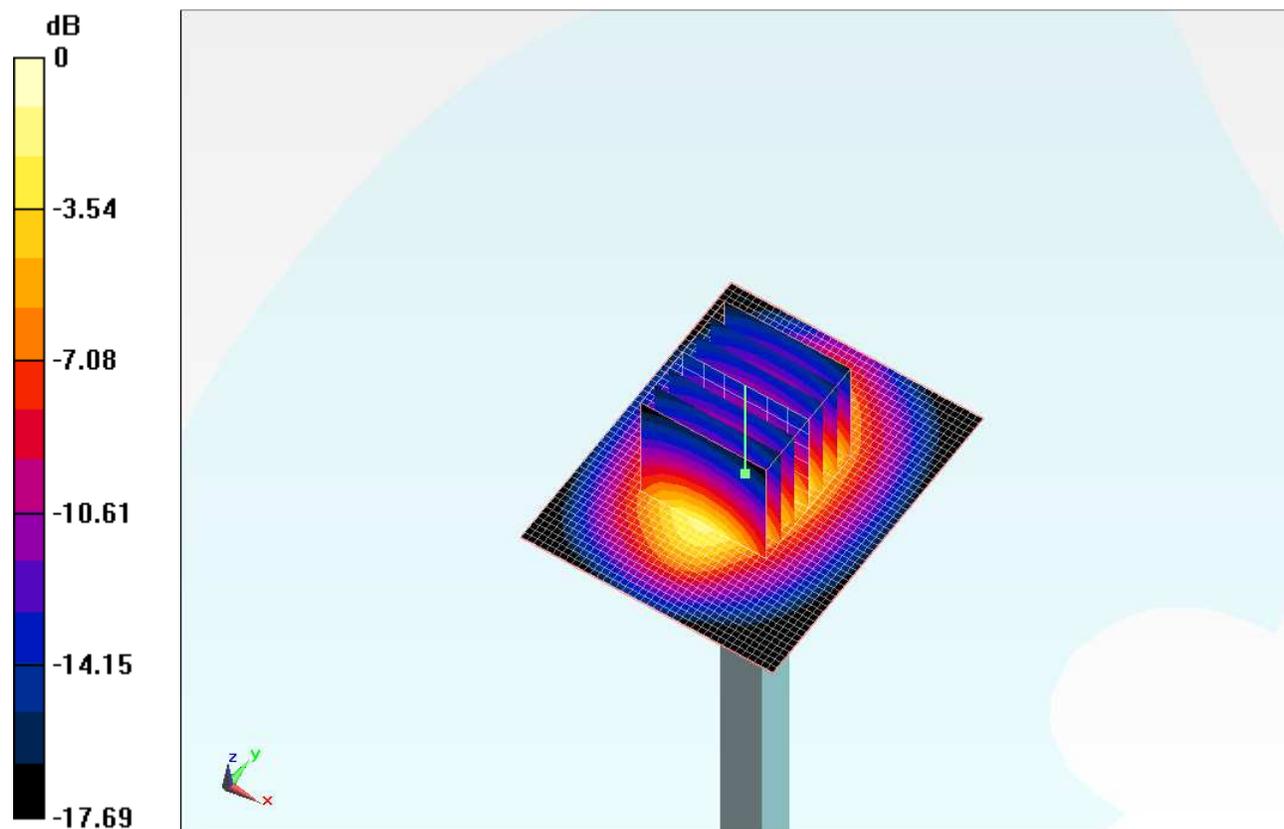
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 5.804 mW/g

Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 62.937 V/m; Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 7.657 W/kg
SAR(1 g) = 4.07 mW/g; SAR(10 g) = 2.11 mW/g
 Maximum value of SAR (measured) = 5.526 mW/g



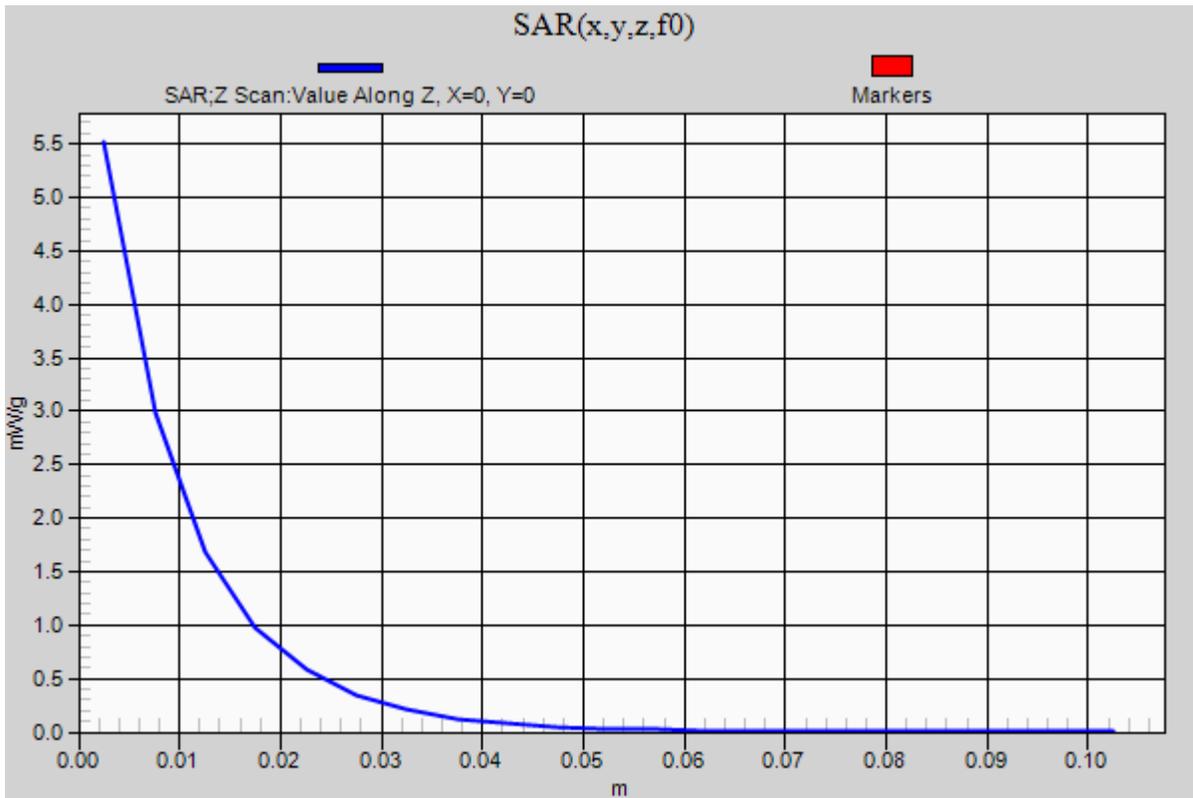
0 dB = 5.530mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.517 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.478$ mho/m; $\epsilon_r = 54.297$; $\rho = 1000$ 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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.328 mW/g

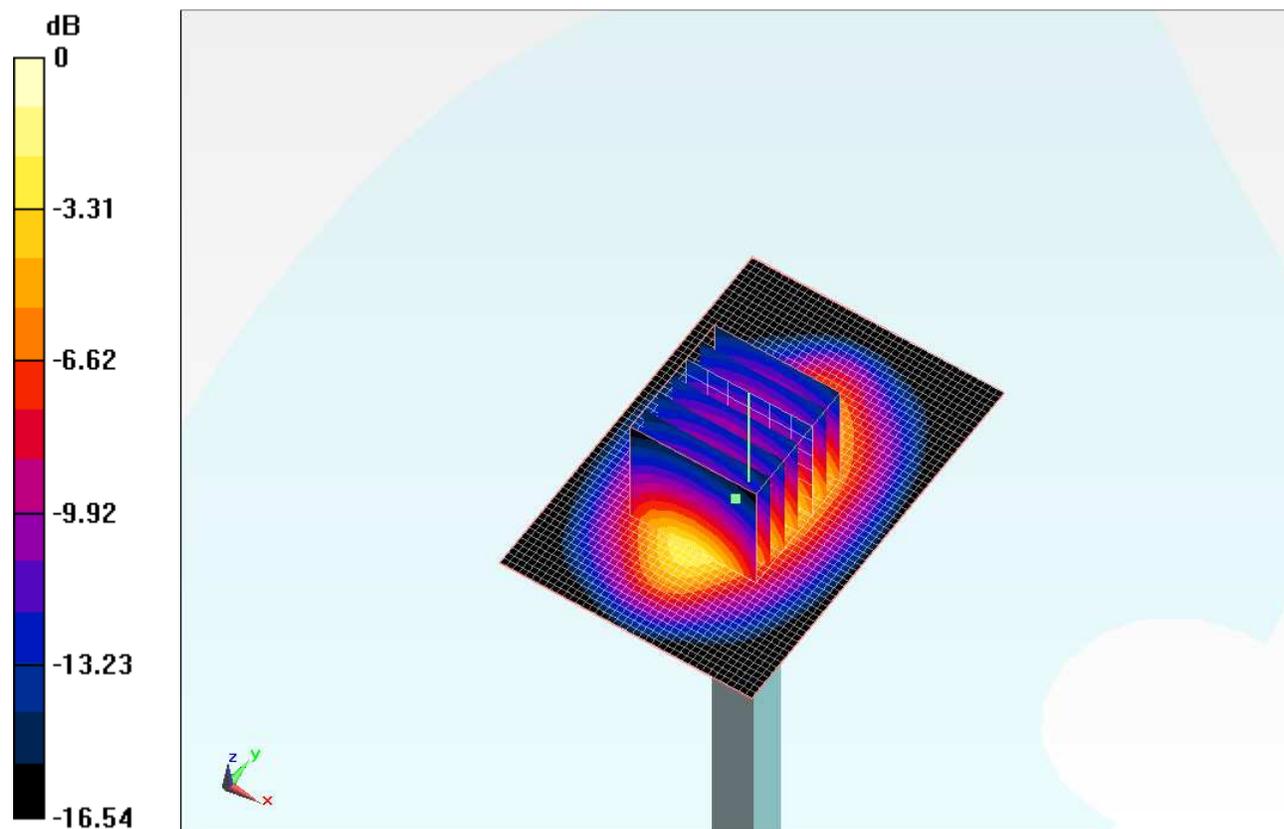
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.579 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 6.951 W/kg

SAR(1 g) = 3.88 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (measured) = 5.157 mW/g



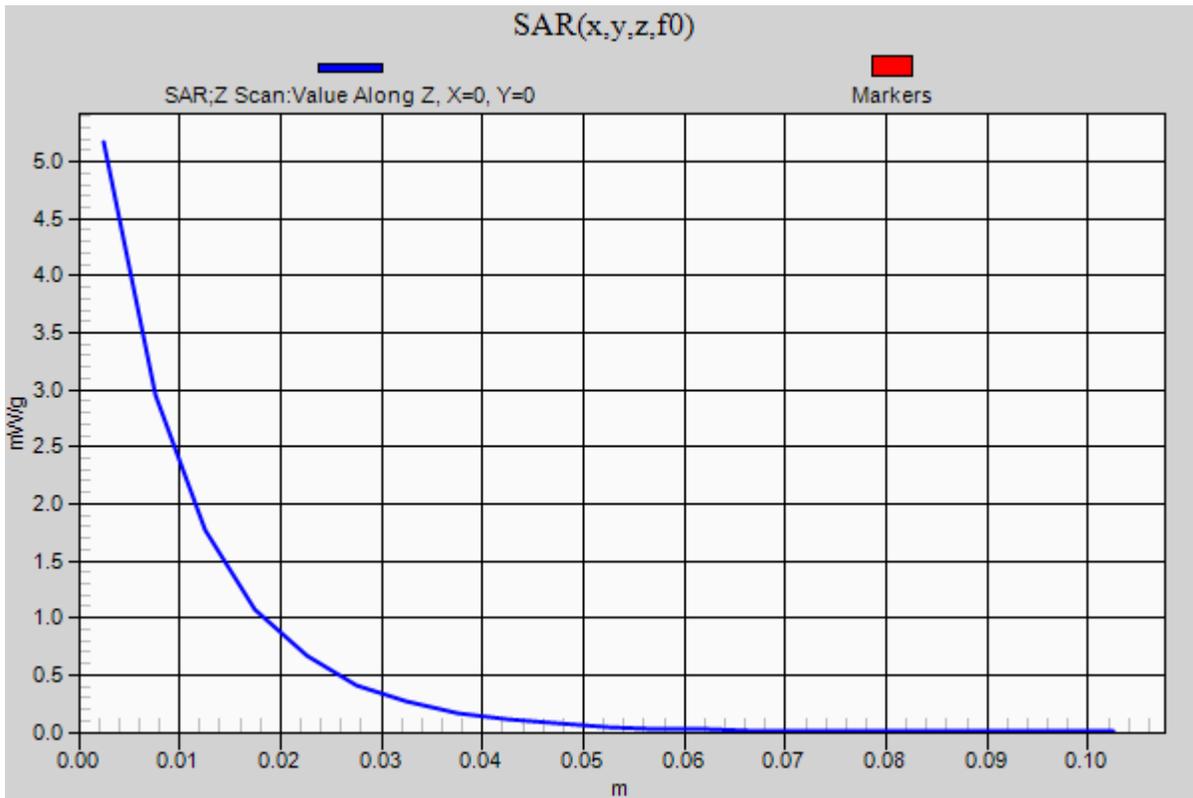
0 dB = 5.160mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.171 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.334$ mho/m; $\epsilon_r = 40.684$; $\rho = 1000$ 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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.961 mW/g

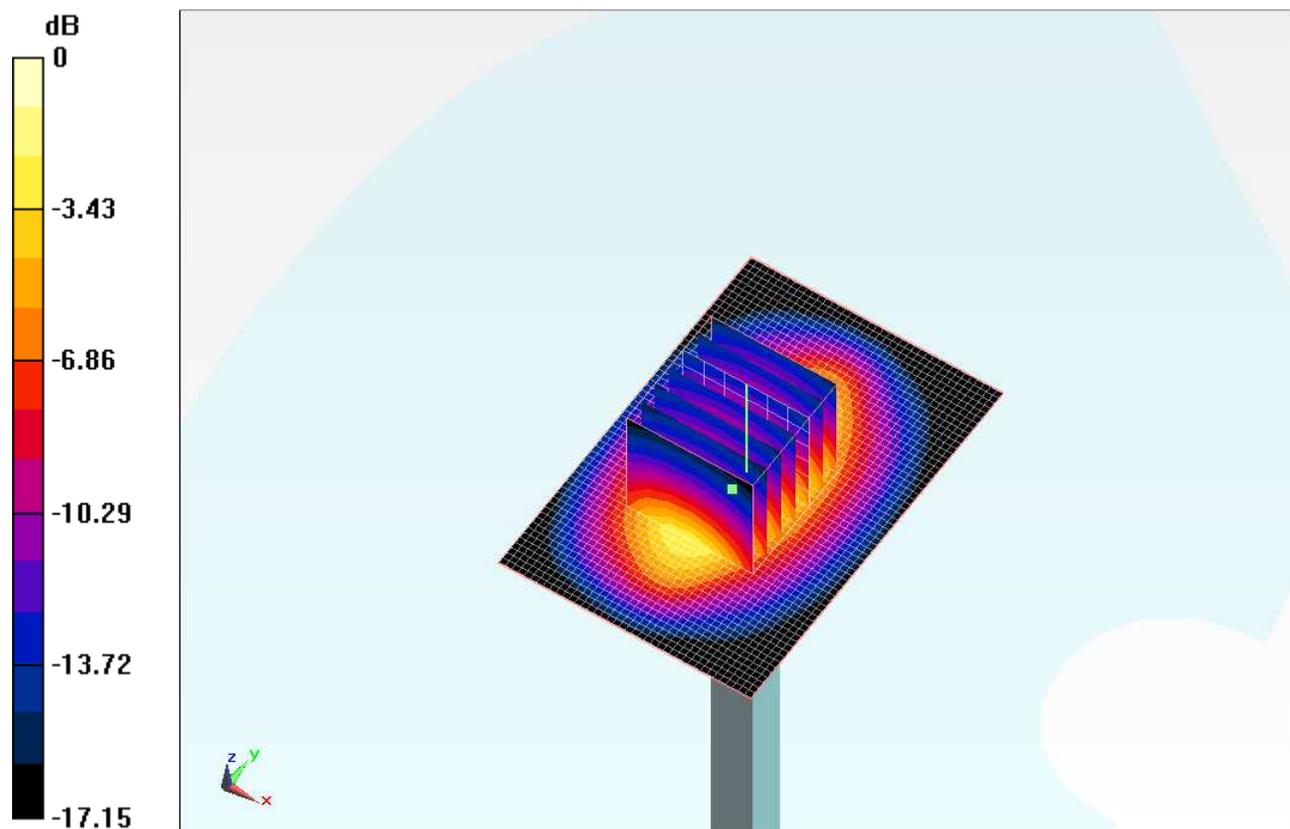
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.381 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.702 W/kg

SAR(1 g) = 3.66 mW/g; SAR(10 g) = 1.94 mW/g

Maximum value of SAR (measured) = 4.907 mW/g



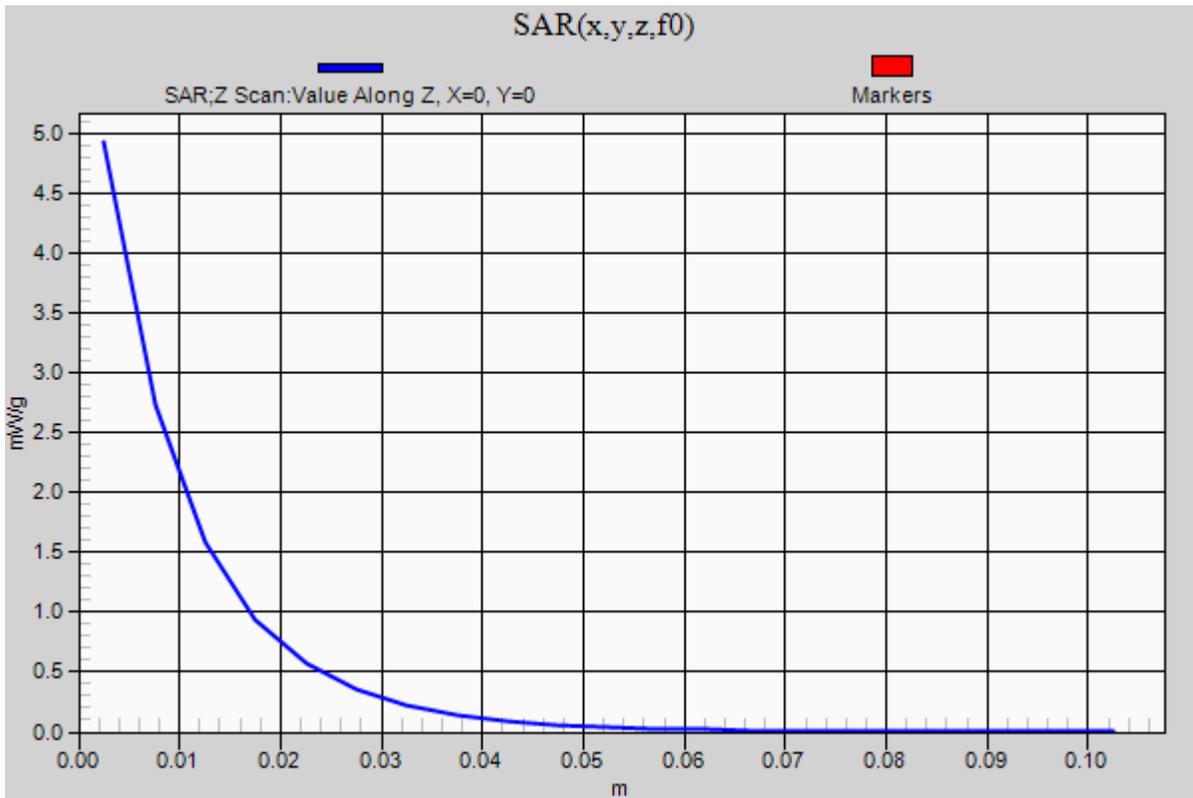
0 dB = 4.910mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.921 mW/g



Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 55.25$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

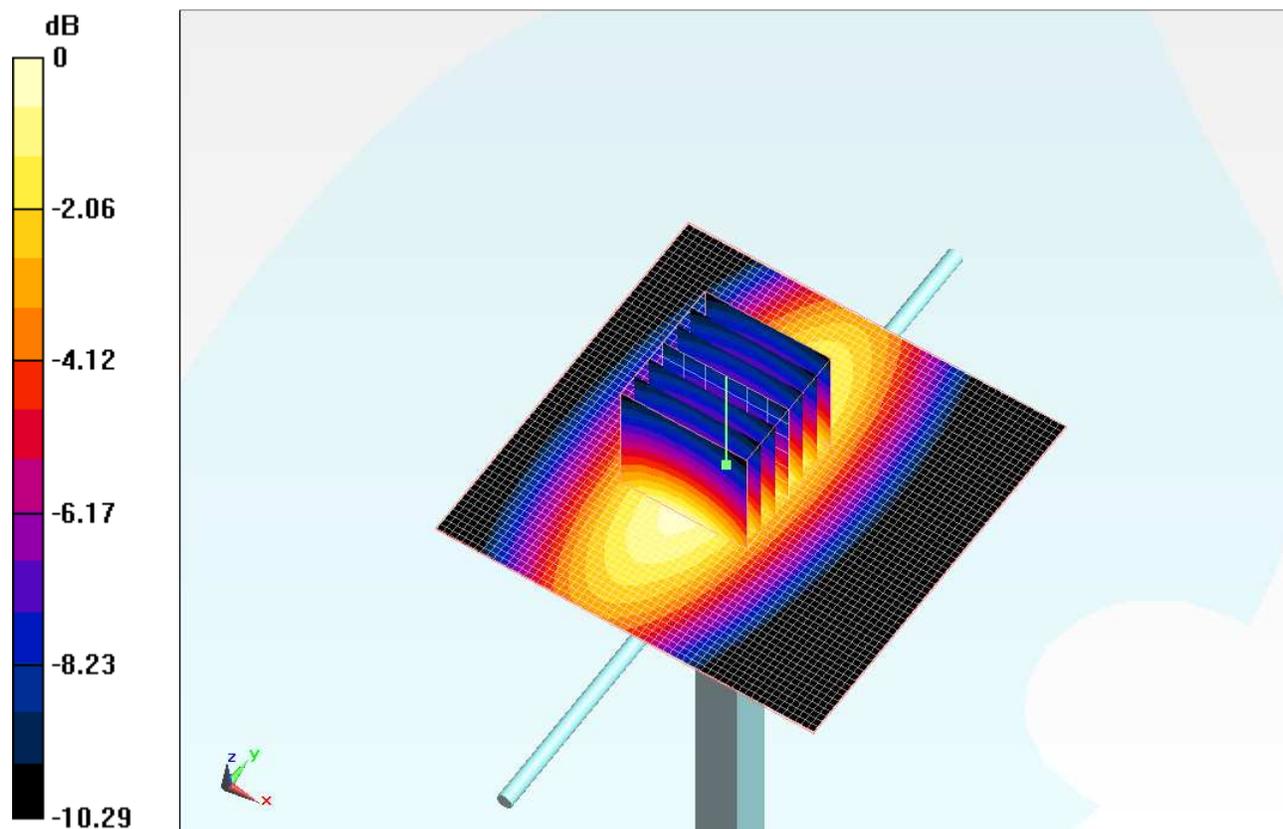
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(8.78, 8.78, 8.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.276 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 38.936 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 1.588 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.698 mW/g
 Maximum value of SAR (measured) = 1.290 mW/g



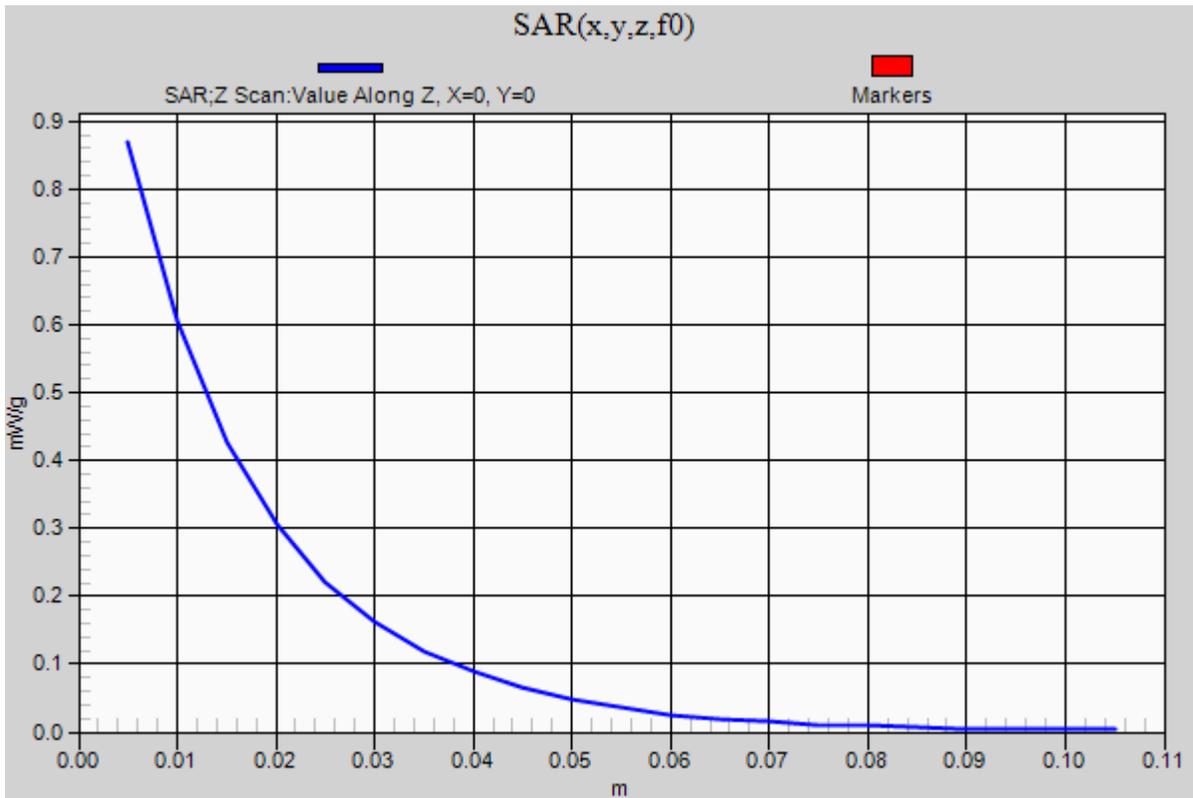
0 dB = 1.290mW/g

Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.869 mW/g



Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.889$ mho/m; $\epsilon_r = 42.814$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

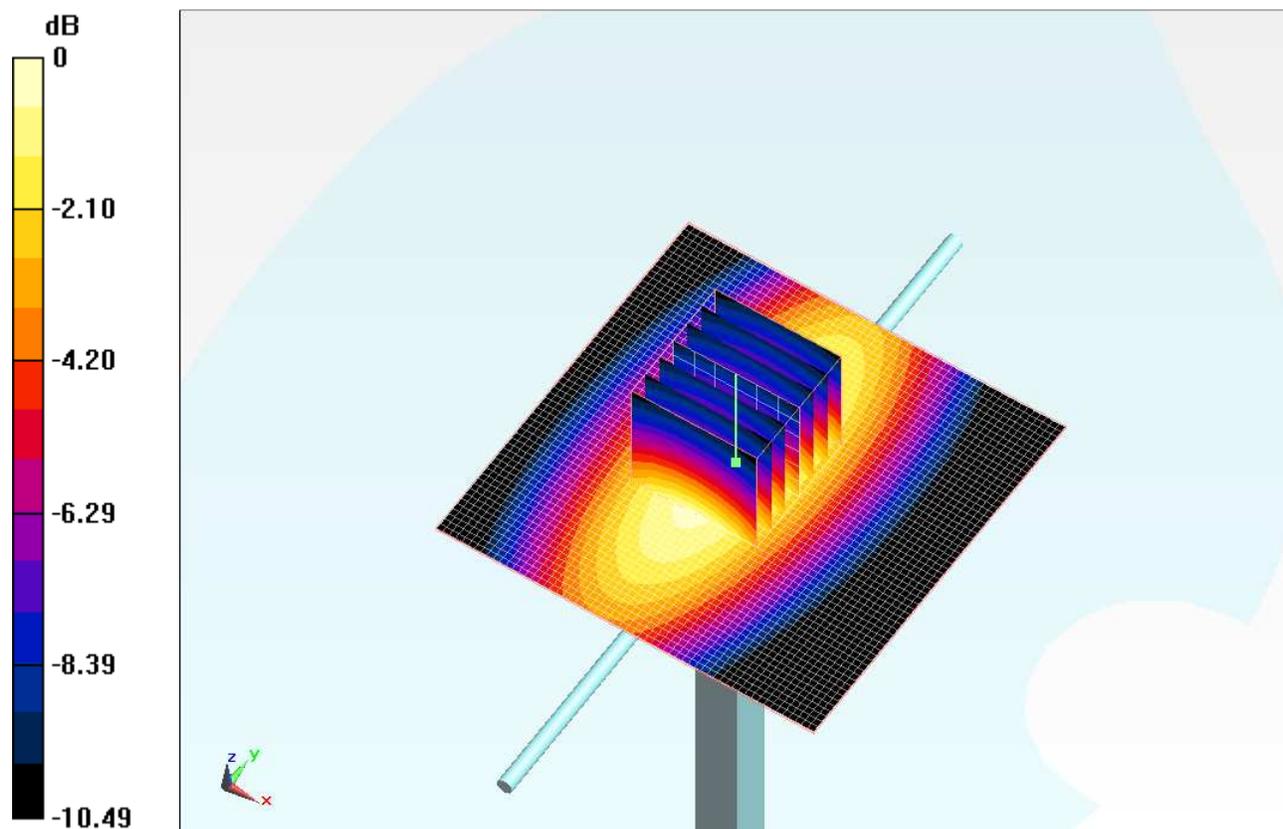
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(8.65, 8.65, 8.65); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.258 mW/g

Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 39.306 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 1.585 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.688 mW/g
 Maximum value of SAR (measured) = 1.282 mW/g



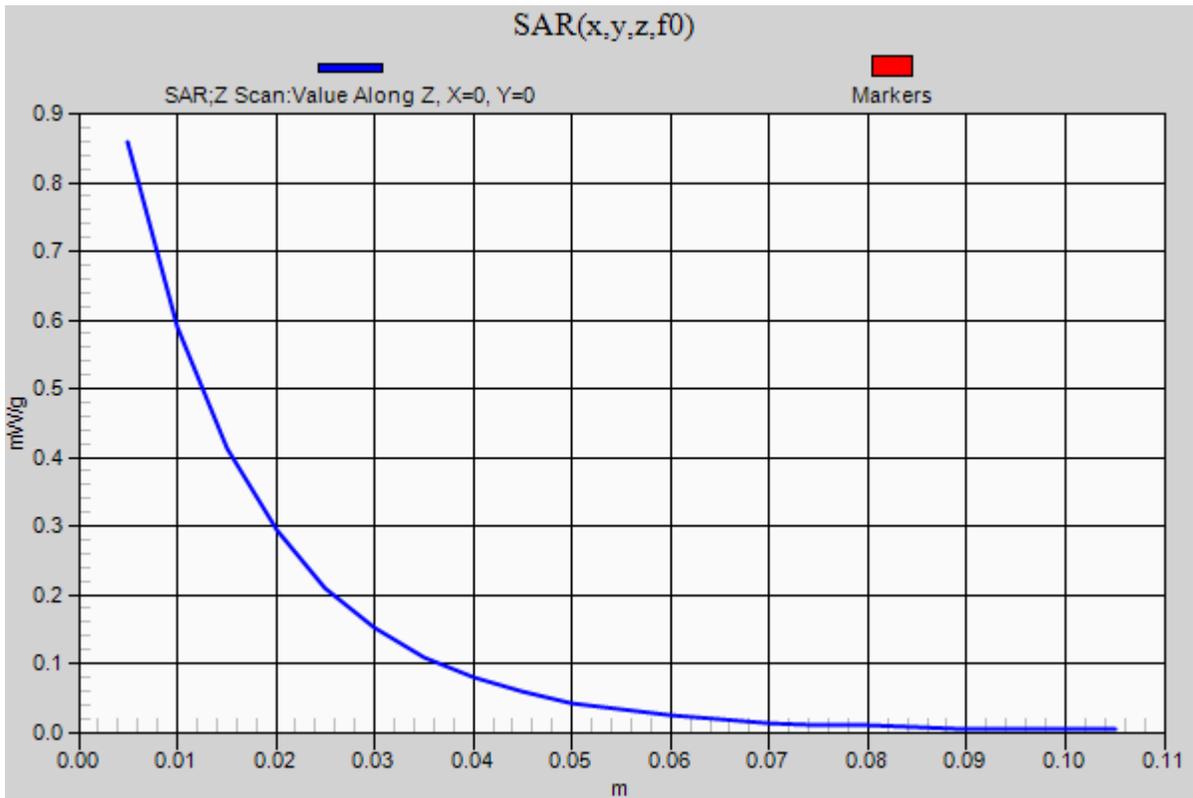
0 dB = 1.280mW/g

Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.859 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.494$ mho/m; $\epsilon_r = 52.829$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.921 mW/g

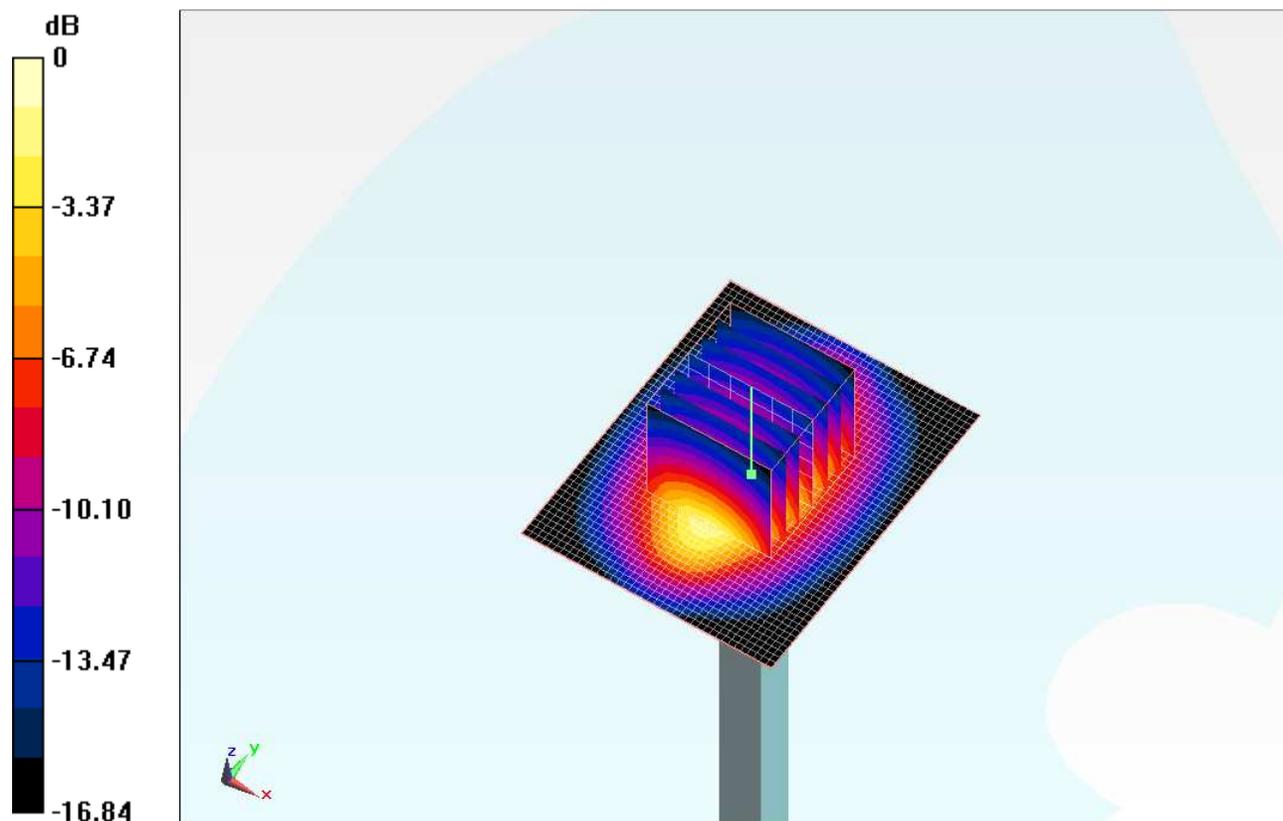
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.832 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.579 W/kg

SAR(1 g) = 4.16 mW/g; SAR(10 g) = 2.18 mW/g

Maximum value of SAR (measured) = 5.599 mW/g



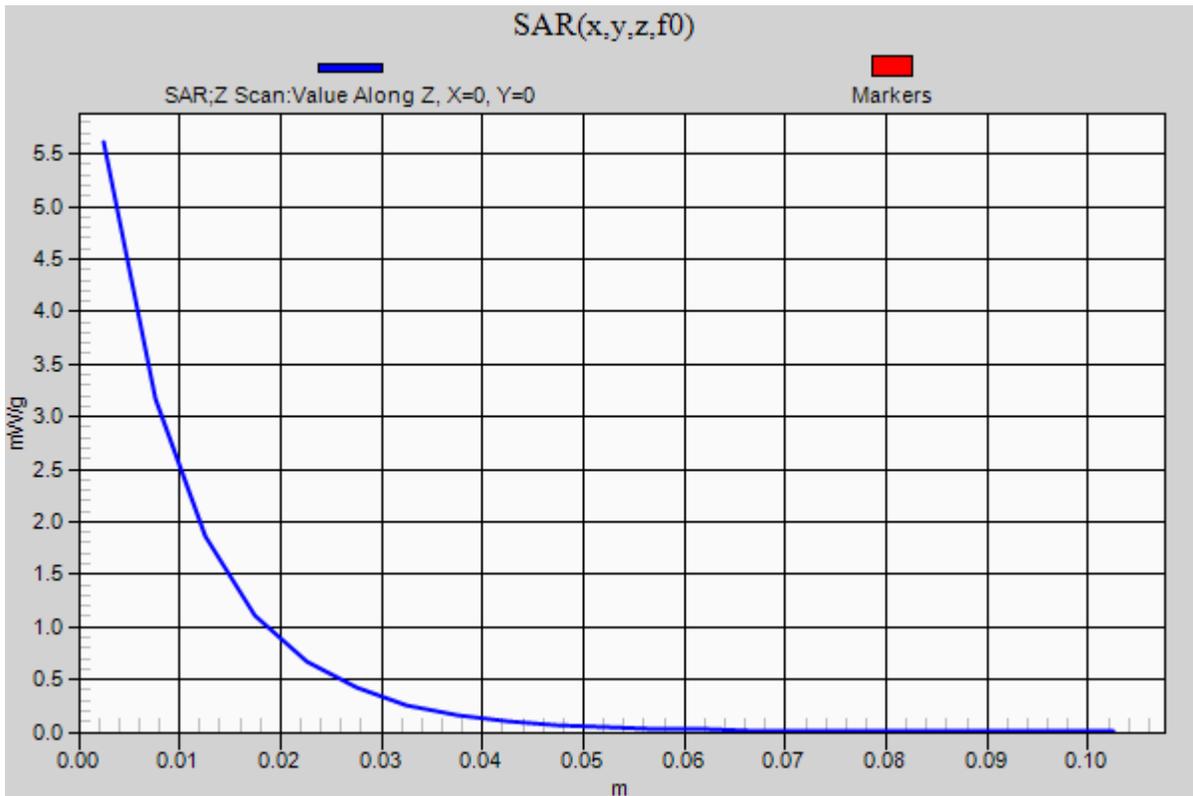
0 dB = 5.600mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.612 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.414$ mho/m; $\epsilon_r = 40.374$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.888 mW/g

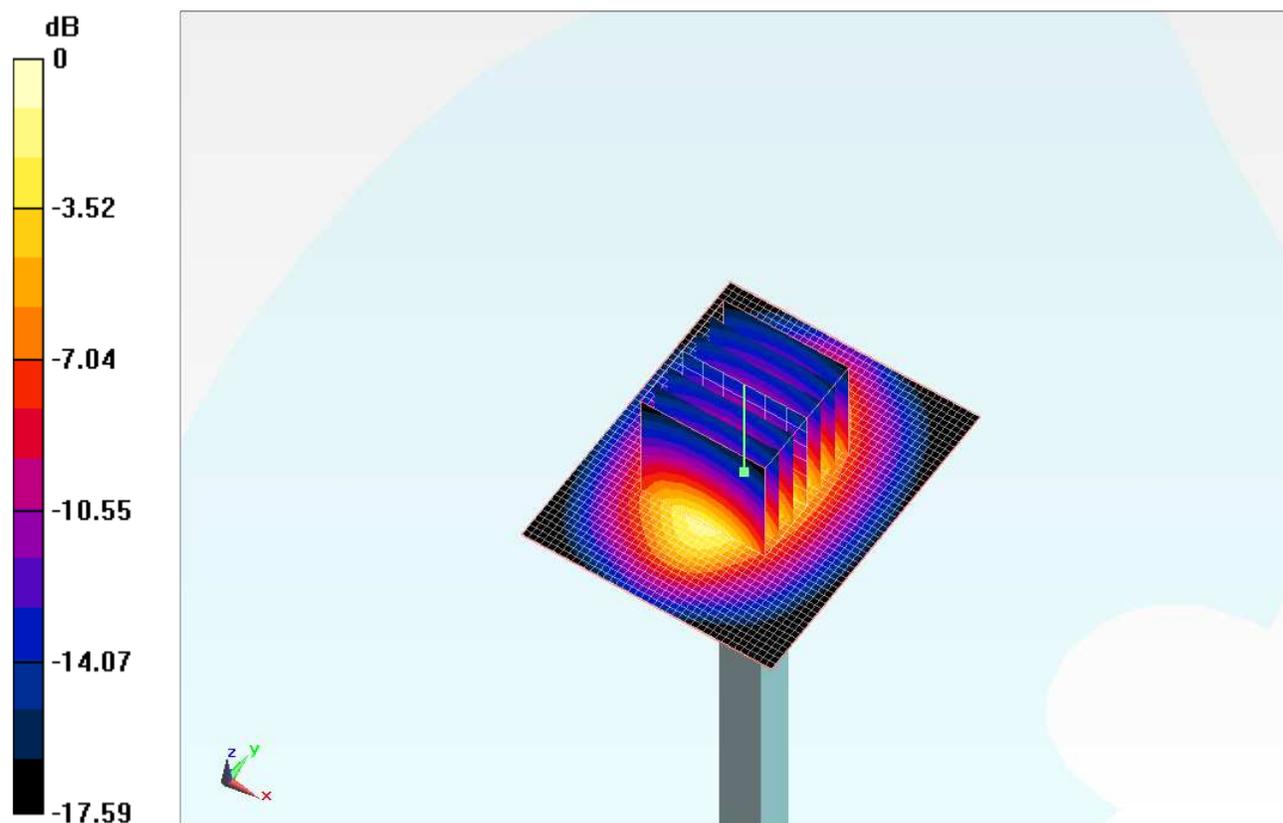
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.888 V/m; Power Drift = 0.0084 dB

Peak SAR (extrapolated) = 7.730 W/kg

SAR(1 g) = 4.09 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (measured) = 5.583 mW/g



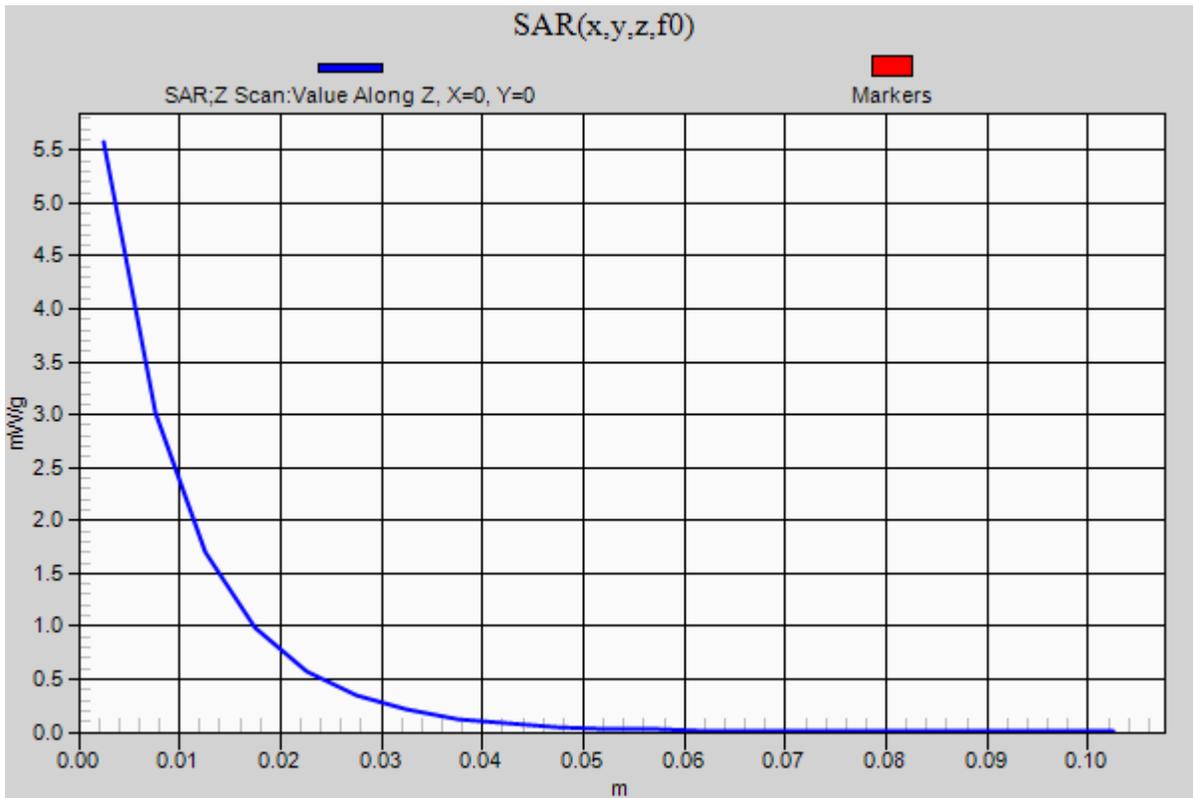
0 dB = 5.580mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.576 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.305$ mho/m; $\epsilon_r = 40.334$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

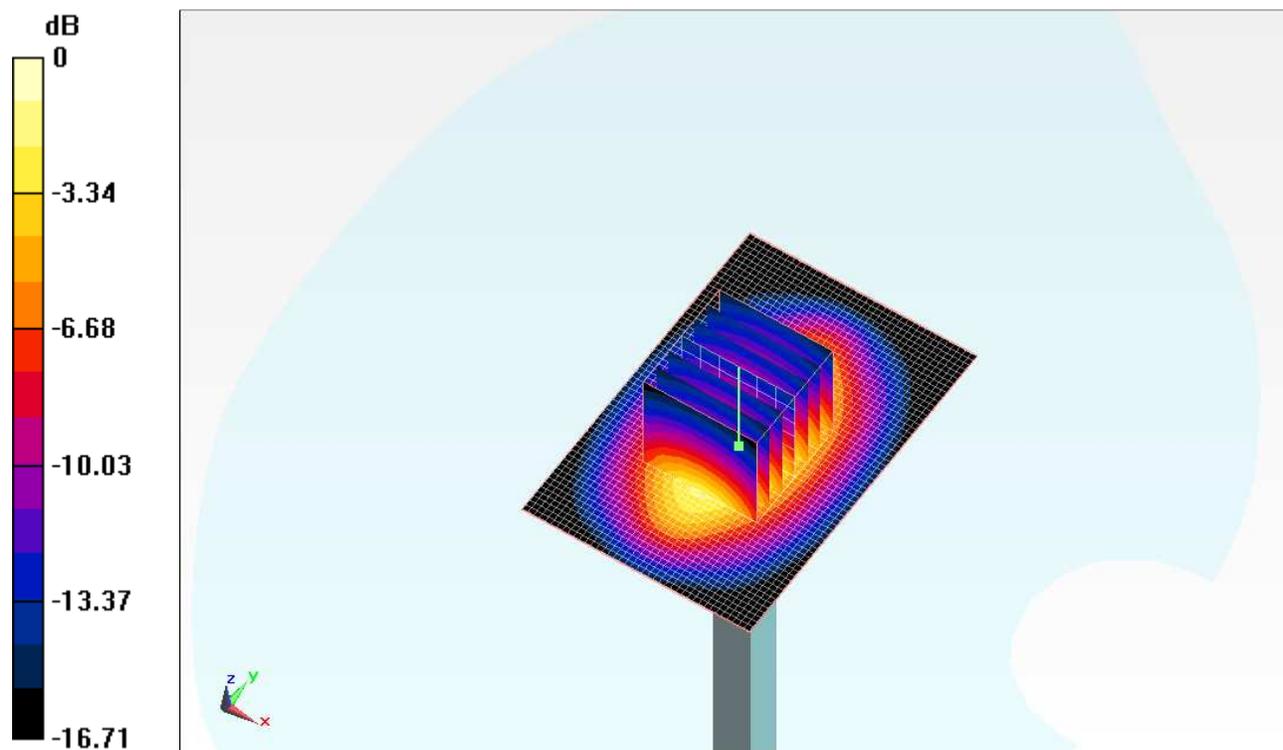
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW 2/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 4.934 mW/g

Head/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 61.345 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 6.603 W/kg
SAR(1 g) = 3.6 mW/g; SAR(10 g) = 1.91 mW/g
 Maximum value of SAR (measured) = 4.823 mW/g



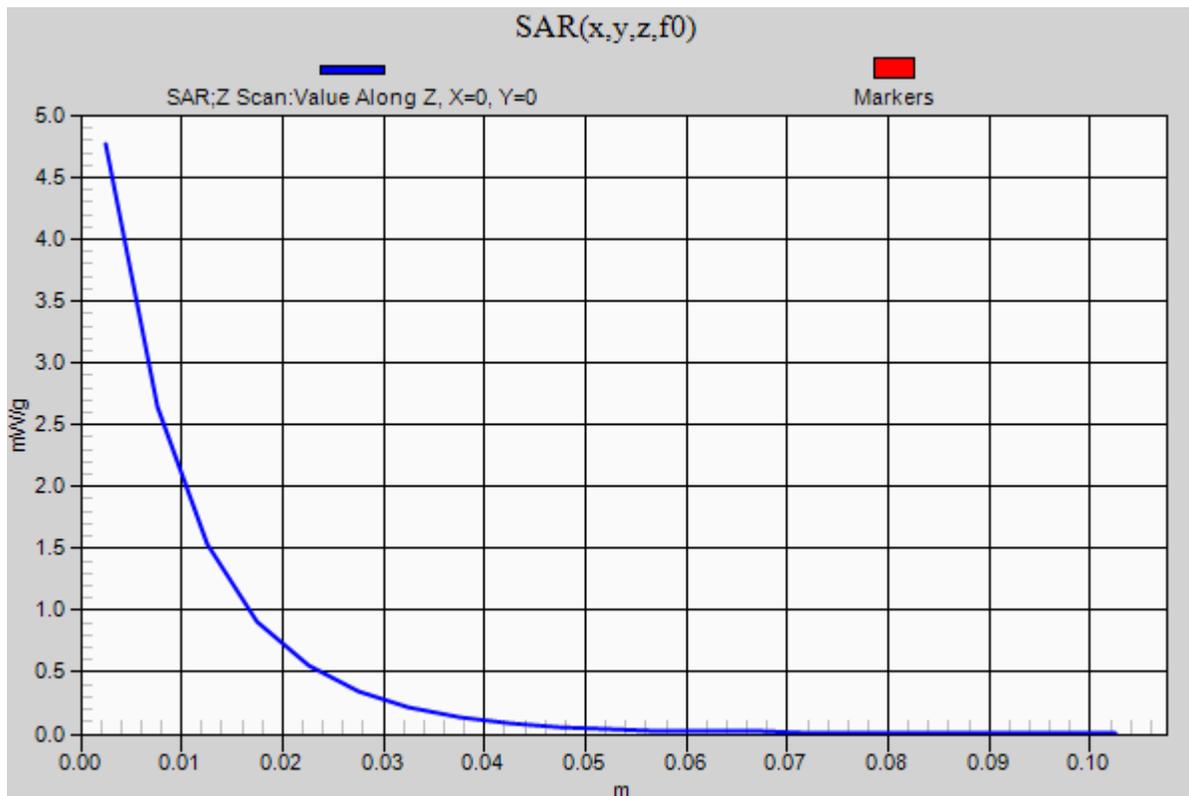
0 dB = 4.820mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.769 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 53.663$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.997 mW/g

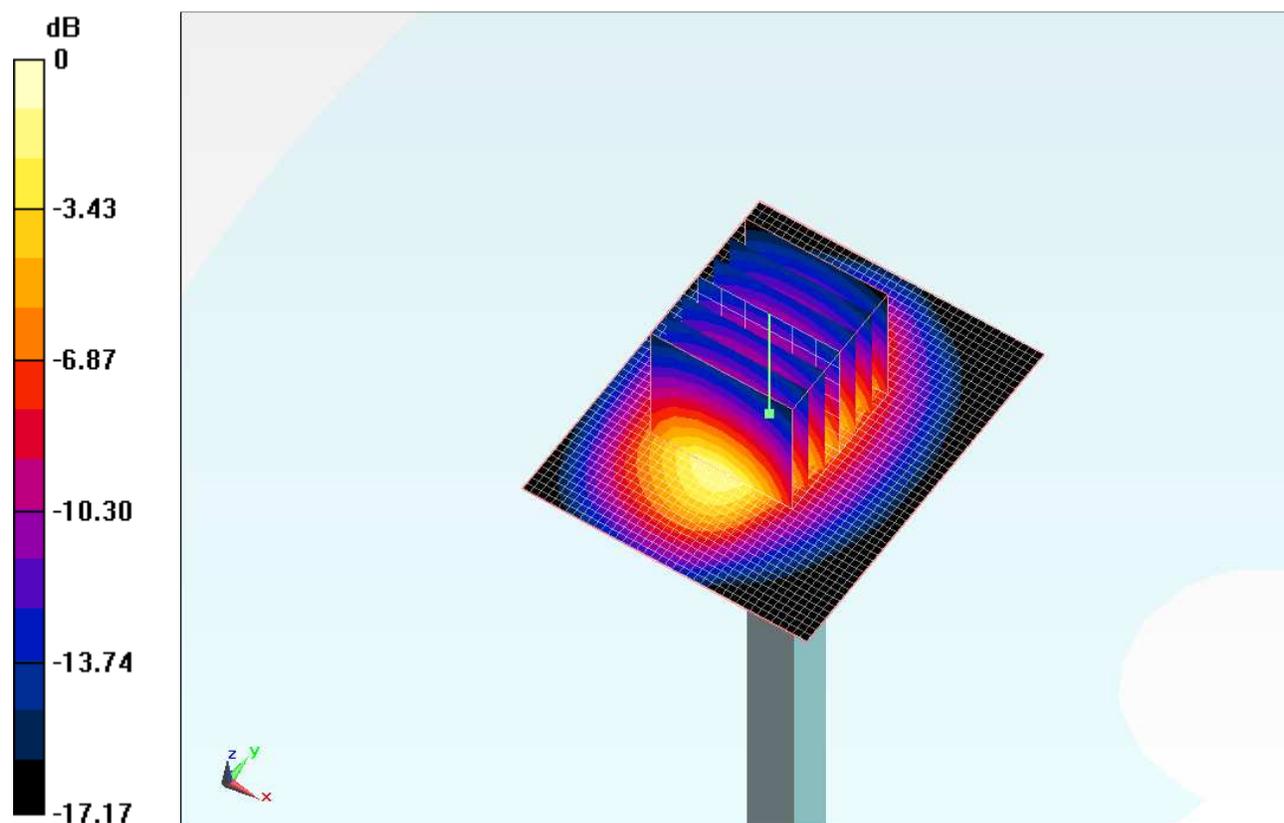
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.837 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.769 W/kg

SAR(1 g) = 4.28 mW/g; SAR(10 g) = 2.24 mW/g

Maximum value of SAR (measured) = 5.738 mW/g



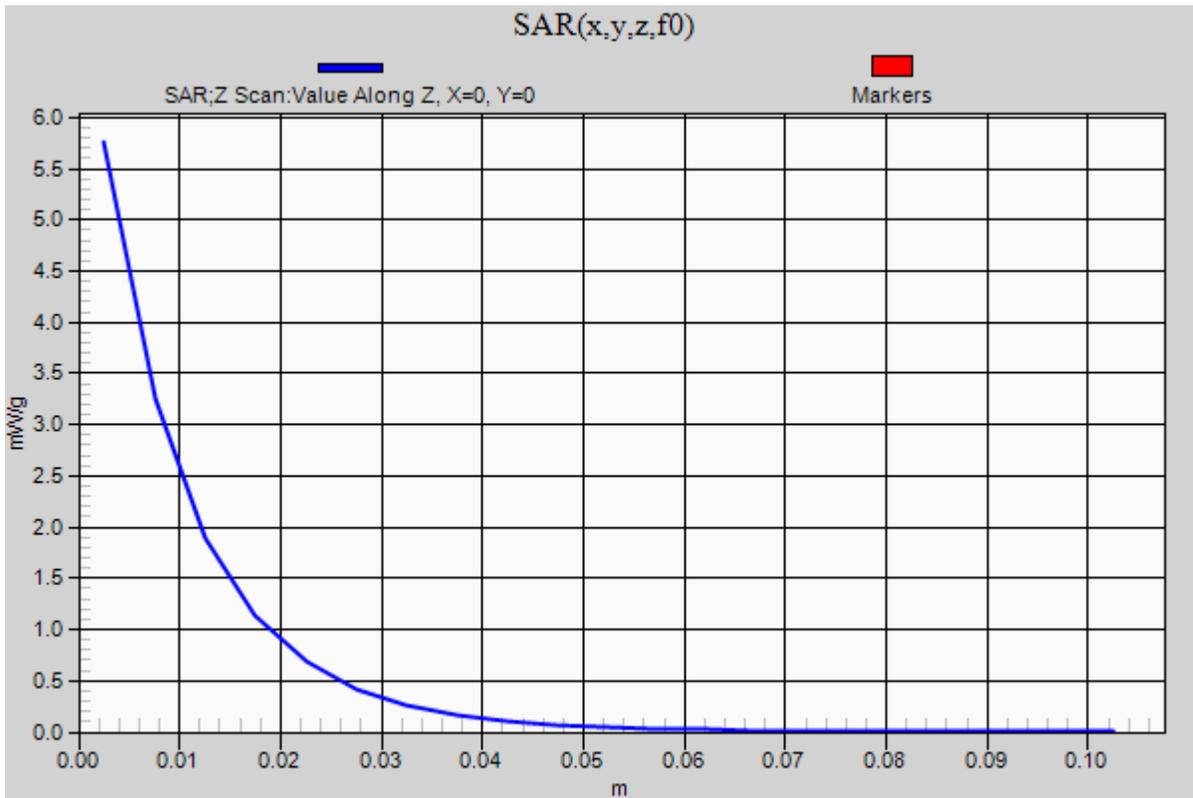
0 dB = 5.740mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.757 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.326$ mho/m; $\epsilon_r = 40.652$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

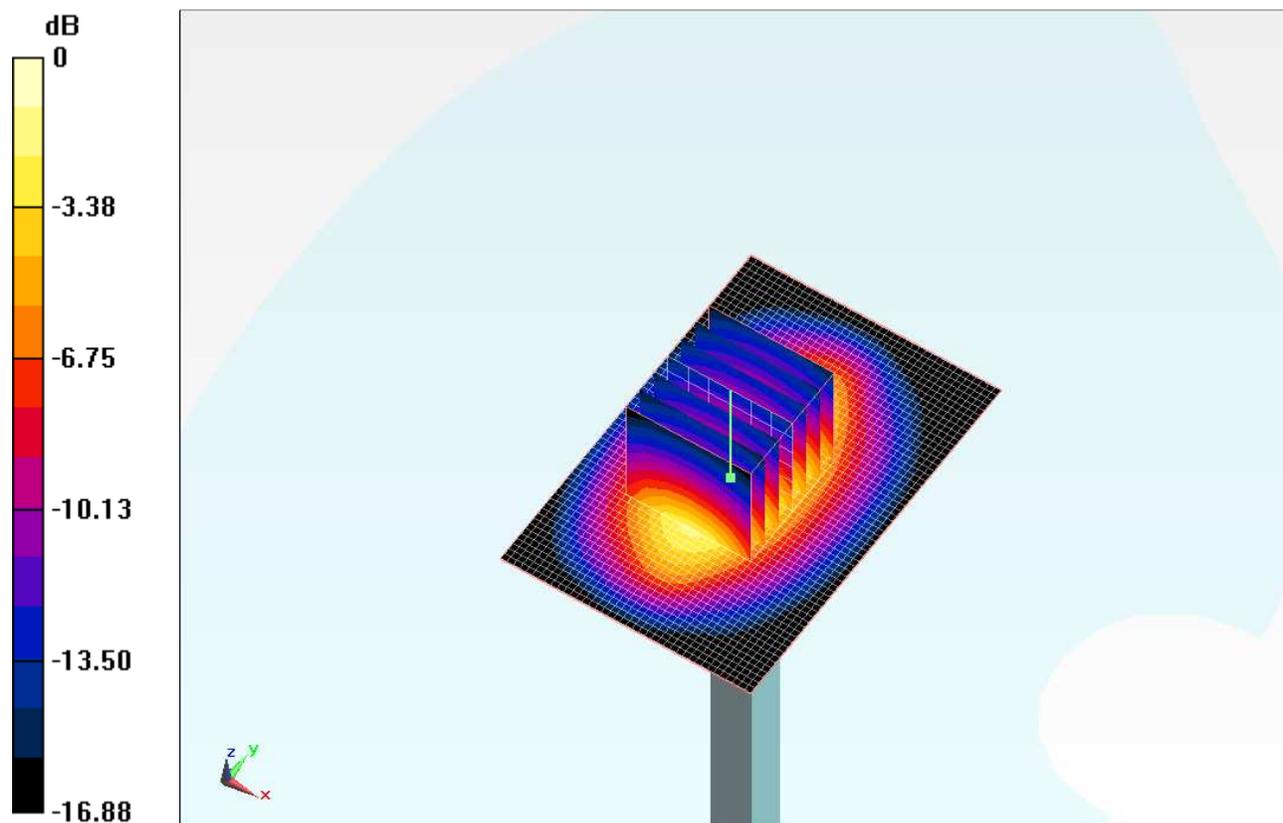
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 4.888 mW/g

Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 59.671 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 6.612 W/kg
SAR(1 g) = 3.6 mW/g; SAR(10 g) = 1.91 mW/g
 Maximum value of SAR (measured) = 4.820 mW/g



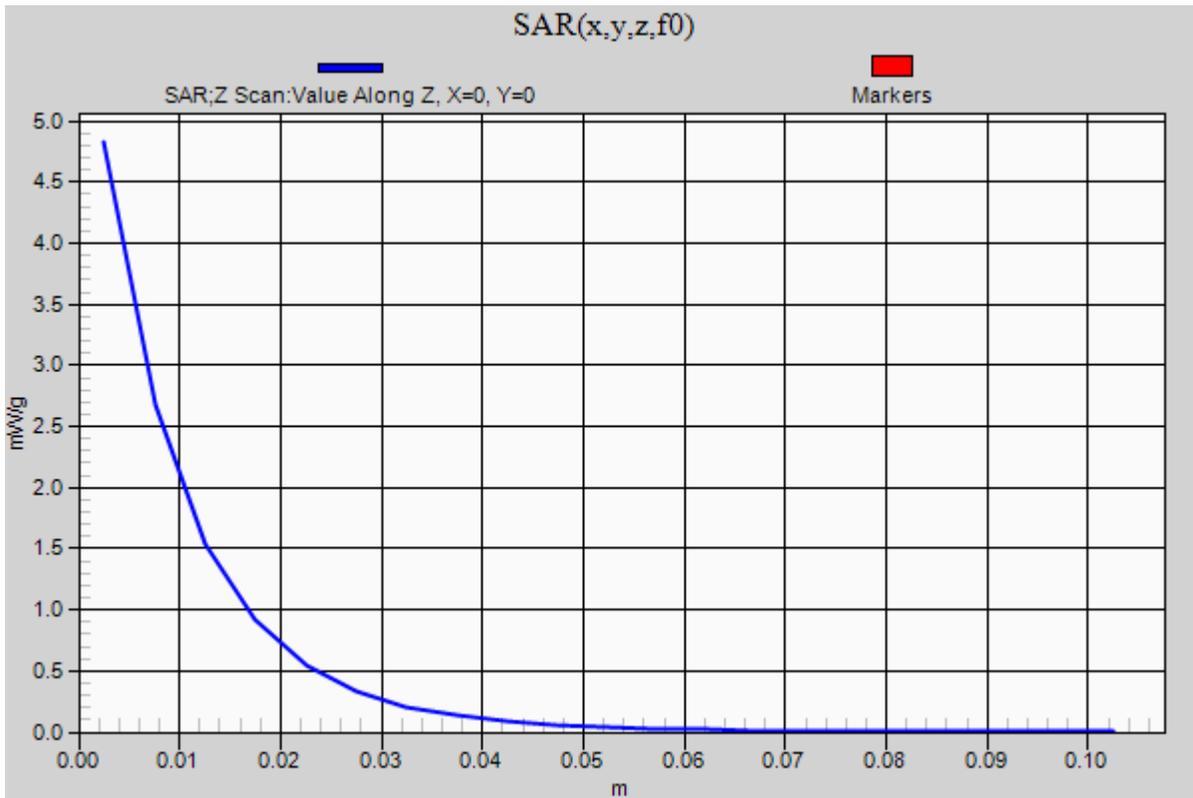
0 dB = 4.820mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.826 mW/g



Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 55.387$; $\rho = 1000$ 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 - SN3686; ConvF(8.78, 8.78, 8.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.247 mW/g

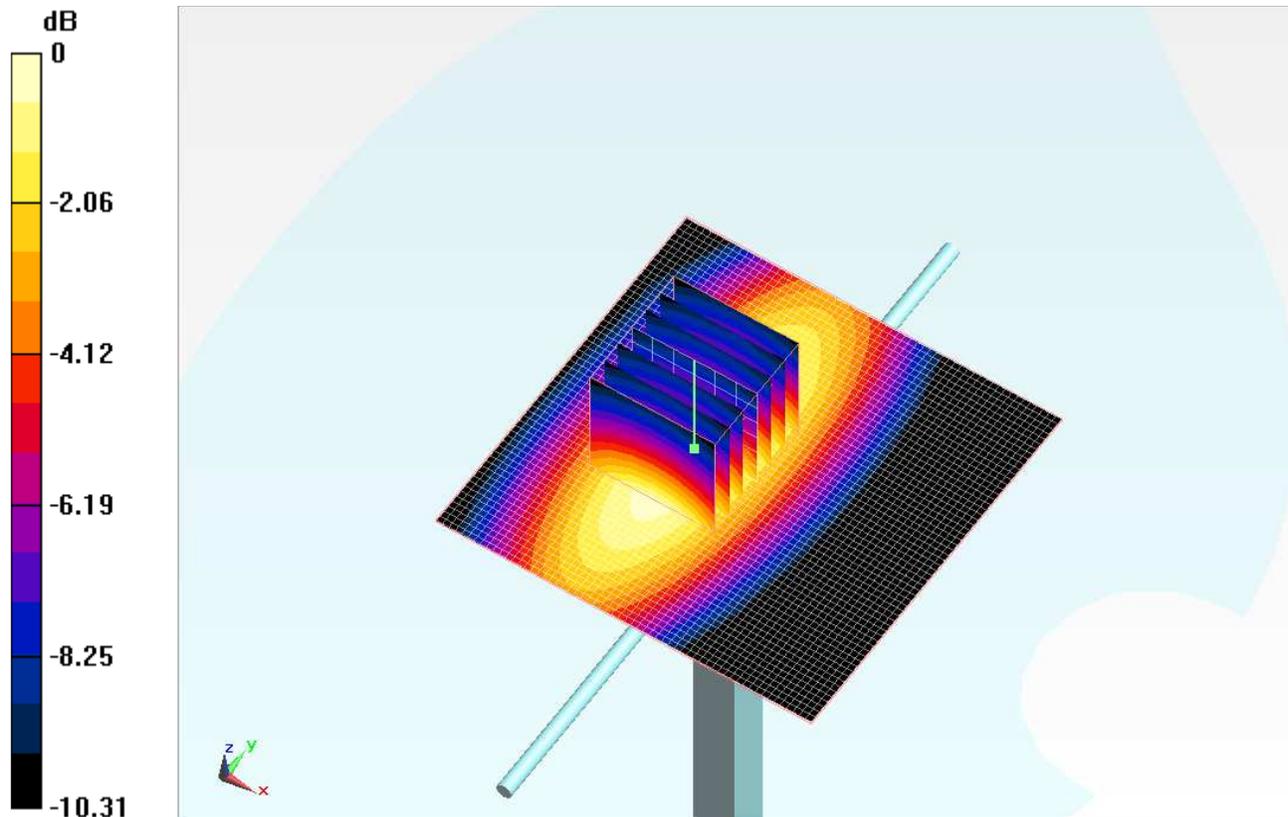
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.895 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.557 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.684 mW/gInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.264 mW/g



0 dB = 1.260mW/g

Test Laboratory: UL CCS SAR Lab A

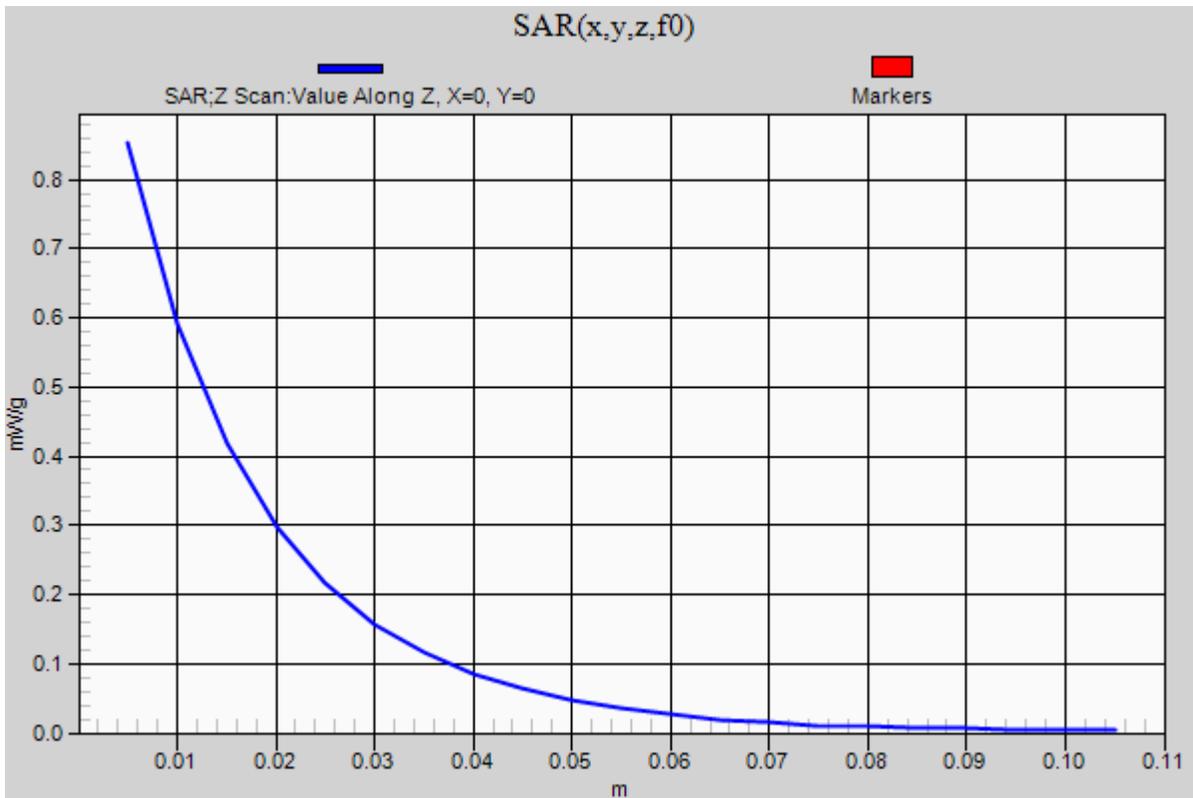
SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 0.853 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.376$ mho/m; $\epsilon_r = 40.997$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.536 mW/g

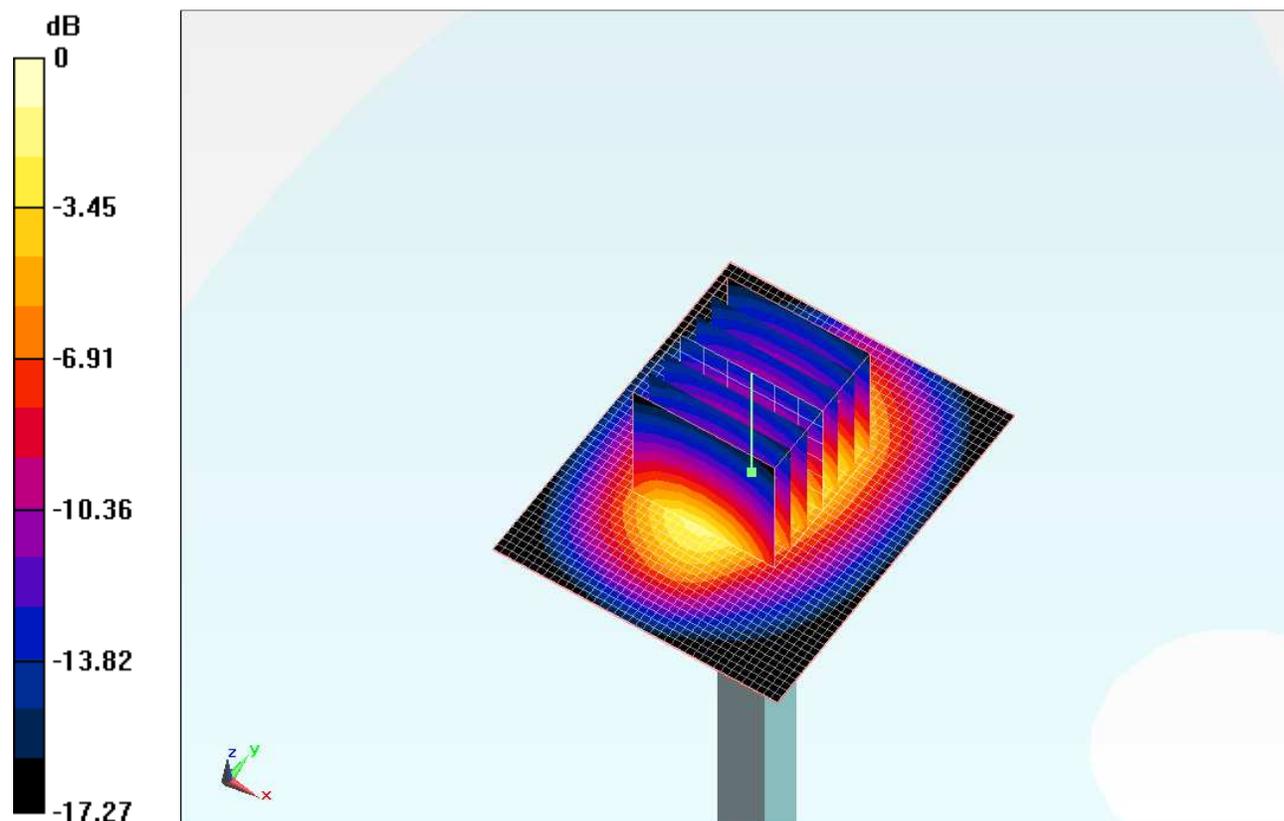
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.585 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 7.212 W/kg

SAR(1 g) = 3.89 mW/g; SAR(10 g) = 2.04 mW/g

Maximum value of SAR (measured) = 5.242 mW/g



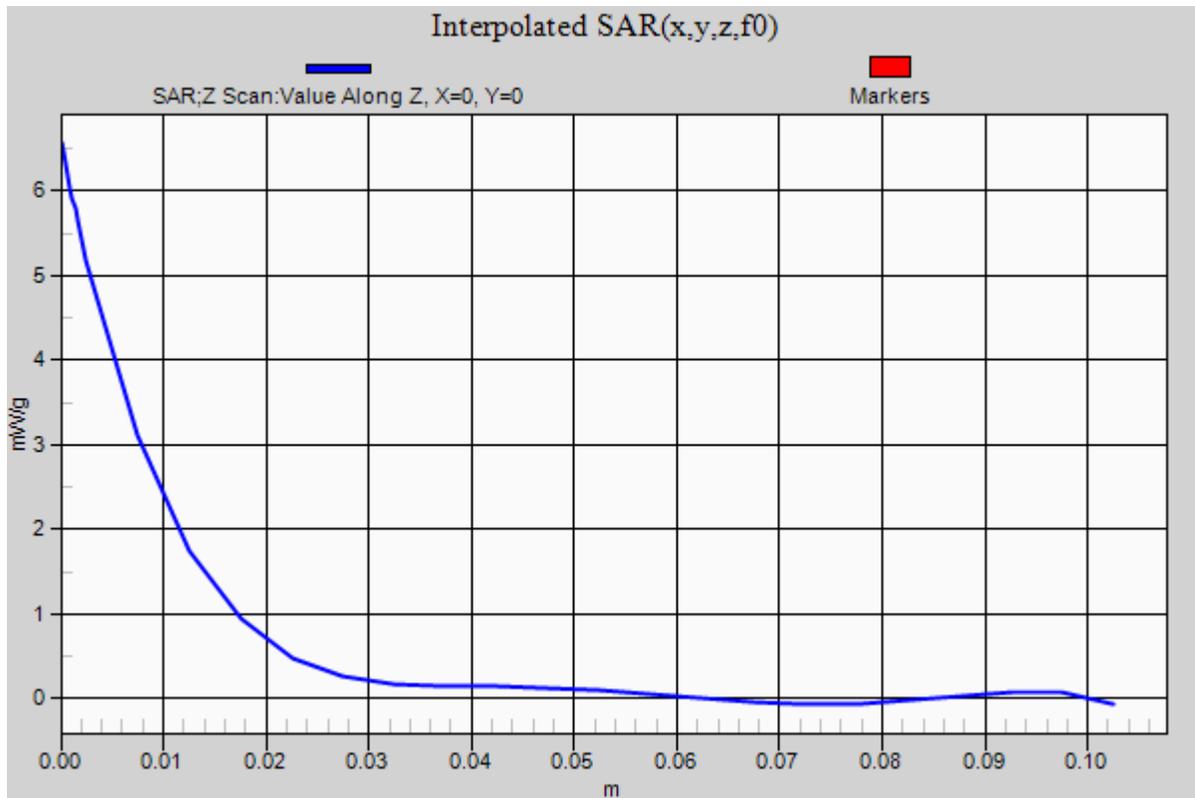
0 dB = 5.240mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x32): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (interpolated) = 6.585 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.428$ mho/m; $\epsilon_r = 53.57$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

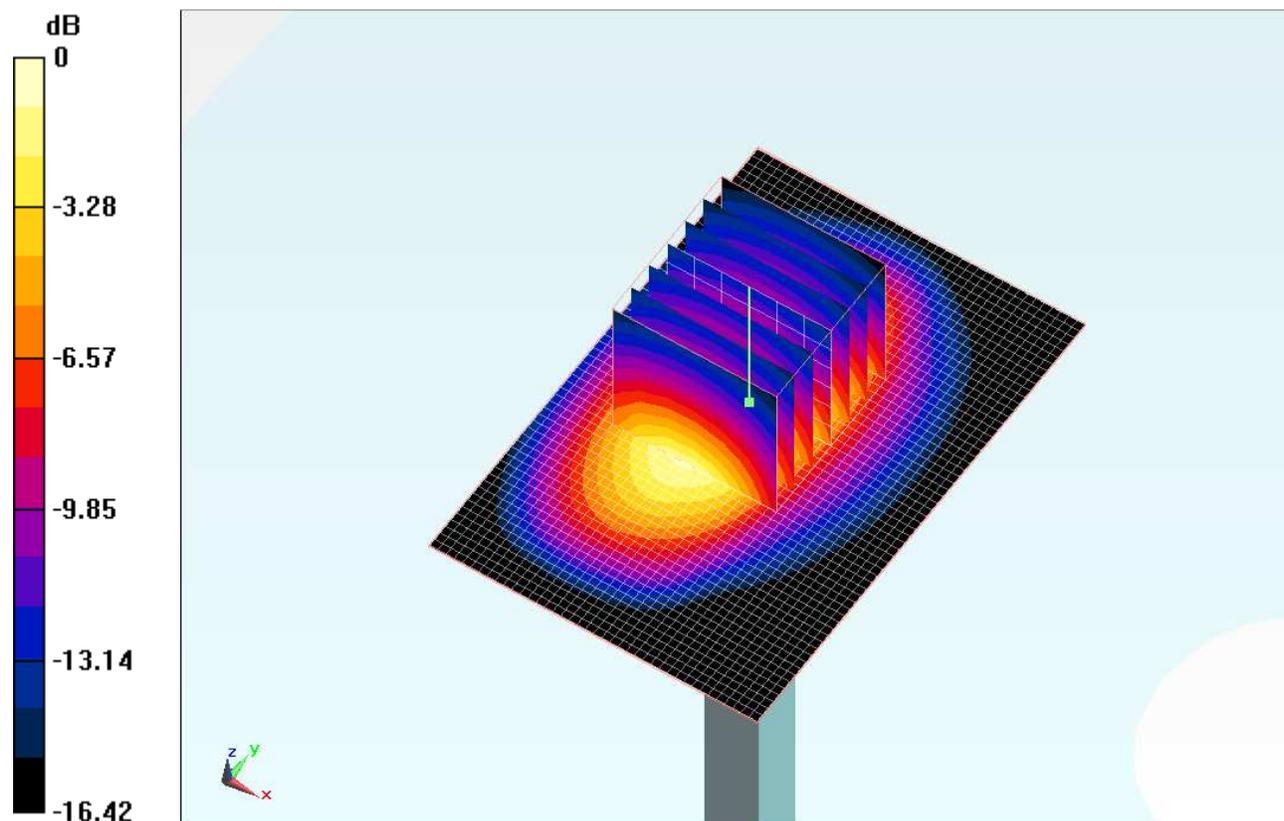
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 5.137 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 52.206 V/m; Power Drift = 0.13 dB
 Peak SAR (extrapolated) = 6.683 W/kg
SAR(1 g) = 3.72 mW/g; SAR(10 g) = 1.98 mW/g
 Maximum value of SAR (measured) = 4.954 mW/g



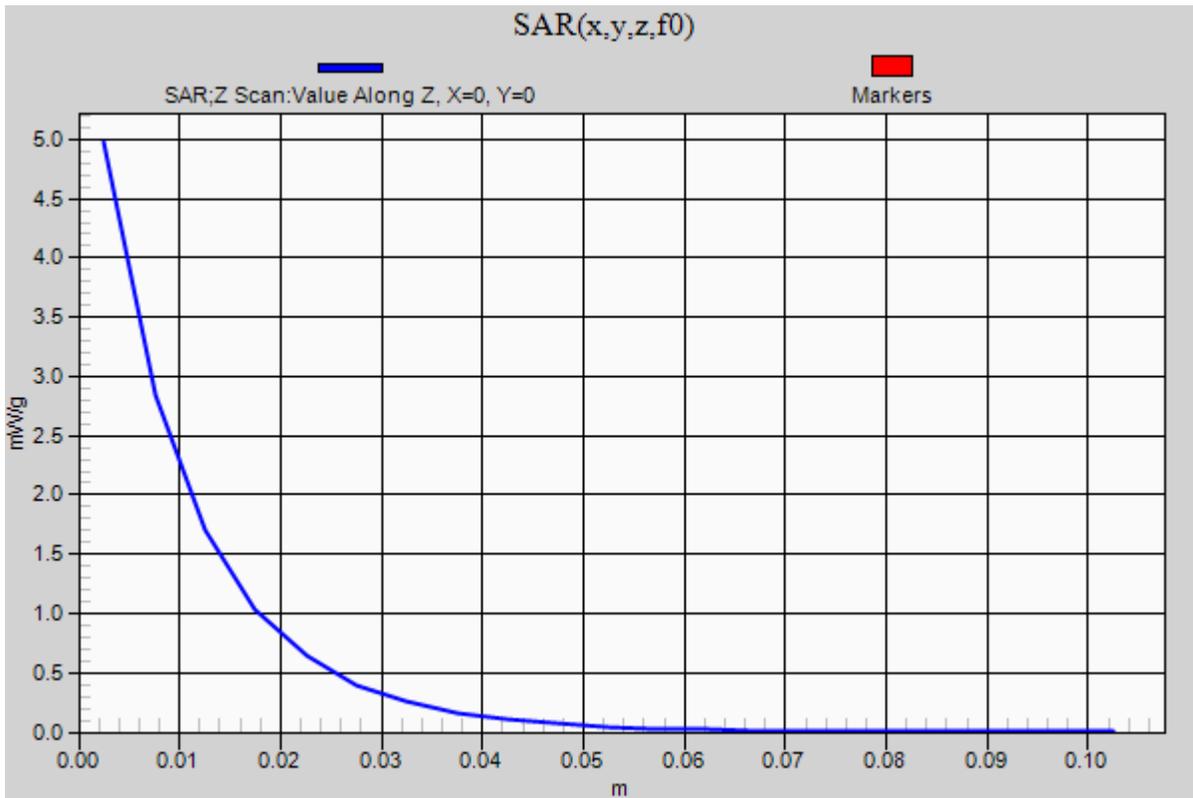
0 dB = 4.950mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.976 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 54.315$; $\rho = 1000$ 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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.165 mW/g

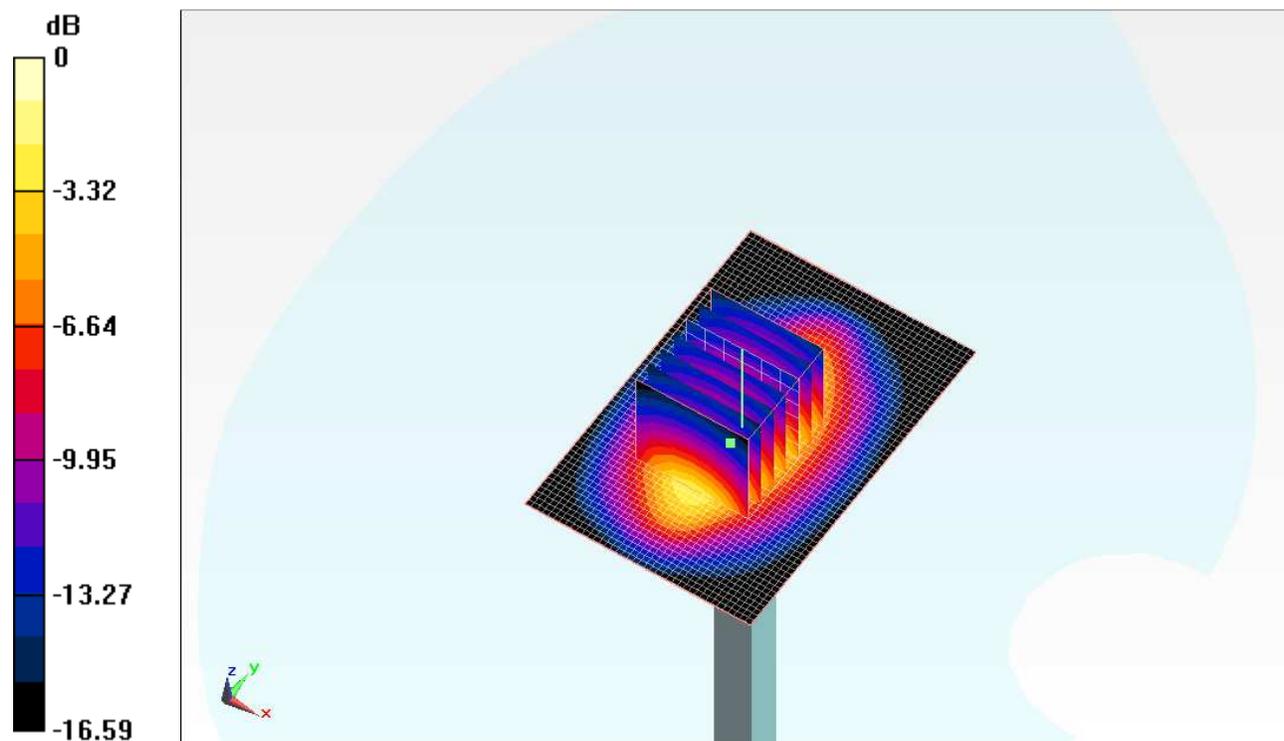
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.066 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.724 W/kg

SAR(1 g) = 3.75 mW/g; SAR(10 g) = 2 mW/g

Maximum value of SAR (measured) = 4.977 mW/g



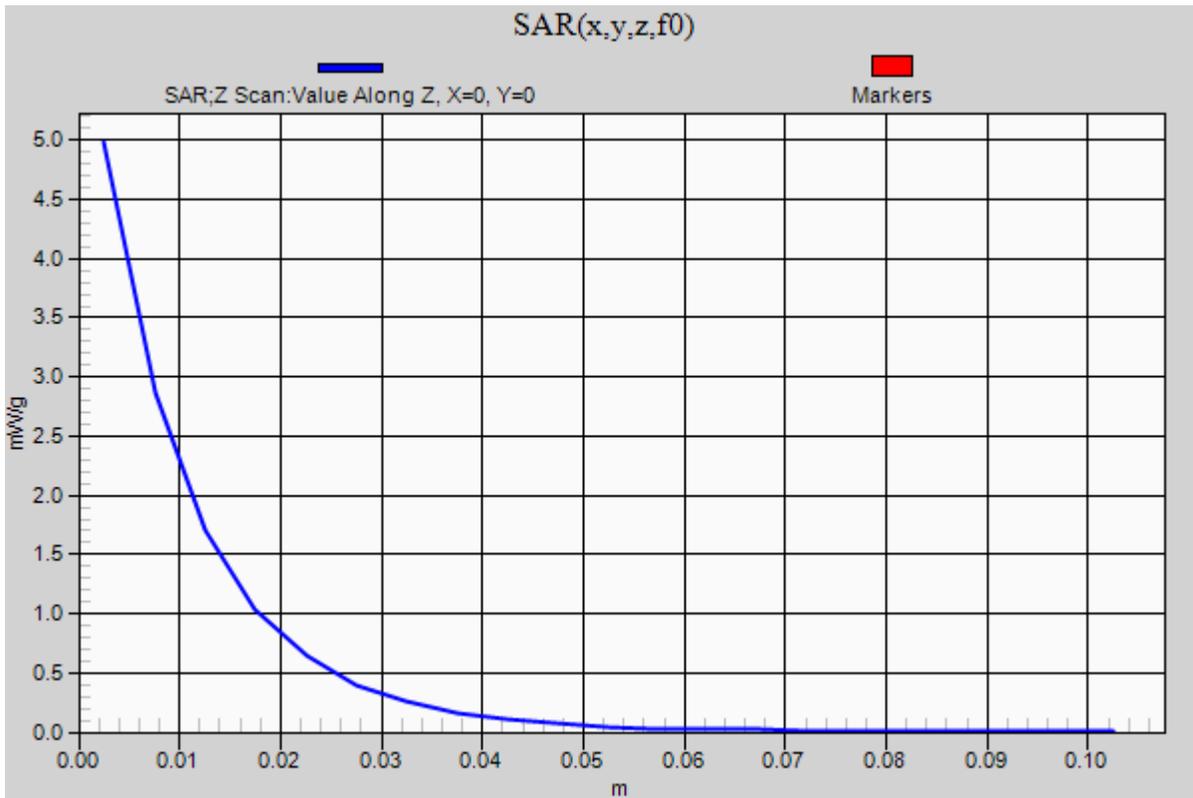
0 dB = 4.980mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.983 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.347$ mho/m; $\epsilon_r = 40.272$; $\rho = 1000$ 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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.829 mW/g

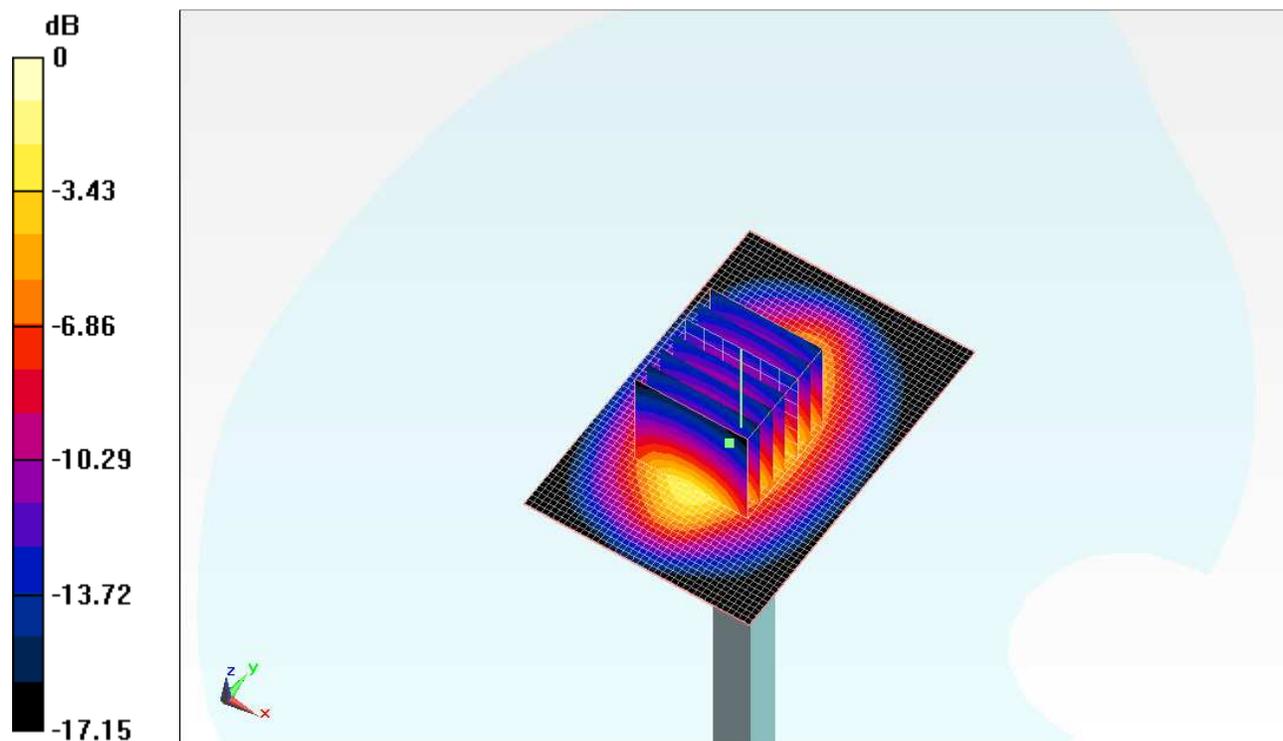
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.859 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.433 W/kg

SAR(1 g) = 3.52 mW/g; SAR(10 g) = 1.88 mW/g

Maximum value of SAR (measured) = 4.734 mW/g



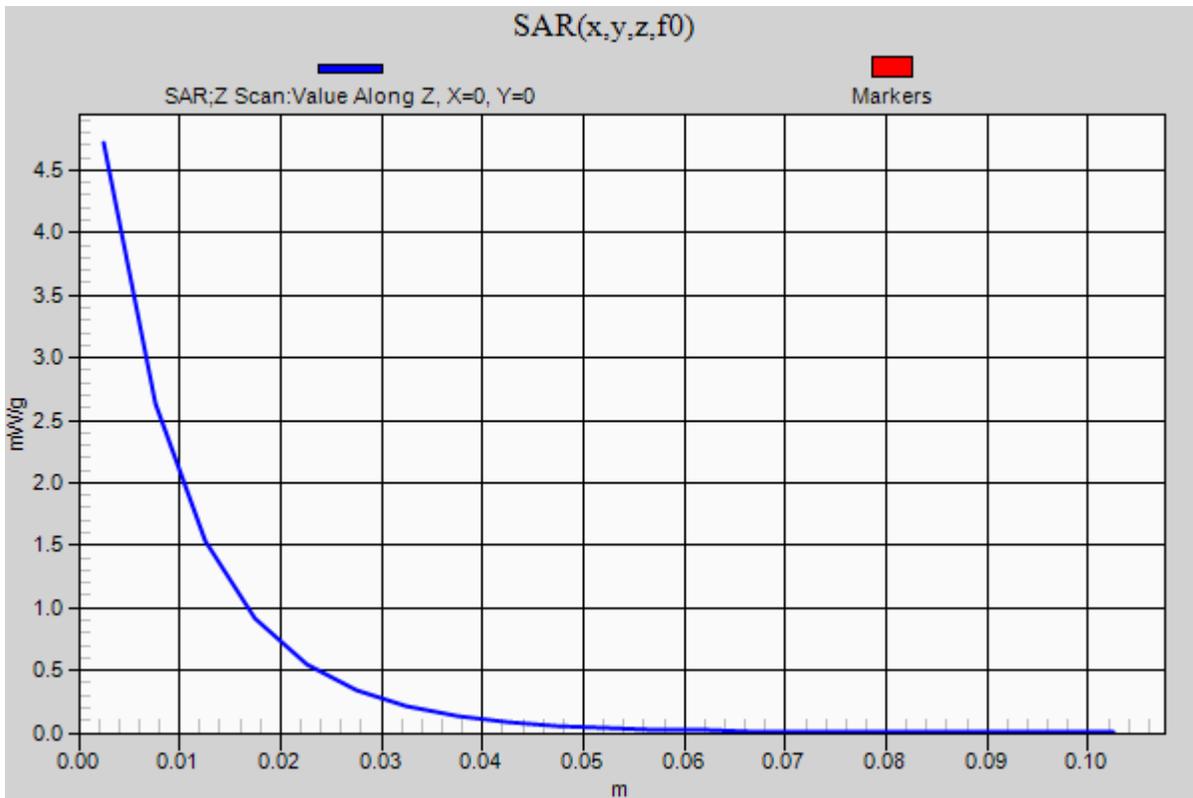
0 dB = 4.730mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.717 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.465$ mho/m; $\epsilon_r = 53.557$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

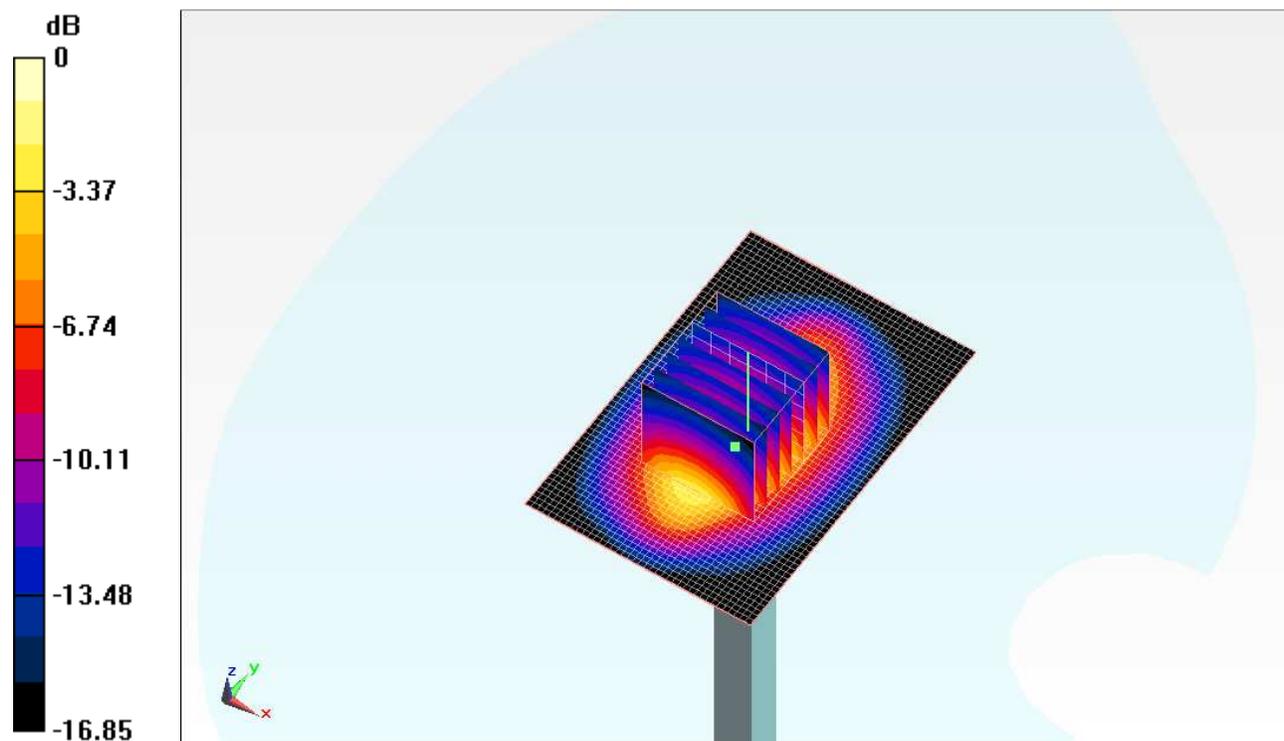
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 4.962 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 57.807 V/m; Power Drift = -0.0039 dB
 Peak SAR (extrapolated) = 6.502 W/kg
SAR(1 g) = 3.61 mW/g; SAR(10 g) = 1.92 mW/g
 Maximum value of SAR (measured) = 4.827 mW/g



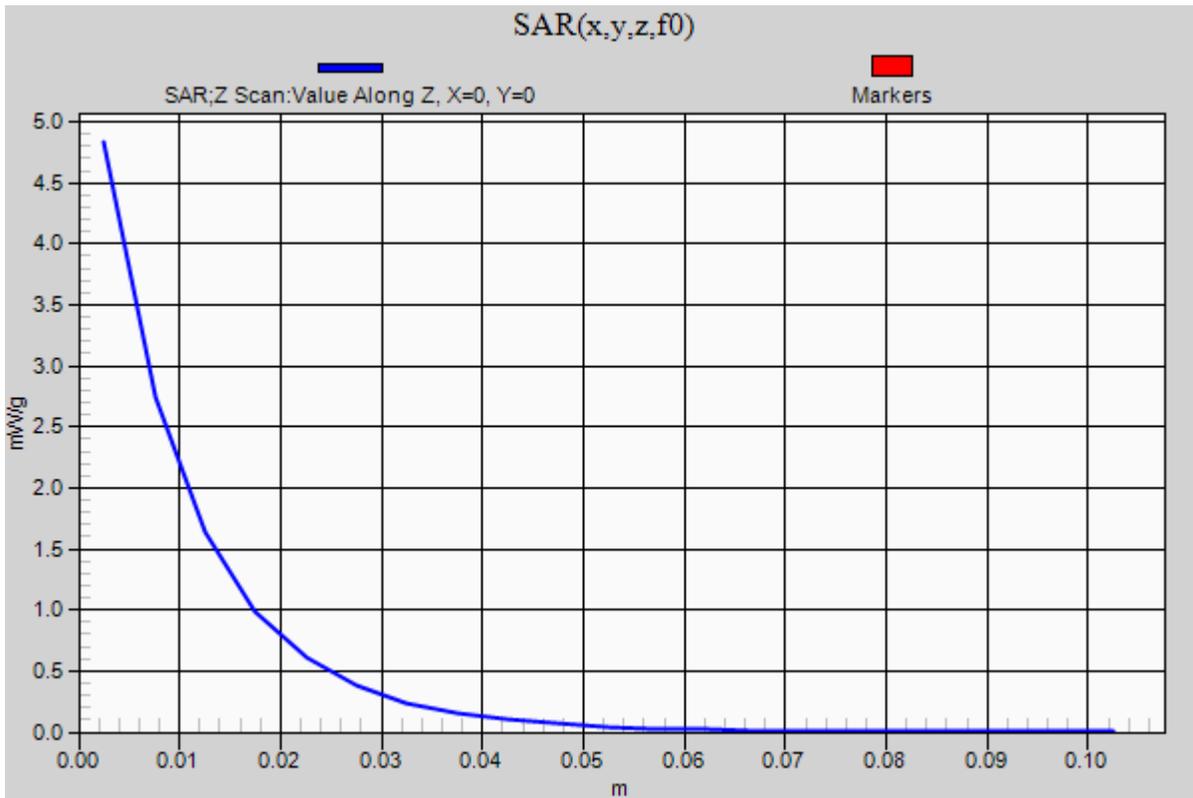
0 dB = 4.830mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.832 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.492$ mho/m; $\epsilon_r = 52.975$; $\rho = 1000$ 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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.086 mW/g

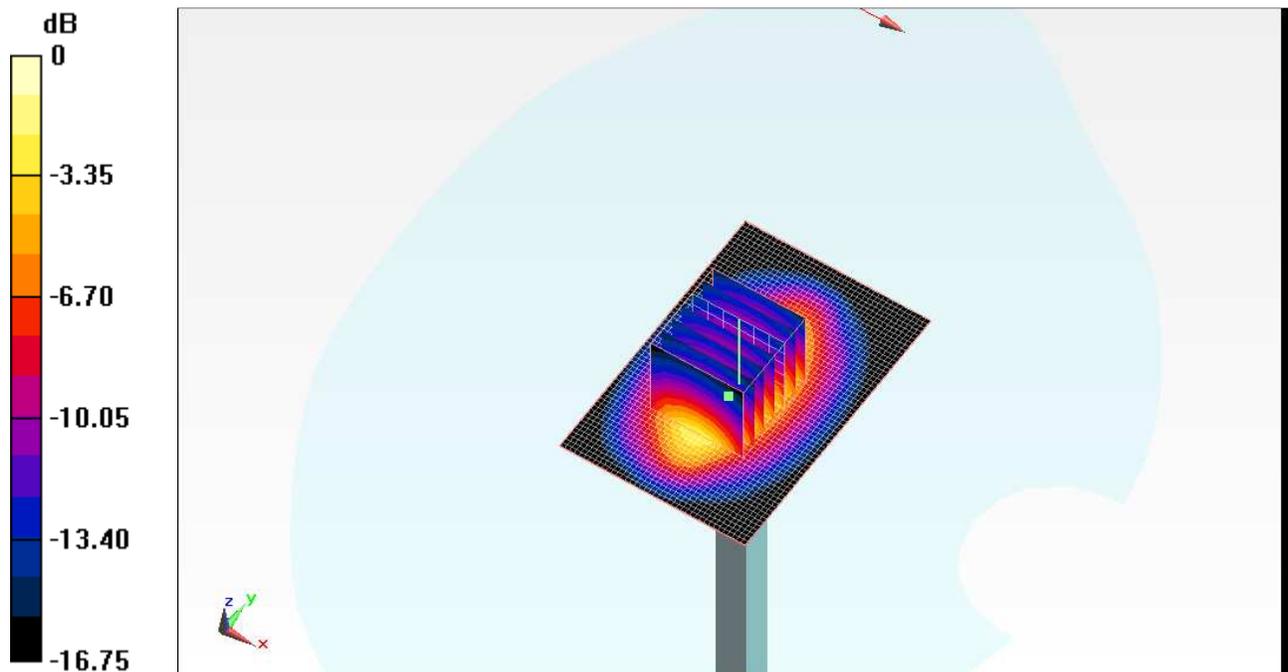
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.563 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.674 W/kg

SAR(1 g) = 3.69 mW/g; SAR(10 g) = 1.96 mW/g

Maximum value of SAR (measured) = 4.937 mW/g



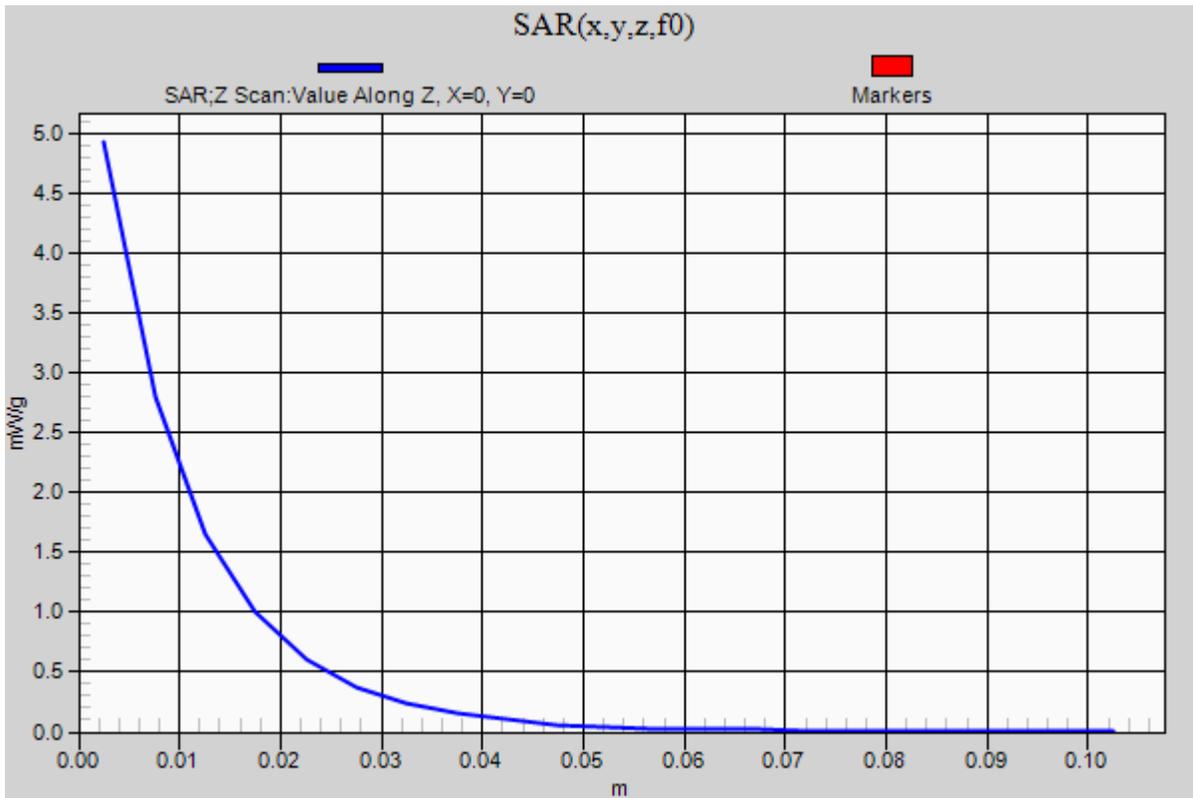
0 dB = 4.940mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.924 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 52.515$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

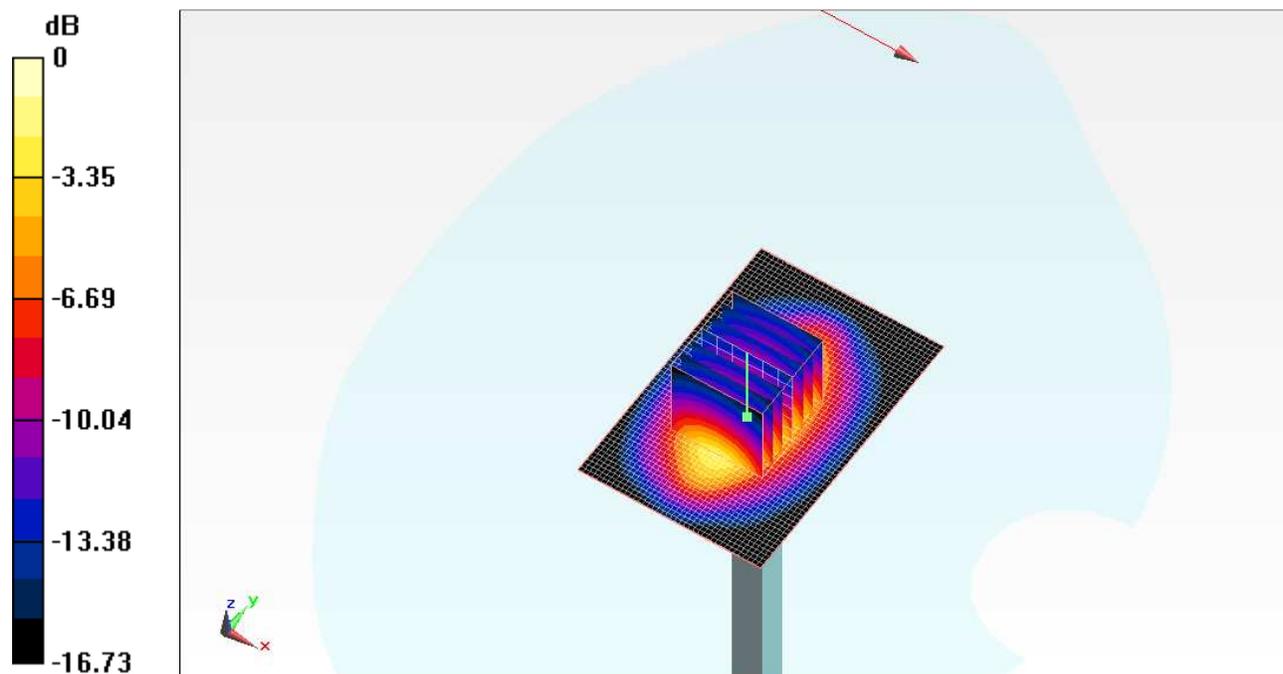
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 5.321 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 59.451 V/m; Power Drift = -0.0069 dB
 Peak SAR (extrapolated) = 7.061 W/kg
SAR(1 g) = 3.88 mW/g; SAR(10 g) = 2.05 mW/g
 Maximum value of SAR (measured) = 5.204 mW/g



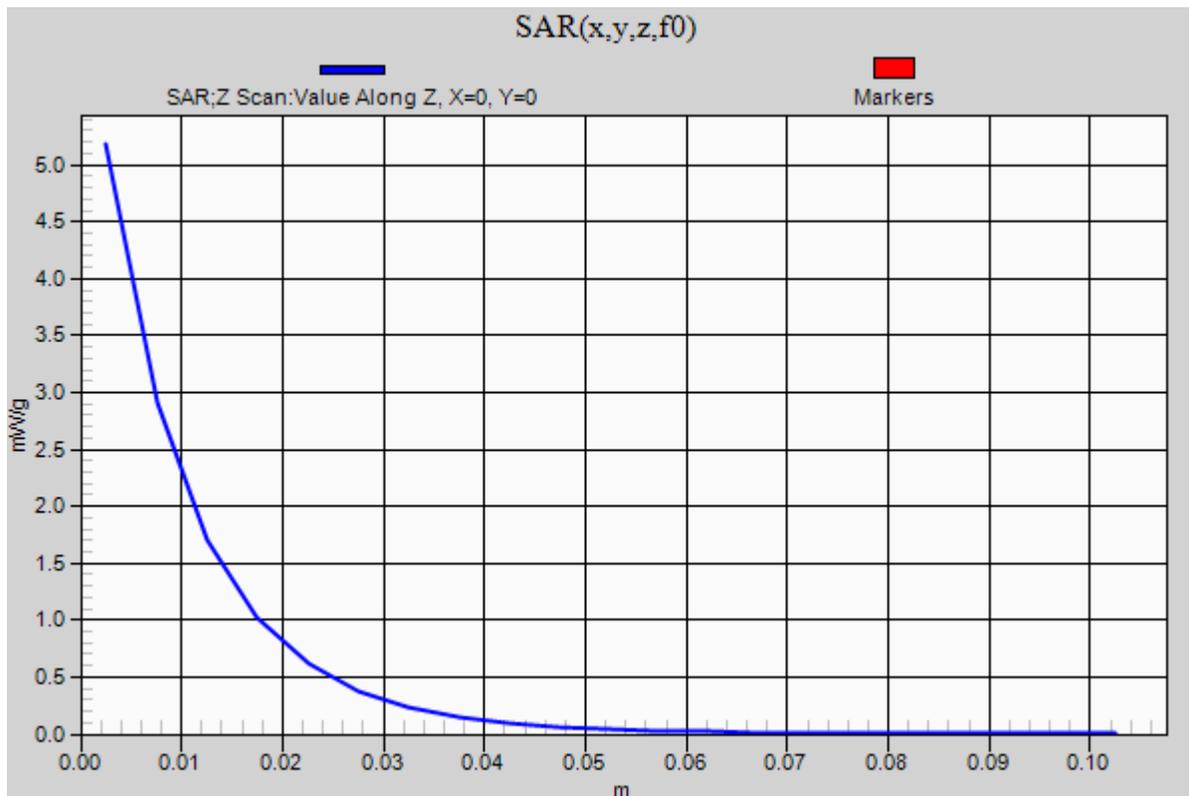
0 dB = 5.200mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.181 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.802$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

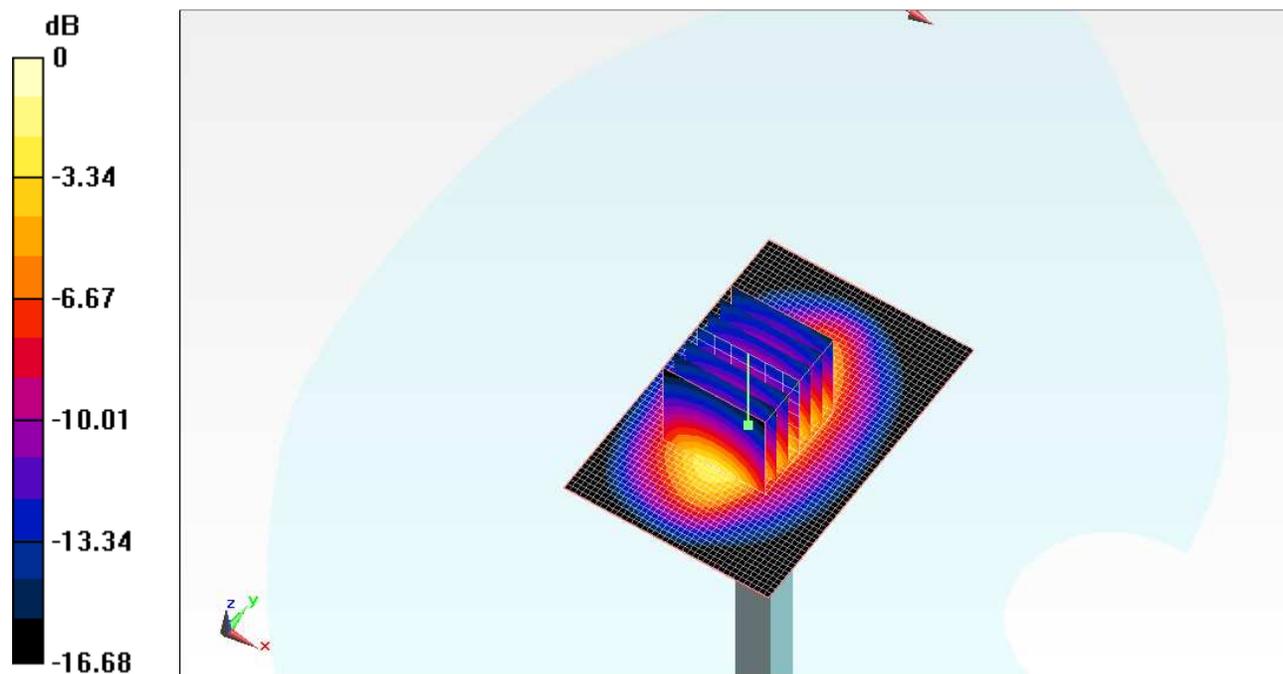
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 5.445 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 58.754 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 7.202 W/kg
SAR(1 g) = 3.97 mW/g; SAR(10 g) = 2.1 mW/g
 Maximum value of SAR (measured) = 5.294 mW/g



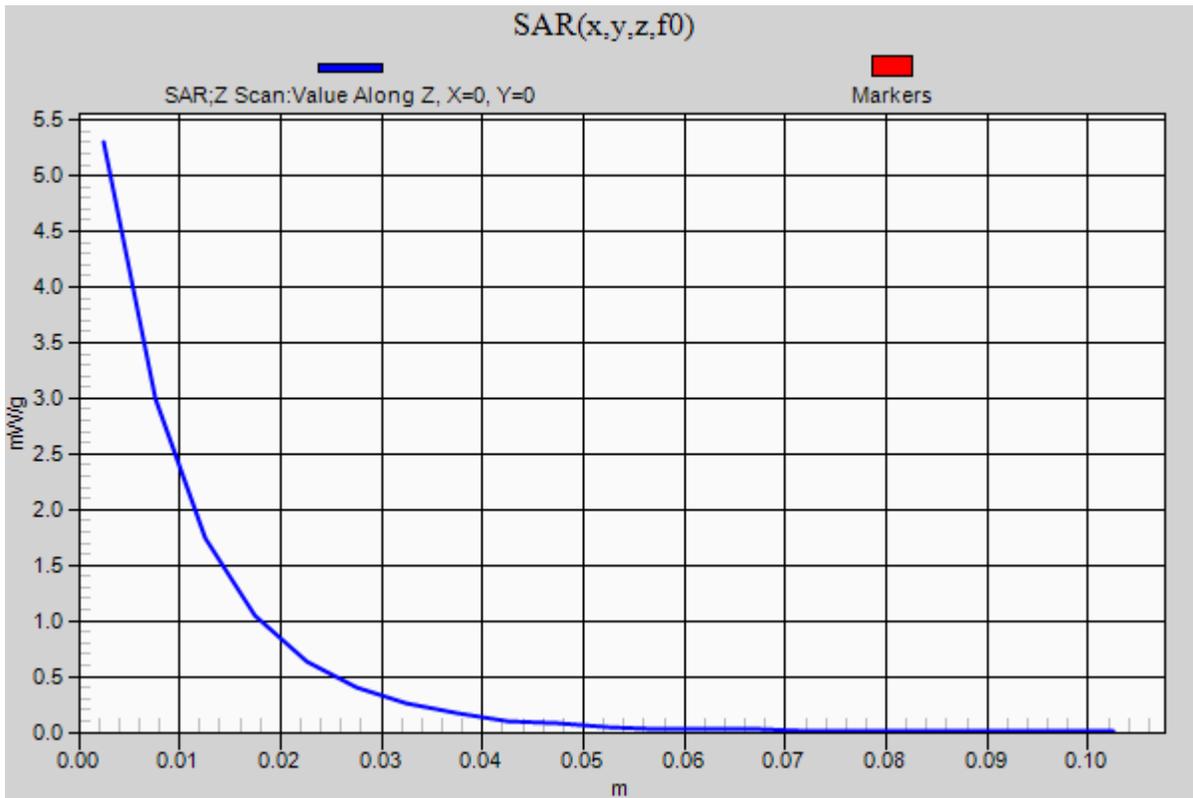
0 dB = 5.290mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.300 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.348$ mho/m; $\epsilon_r = 40.197$; $\rho = 1000$ 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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.143 mW/g

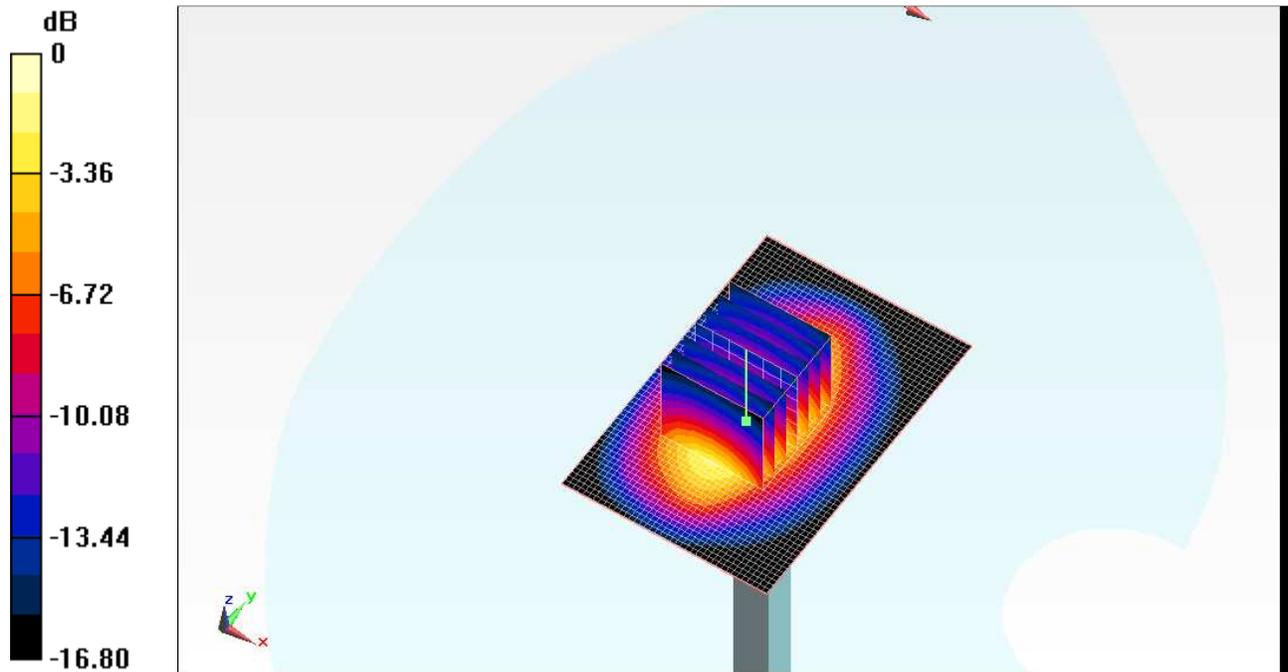
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.414 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 6.920 W/kg

SAR(1 g) = 3.75 mW/g; SAR(10 g) = 1.99 mW/g

Maximum value of SAR (measured) = 5.038 mW/g



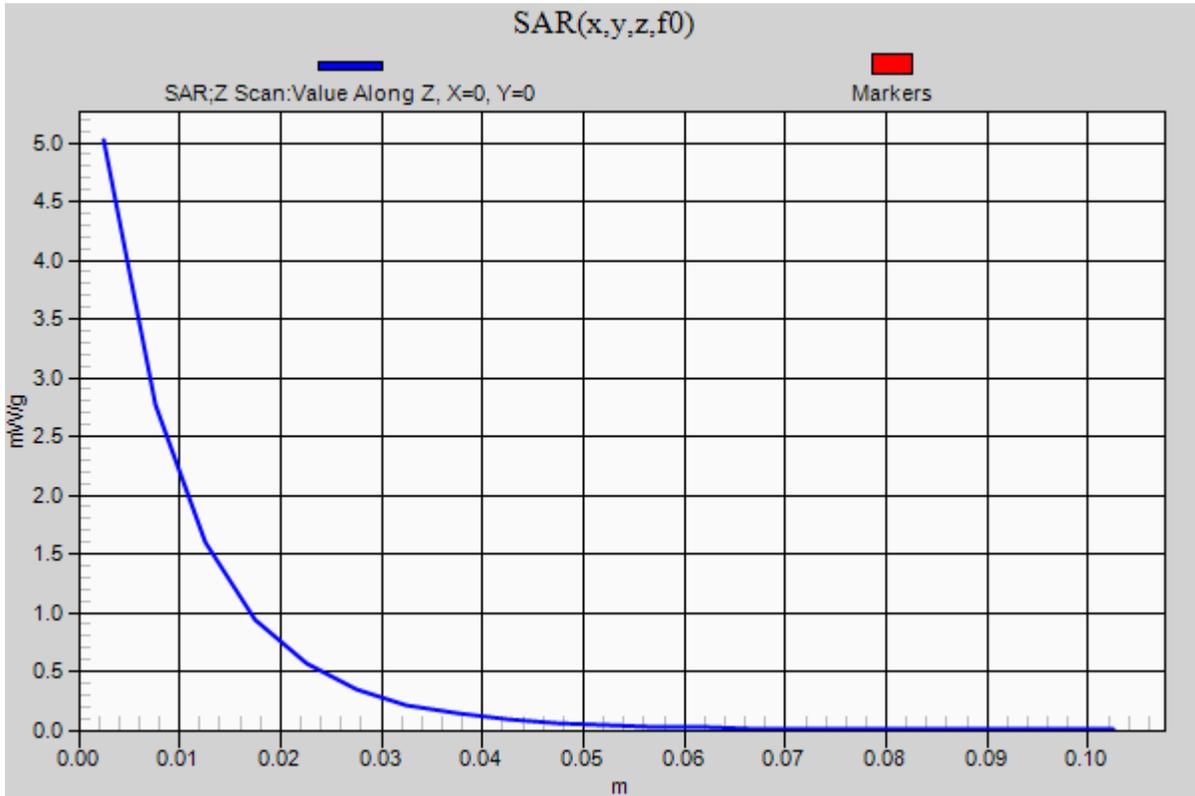
0 dB = 5.040mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.020 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.34$ mho/m; $\epsilon_r = 39.425$; $\rho = 1000$ 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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.116 mW/g

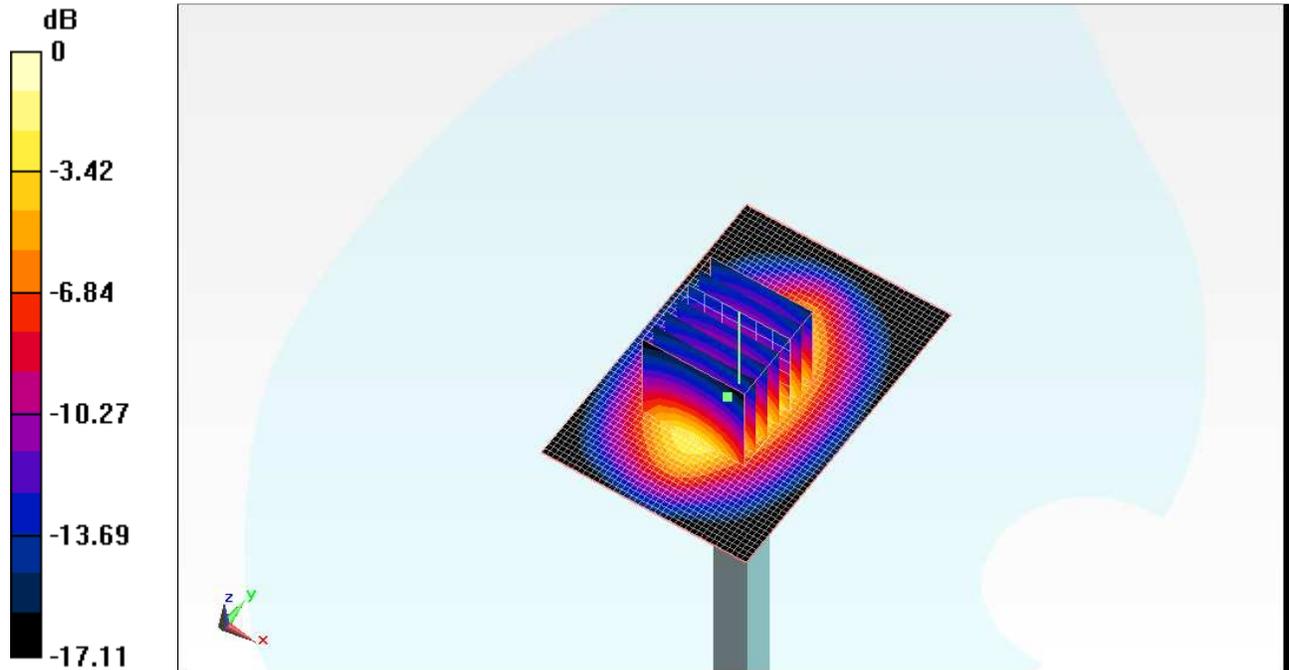
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.333 V/m; Power Drift = -0.0064 dB

Peak SAR (extrapolated) = 6.812 W/kg

SAR(1 g) = 3.7 mW/g; SAR(10 g) = 1.96 mW/g

Maximum value of SAR (measured) = 4.967 mW/g



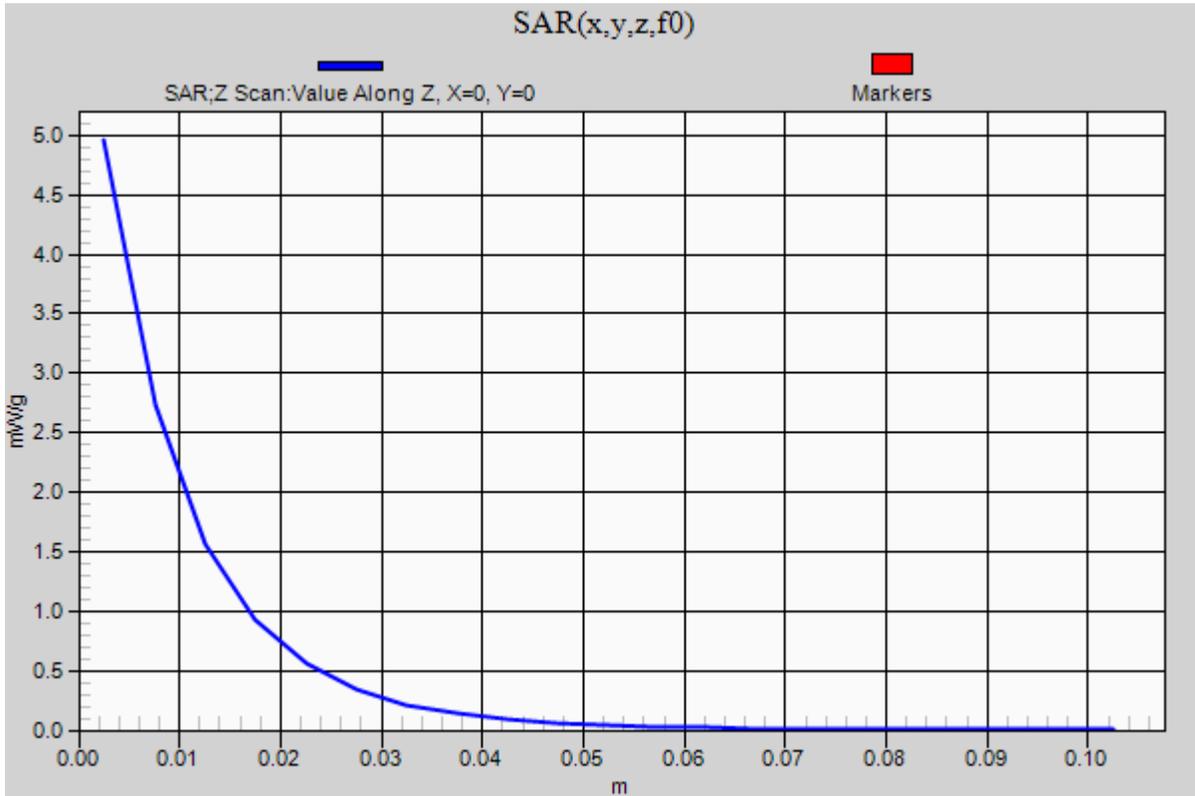
0 dB = 4.970mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.959 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.308$ mho/m; $\epsilon_r = 40.762$; $\rho = 1000$ 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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.838 mW/g

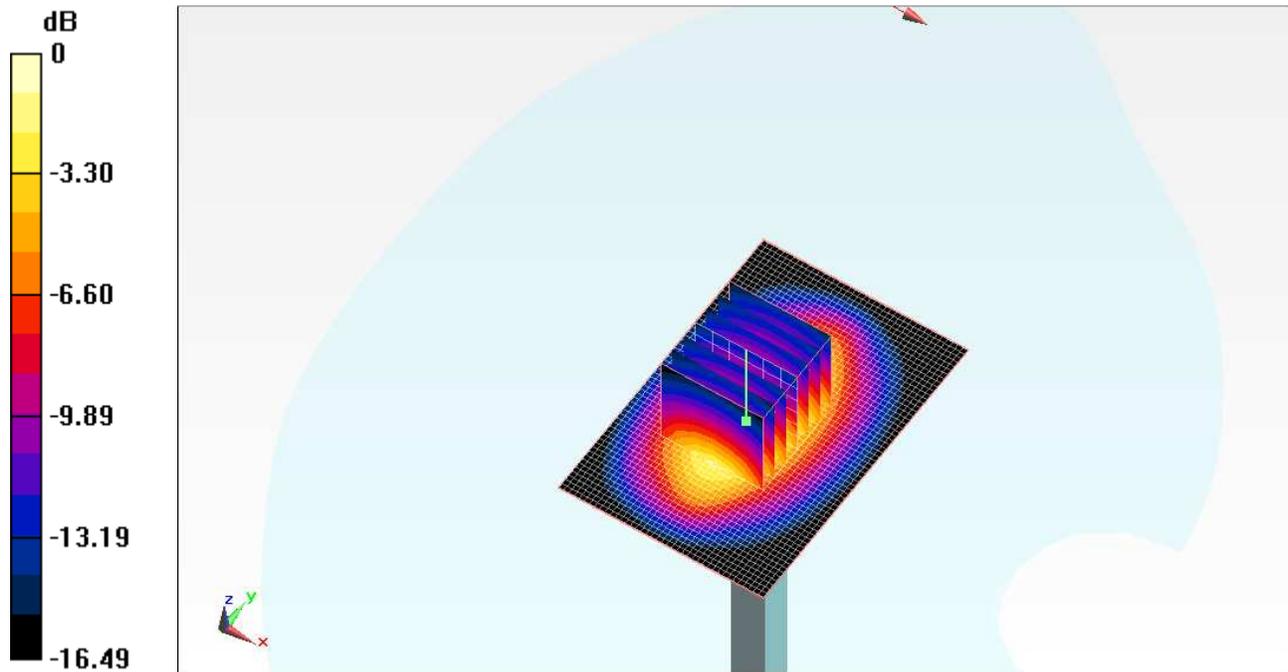
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.485 V/m; Power Drift = -0.0046 dB

Peak SAR (extrapolated) = 6.517 W/kg

SAR(1 g) = 3.61 mW/g; SAR(10 g) = 1.94 mW/g

Maximum value of SAR (measured) = 4.778 mW/g



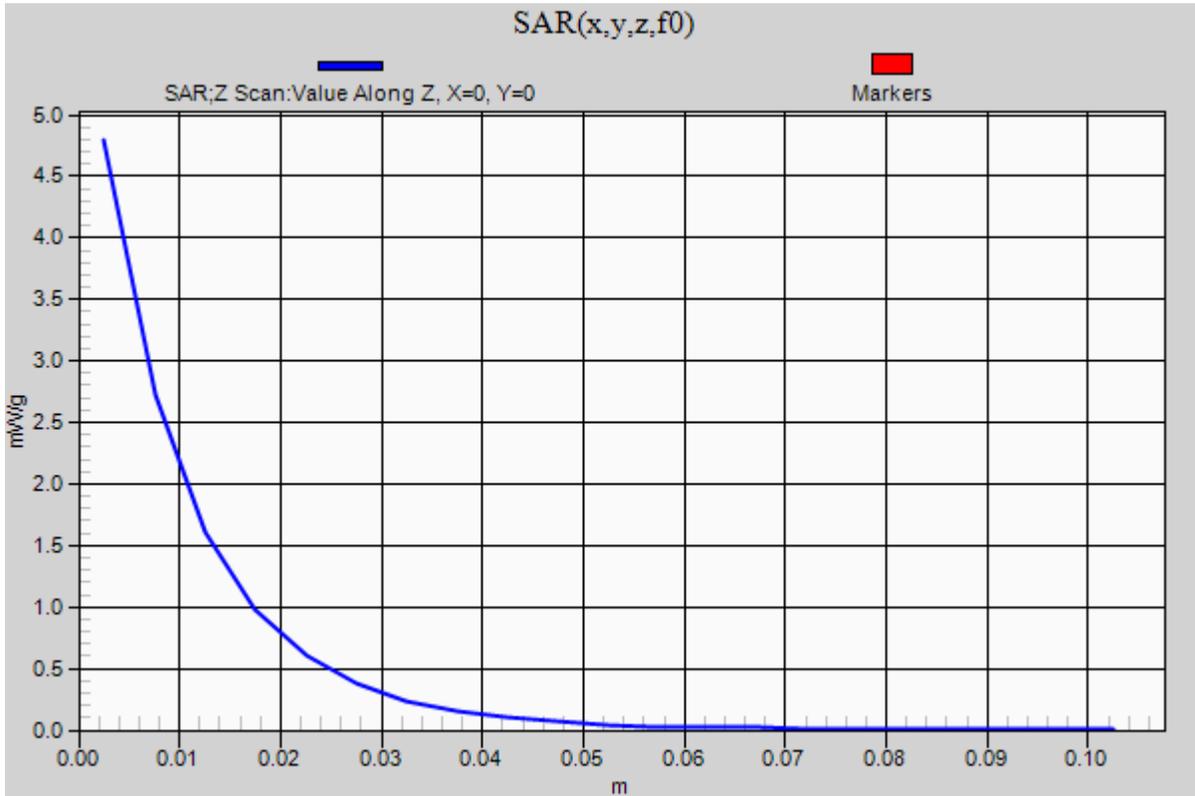
0 dB = 4.780mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.793 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.316$ mho/m; $\epsilon_r = 38.513$; $\rho = 1000$ 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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.964 mW/g

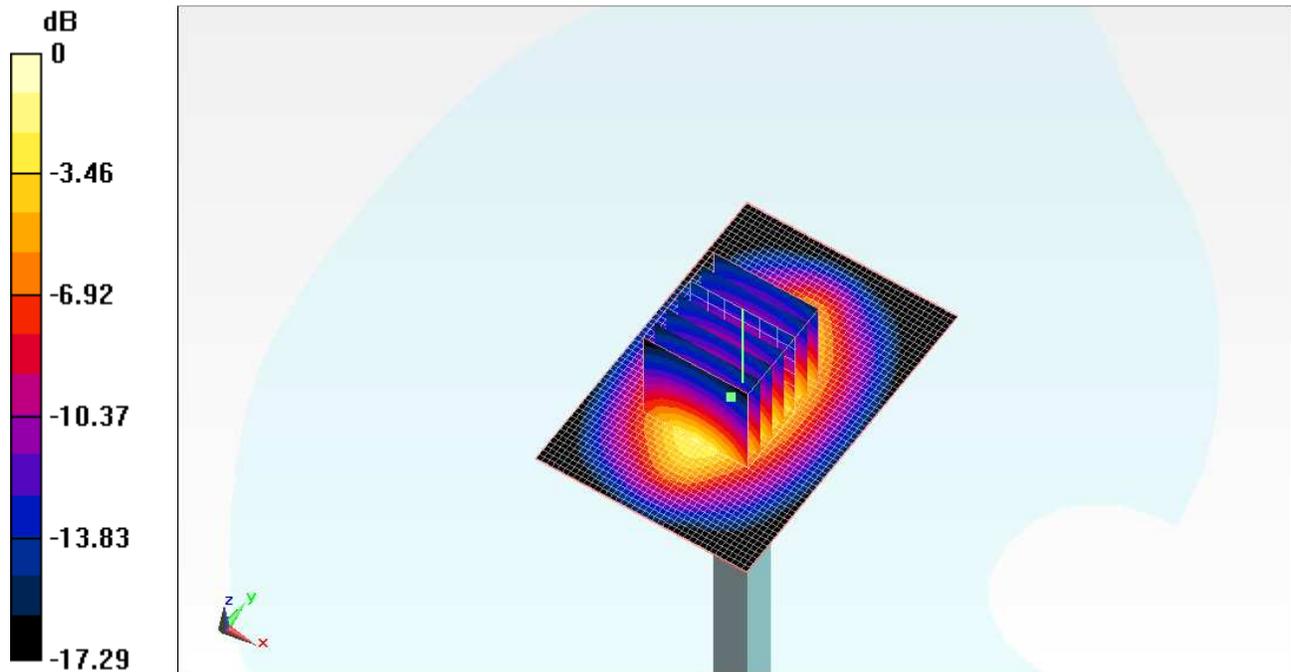
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.331 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 6.766 W/kg

SAR(1 g) = 3.65 mW/g; SAR(10 g) = 1.92 mW/g

Maximum value of SAR (measured) = 4.911 mW/g



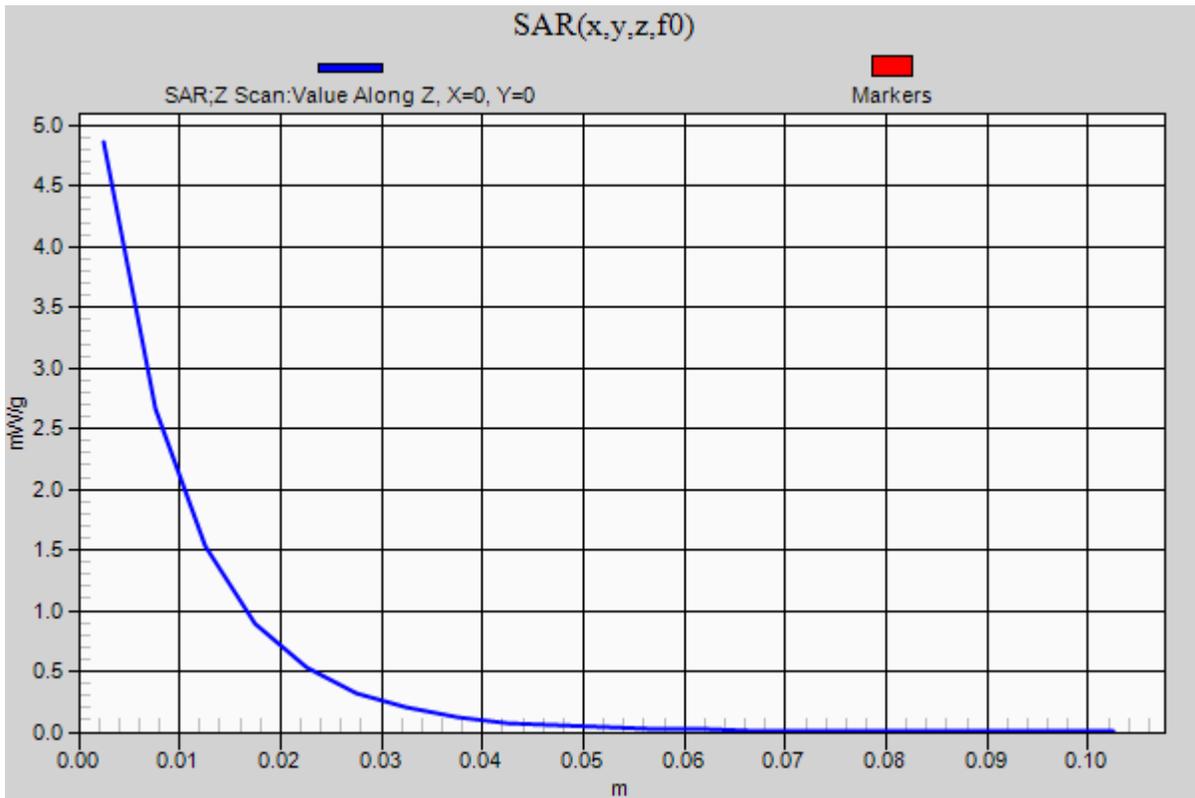
0 dB = 4.910mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.861 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r = 51.376$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.941 mW/g

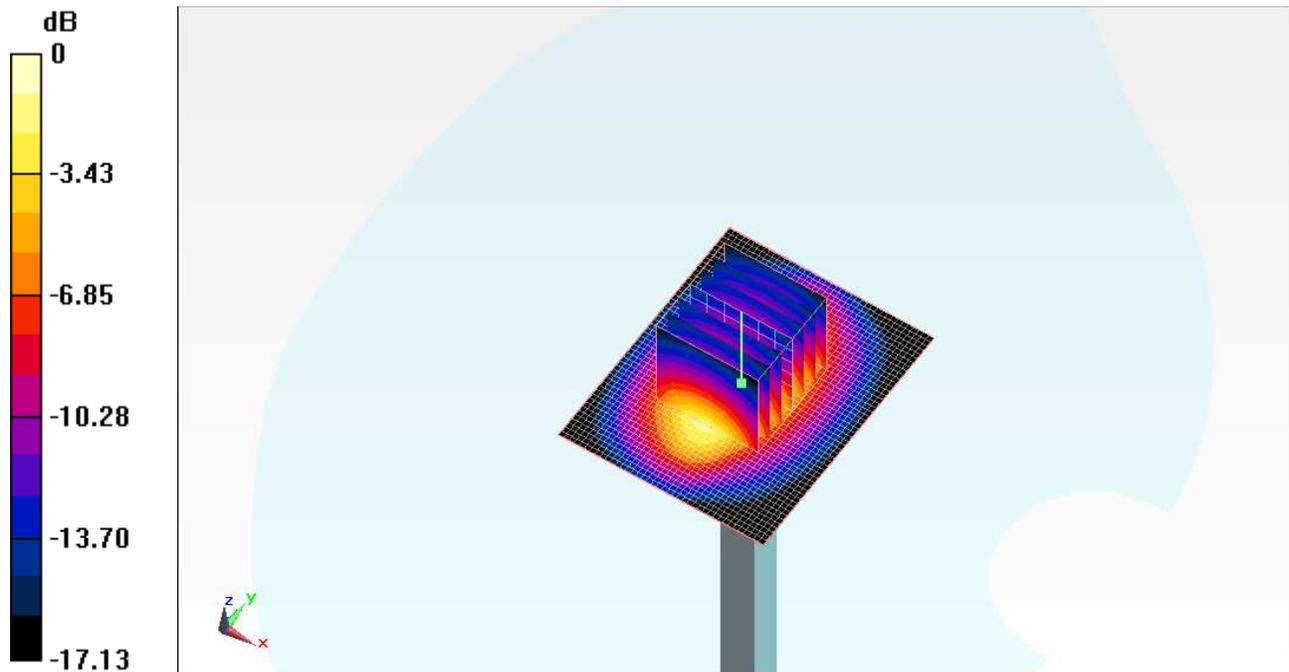
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.267 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.582 W/kg

SAR(1 g) = 4.15 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (measured) = 5.622 mW/g



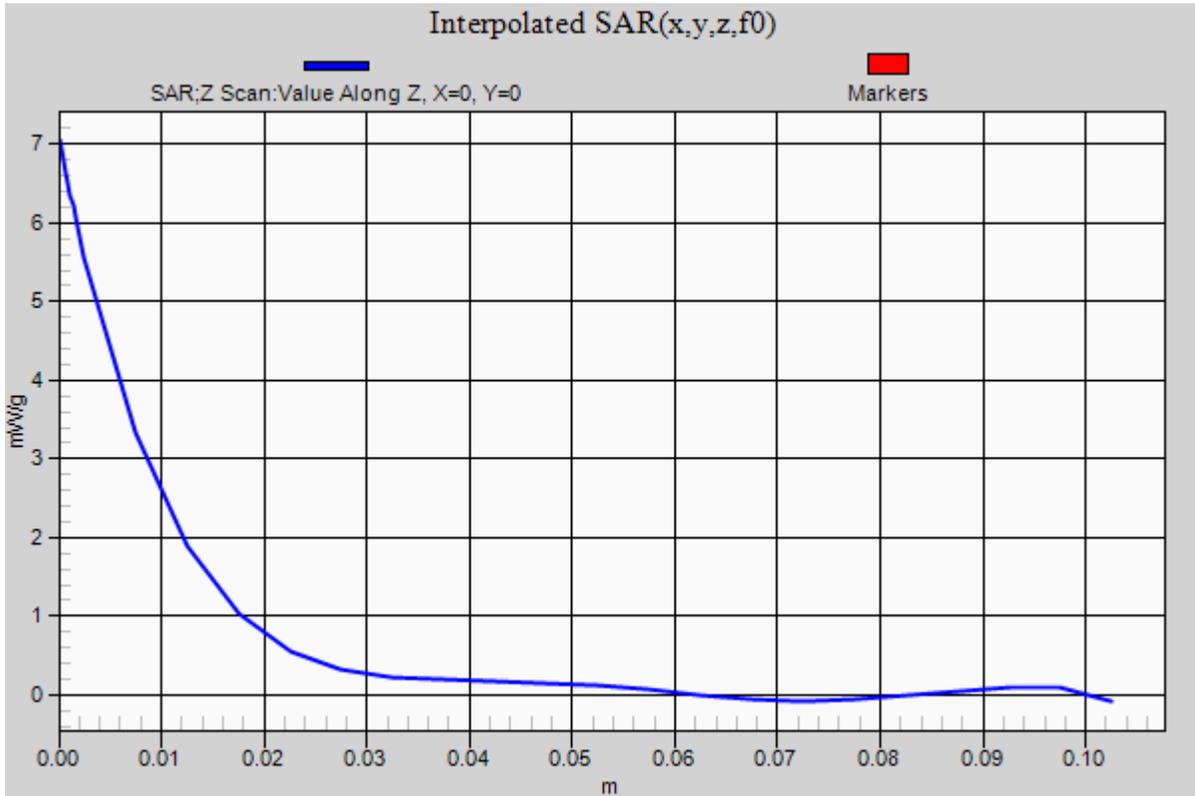
0 dB = 5.620mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x32): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (interpolated) = 7.068 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.527$ mho/m; $\epsilon_r = 51.212$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.918 mW/g

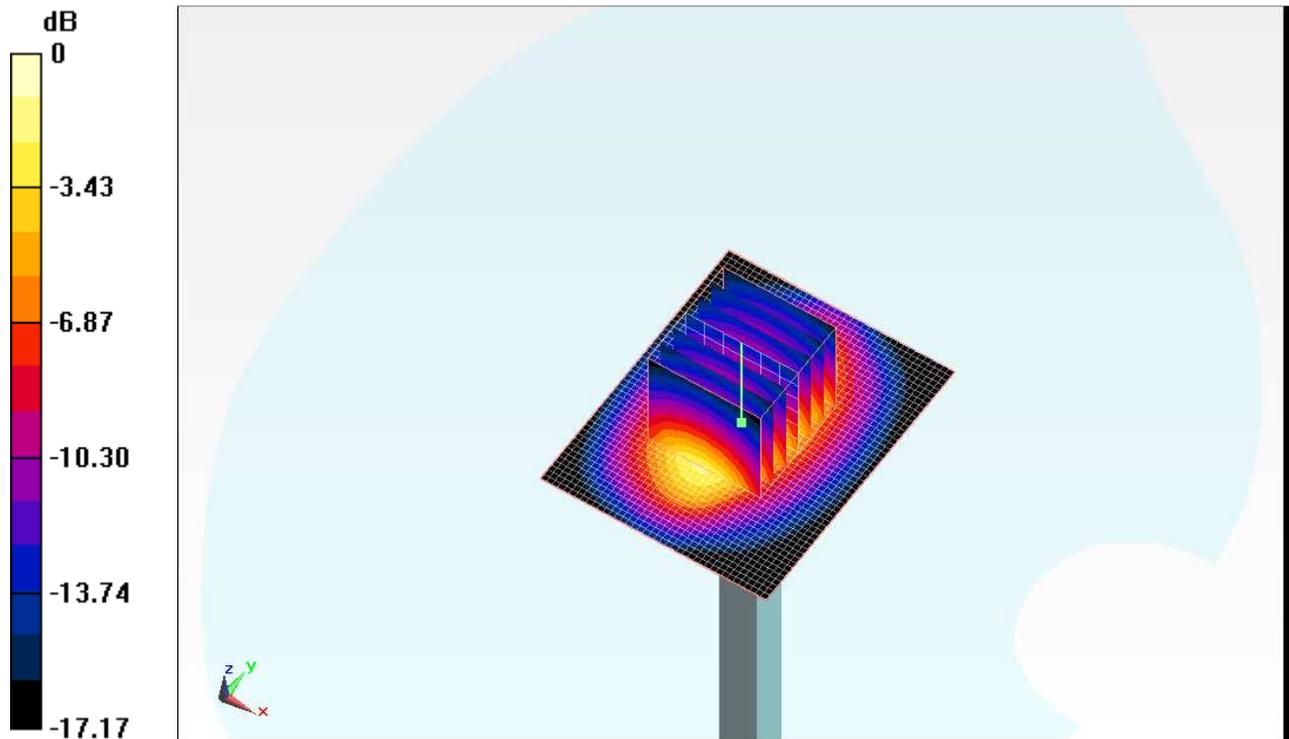
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.391 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.579 W/kg

SAR(1 g) = 4.15 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (measured) = 5.603 mW/g



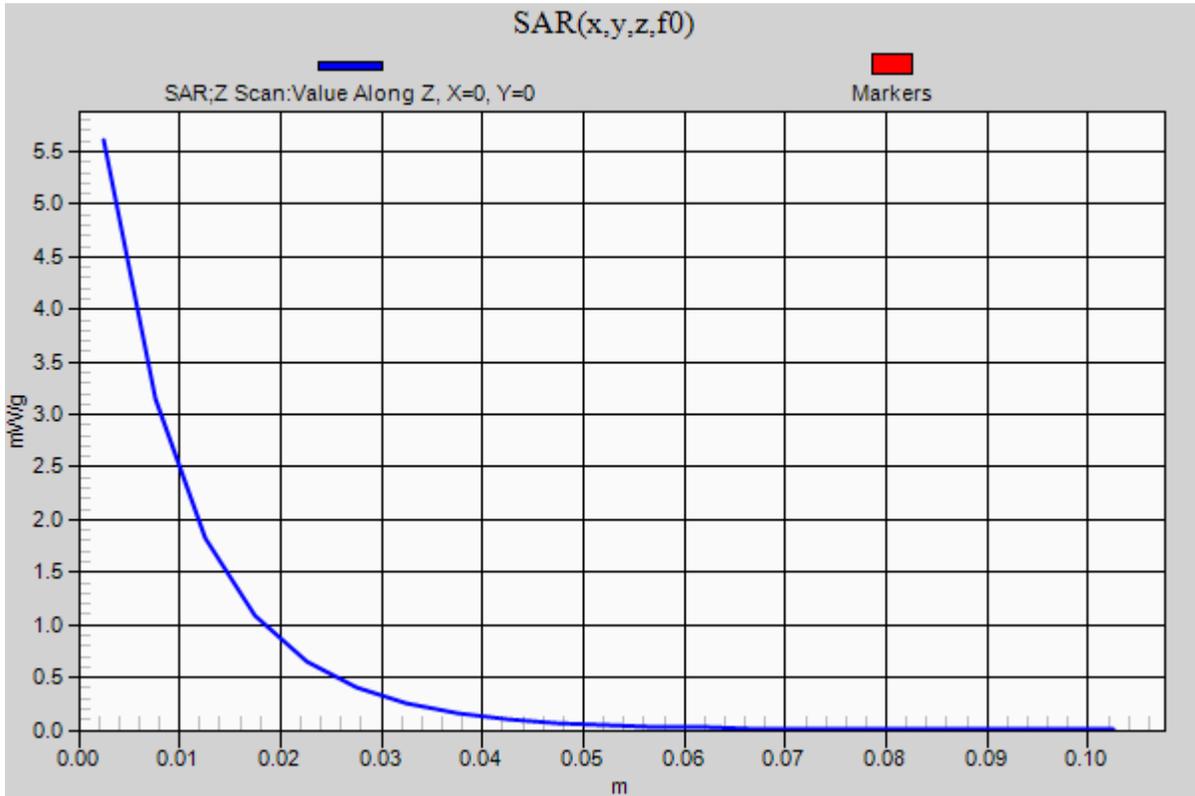
0 dB = 5.600mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.609 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 51.32$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 6.001 mW/g

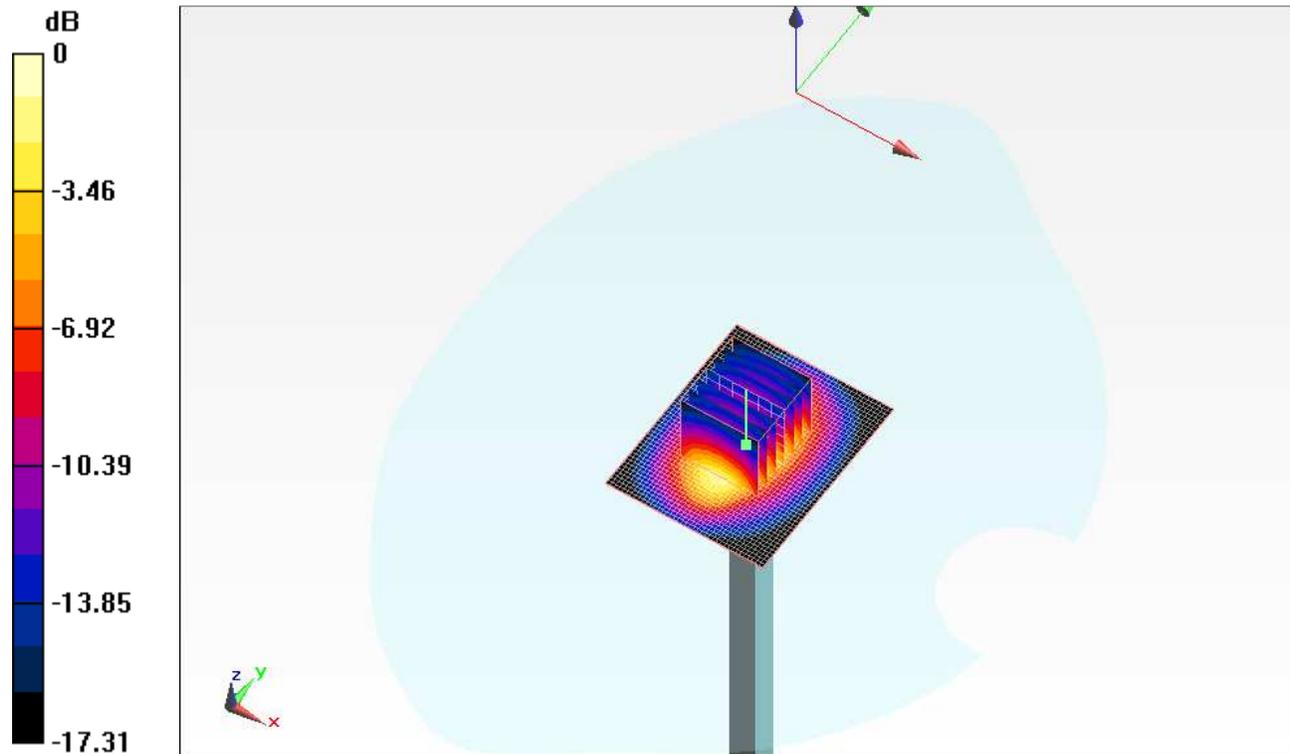
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.101 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.829 W/kg

SAR(1 g) = 4.25 mW/g; SAR(10 g) = 2.2 mW/g

Maximum value of SAR (measured) = 5.738 mW/g



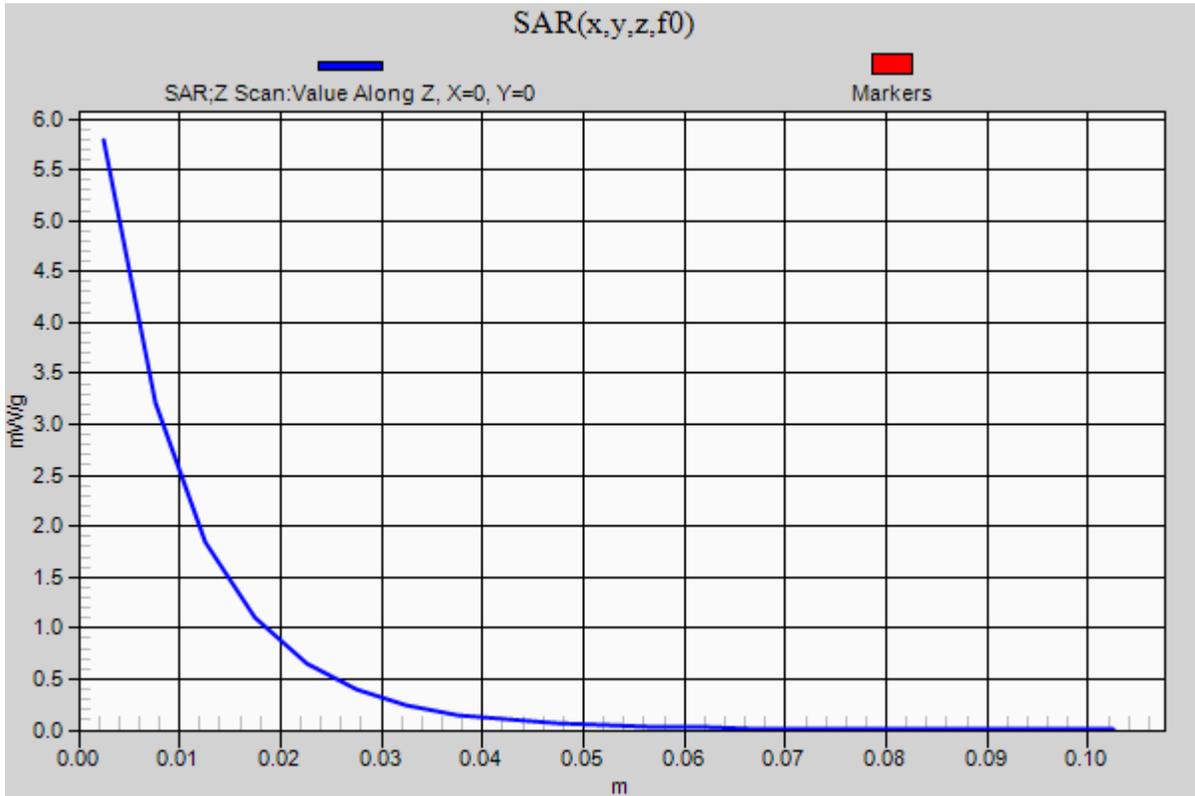
0 dB = 5.740mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.789 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 51.977$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.813 mW/g

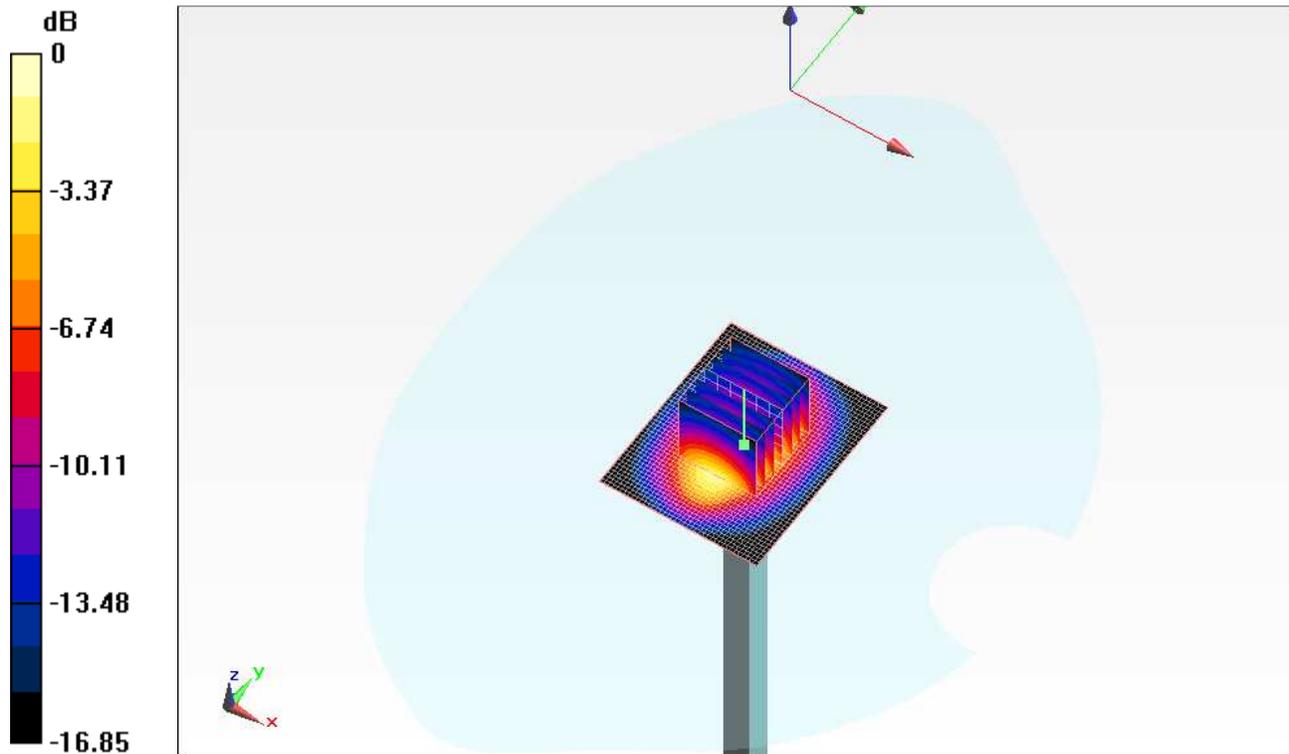
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.885 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.344 W/kg

SAR(1 g) = 4.03 mW/g; SAR(10 g) = 2.1 mW/g

Maximum value of SAR (measured) = 5.438 mW/g



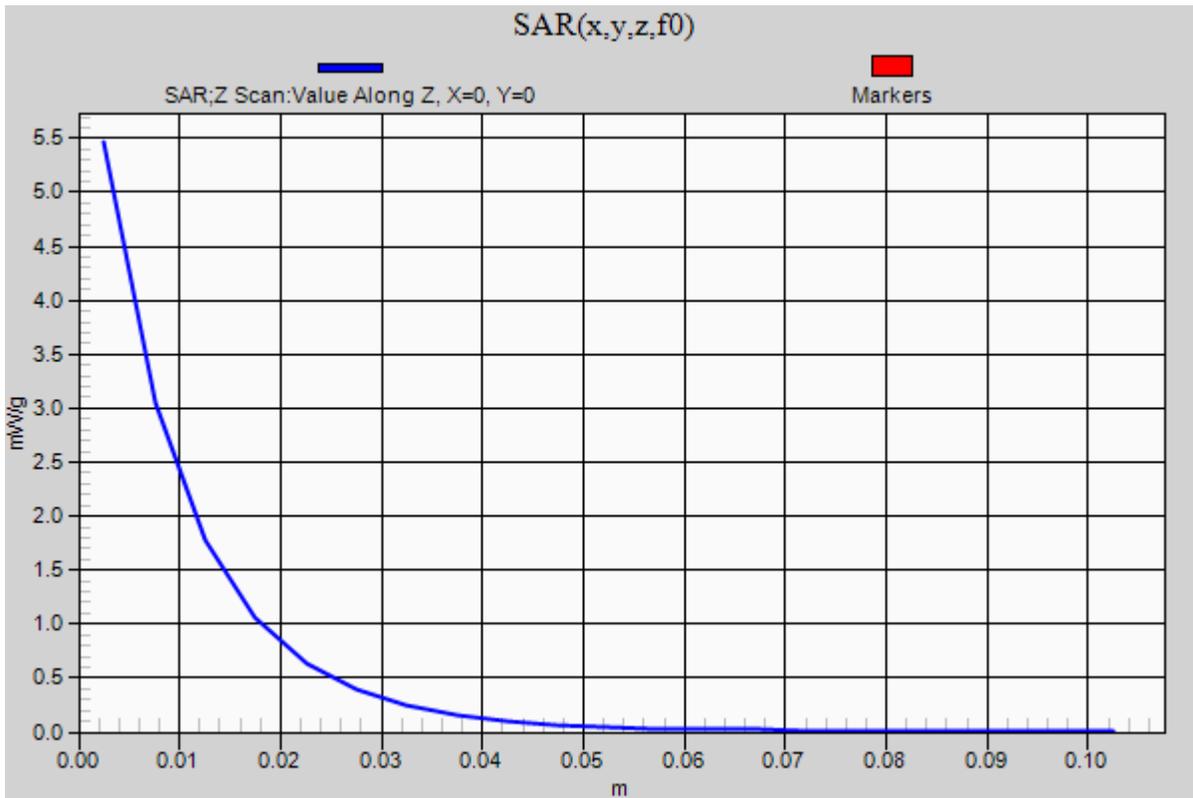
0 dB = 5.440mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.464 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.951$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.569 mW/g

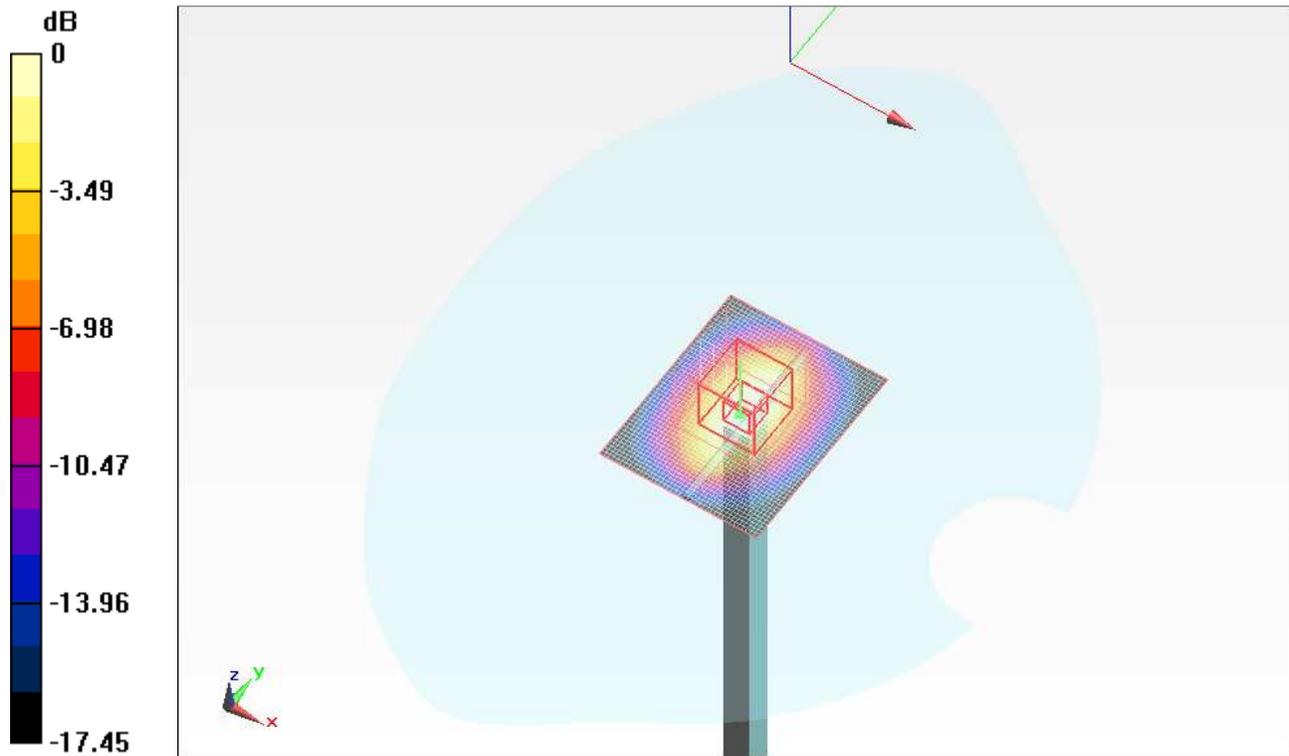
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.713 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 7.399 W/kg

SAR(1 g) = 3.95 mW/g; SAR(10 g) = 2.06 mW/g

Maximum value of SAR (measured) = 5.326 mW/g



0 dB = 5.330mW/g

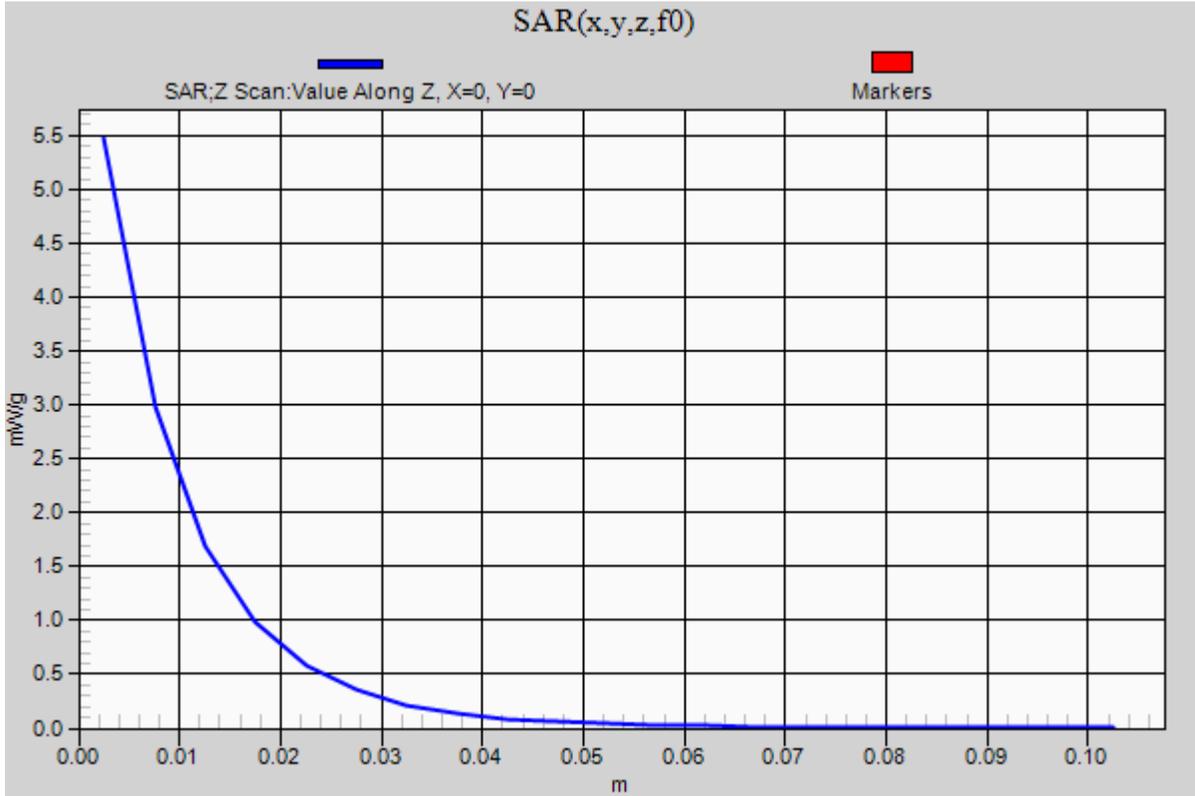
Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 5.473 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.435$ mho/m; $\epsilon_r = 41.052$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 6.007 mW/g

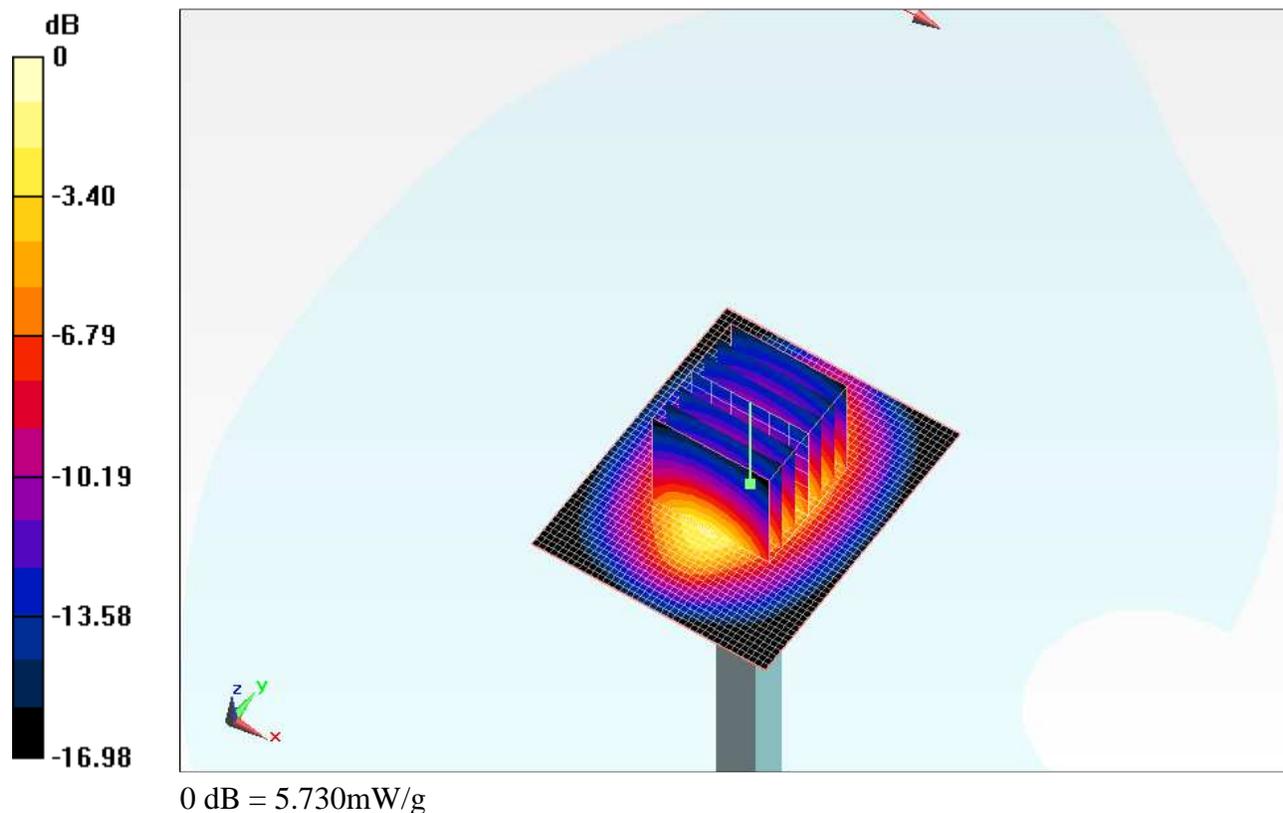
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.487 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.864 W/kg

SAR(1 g) = 4.26 mW/g; SAR(10 g) = 2.23 mW/g

Maximum value of SAR (measured) = 5.733 mW/g

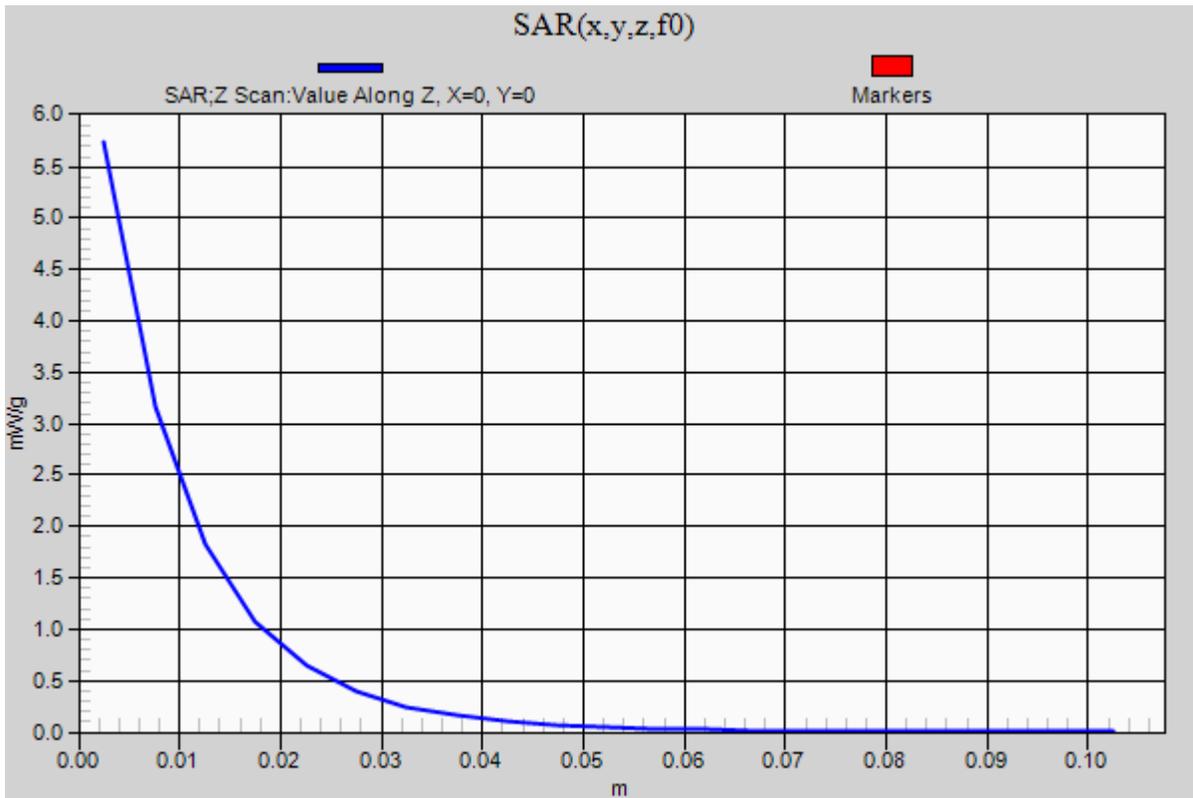


Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.740 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.34$ mho/m; $\epsilon_r = 39.694$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.575 mW/g

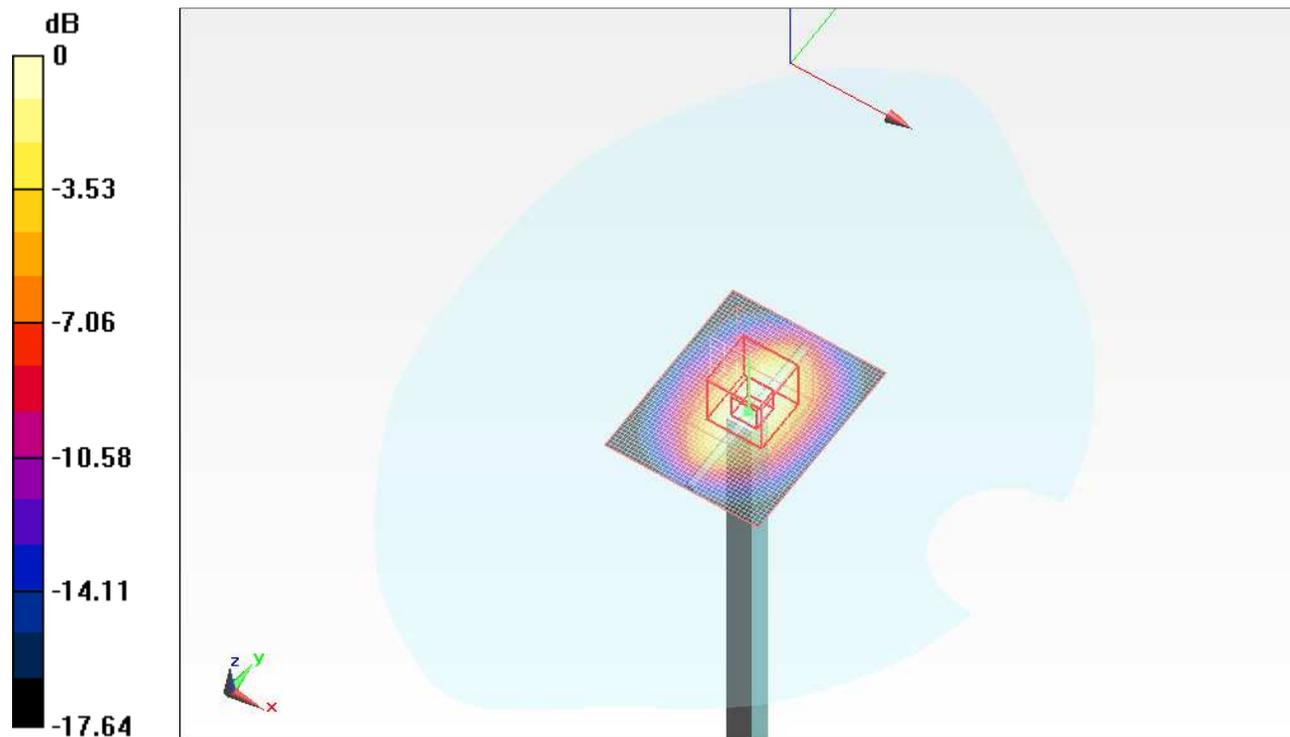
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.804 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.452 W/kg

SAR(1 g) = 3.96 mW/g; SAR(10 g) = 2.05 mW/g

Maximum value of SAR (measured) = 5.352 mW/g



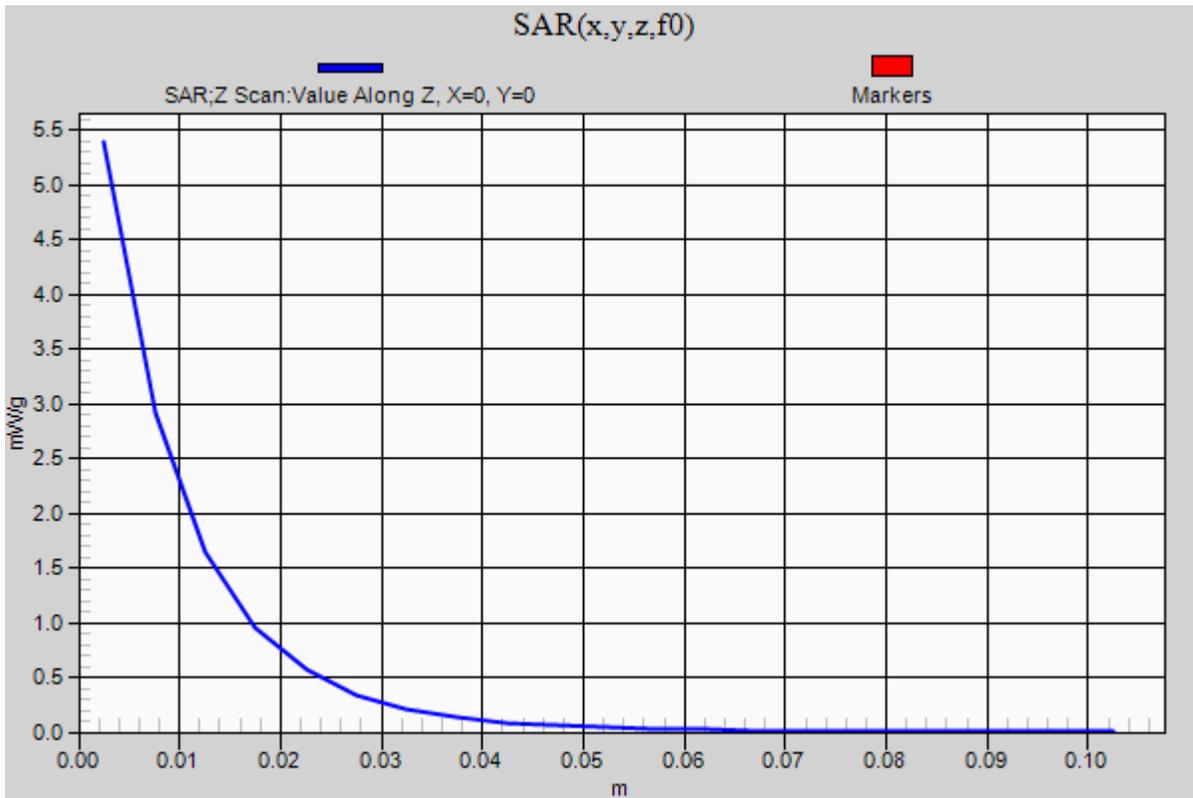
0 dB = 5.350mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.390 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.475$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.744 mW/g

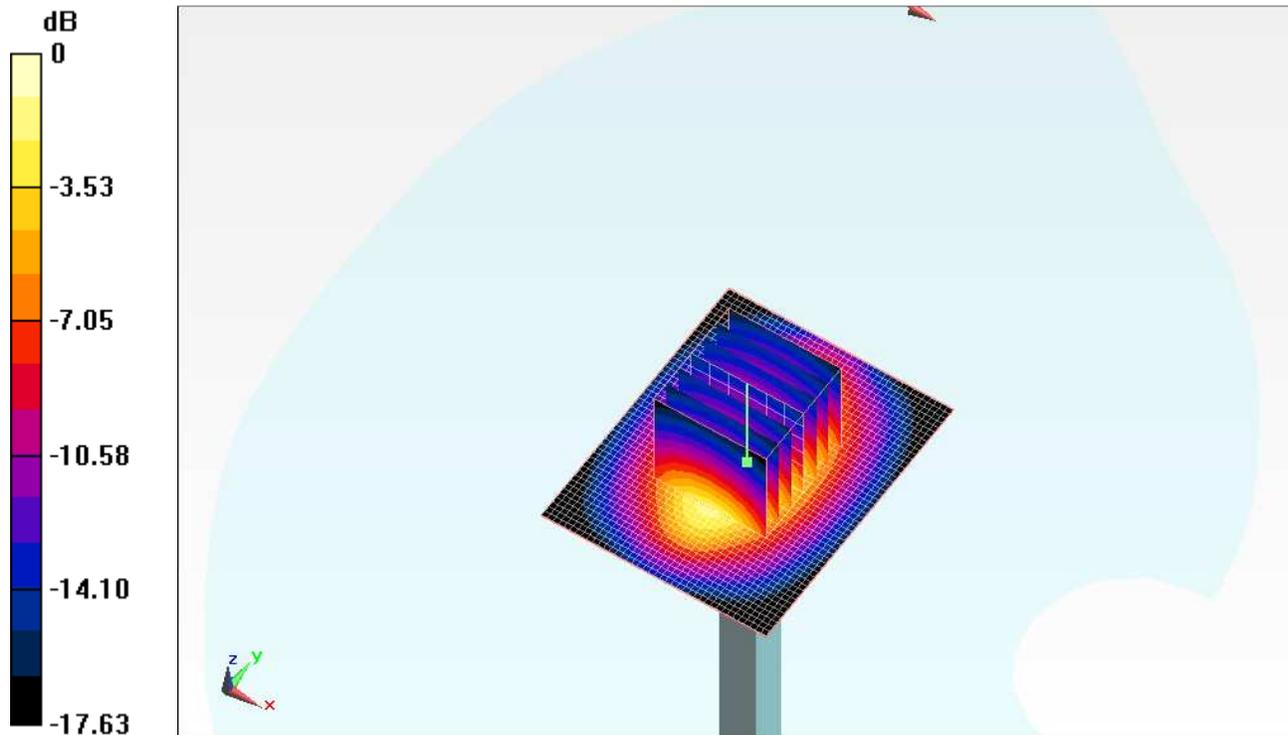
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.598 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.529 W/kg

SAR(1 g) = 4.02 mW/g; SAR(10 g) = 2.08 mW/g

Maximum value of SAR (measured) = 5.437 mW/g



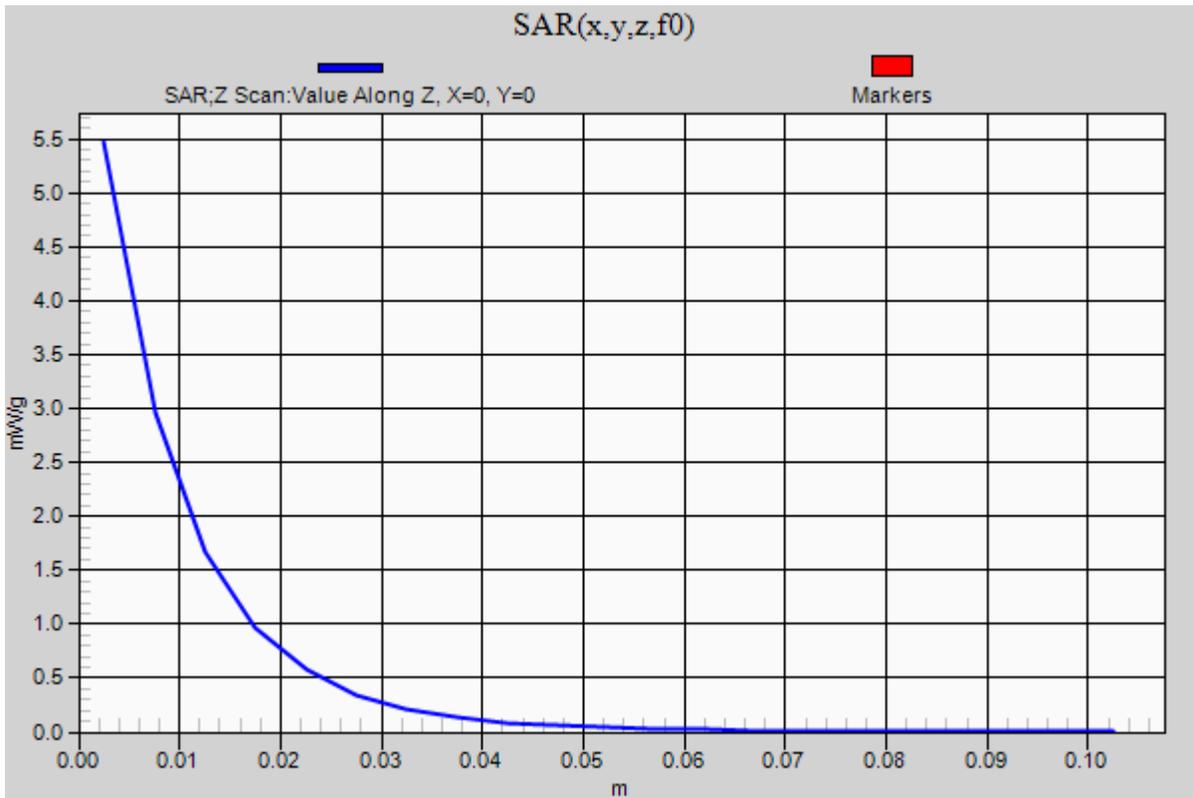
0 dB = 5.440mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.469 mW/g



Test Laboratory: UL CCS SAR Lab C

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.871$ mho/m; $\epsilon_r = 39.008$; $\rho = 1000$ 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 - SN3772; ConvF(6.43, 6.43, 6.43); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW 2/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 7.606 mW/g

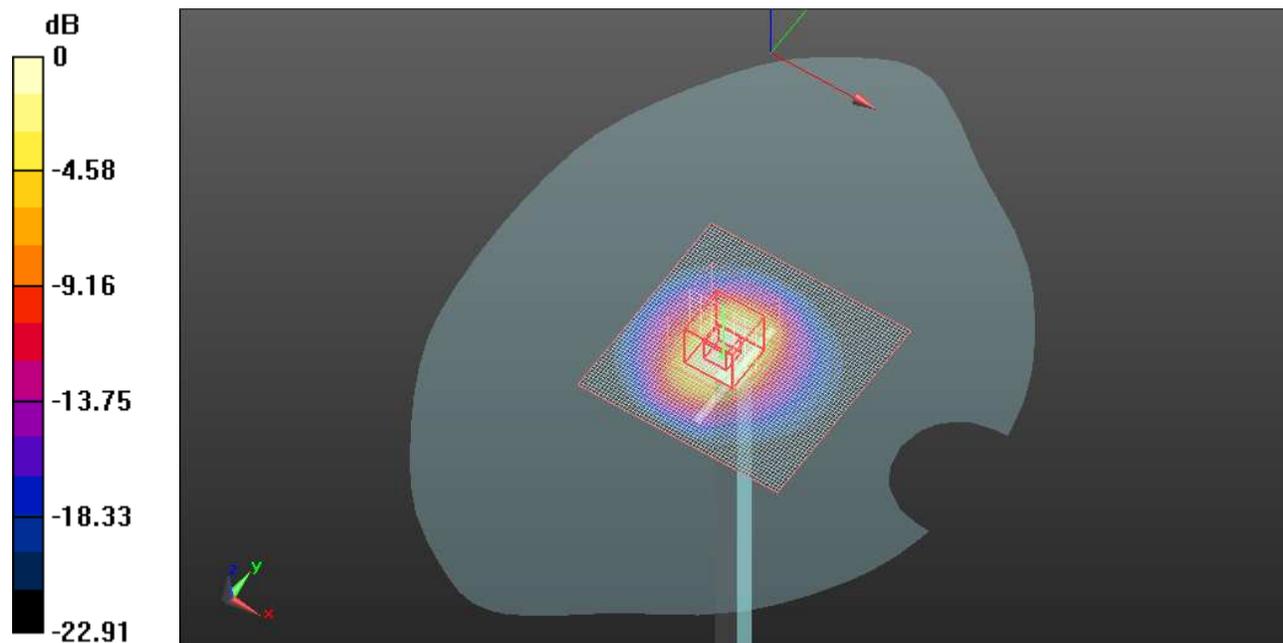
Head/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.598 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.468 W/kg

SAR(1 g) = 5.3 mW/g; SAR(10 g) = 2.42 mW/g

Maximum value of SAR (measured) = 7.624 mW/g



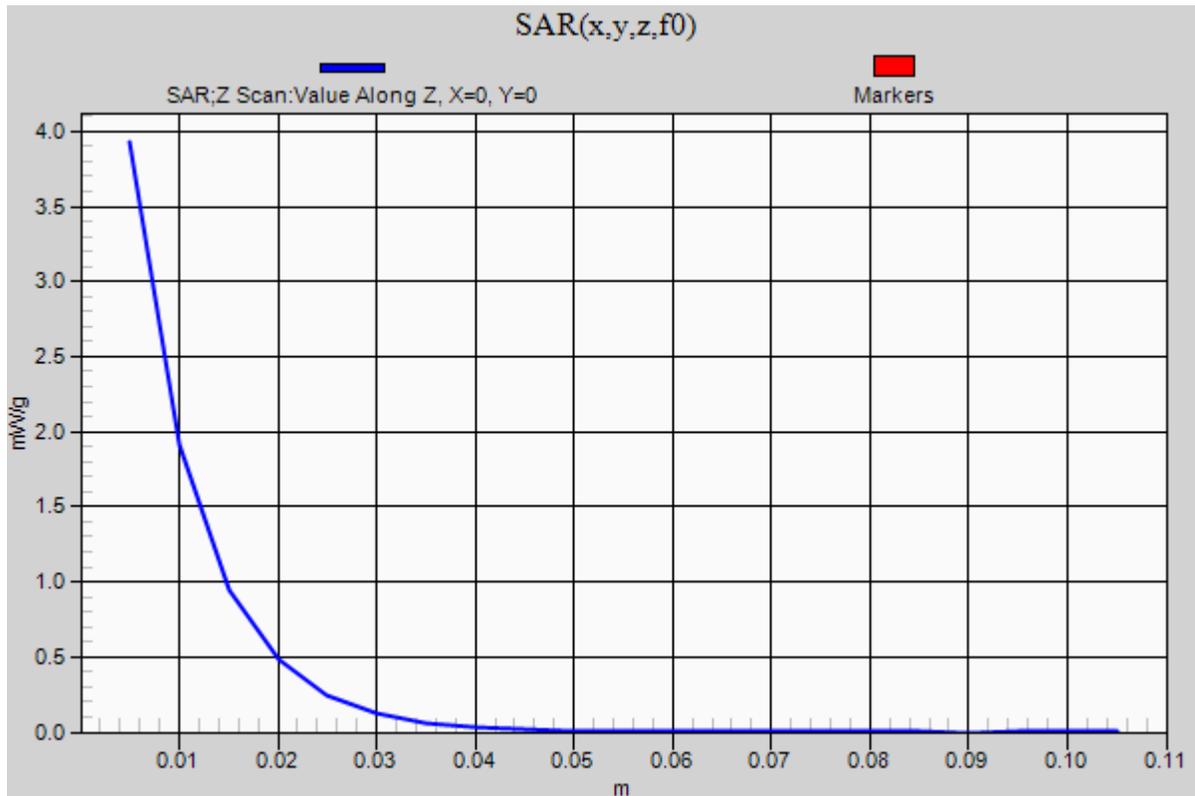
0 dB = 7.620mW/g

Test Laboratory: UL CCS SAR Lab C

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Head/Pin=100 mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 3.927 mW/g



Test Laboratory: UL CCS SAR Lab C

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.934$ mho/m; $\epsilon_r = 50.825$; $\rho = 1000$ 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 - SN3772; ConvF(6.41, 6.41, 6.41); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW 2/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 7.734 mW/g

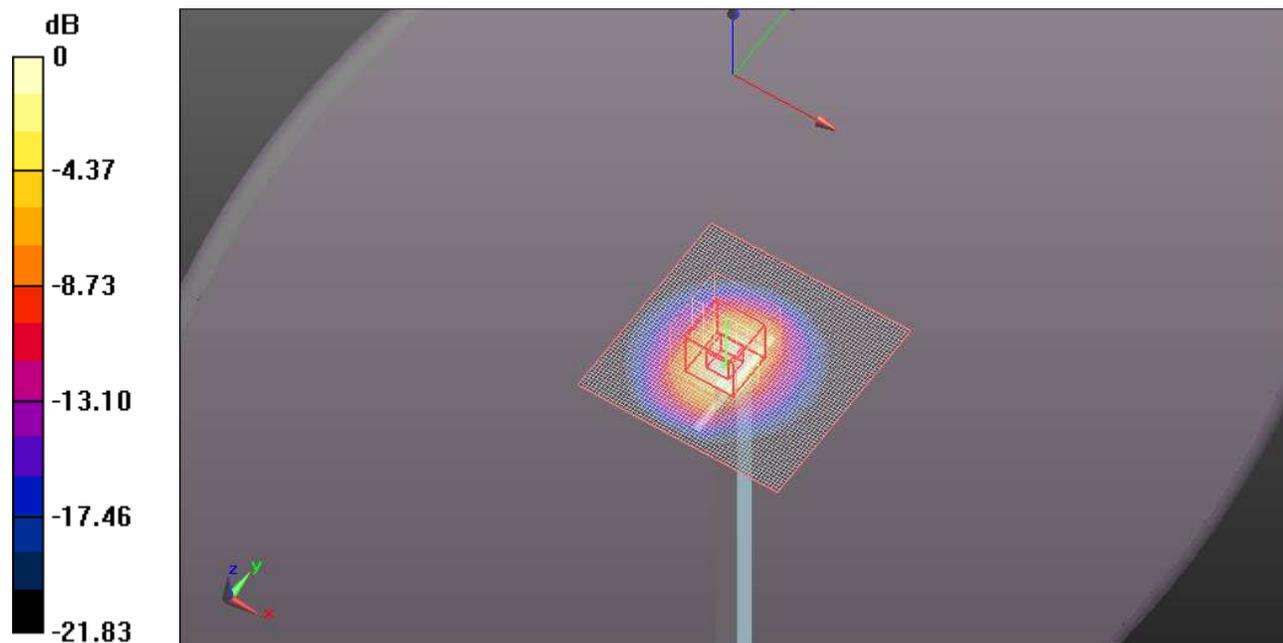
Body/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.926 V/m; Power Drift = -0.0037 dB

Peak SAR (extrapolated) = 11.447 W/kg

SAR(1 g) = 5.5 mW/g; SAR(10 g) = 2.56 mW/g

Maximum value of SAR (measured) = 7.791 mW/g



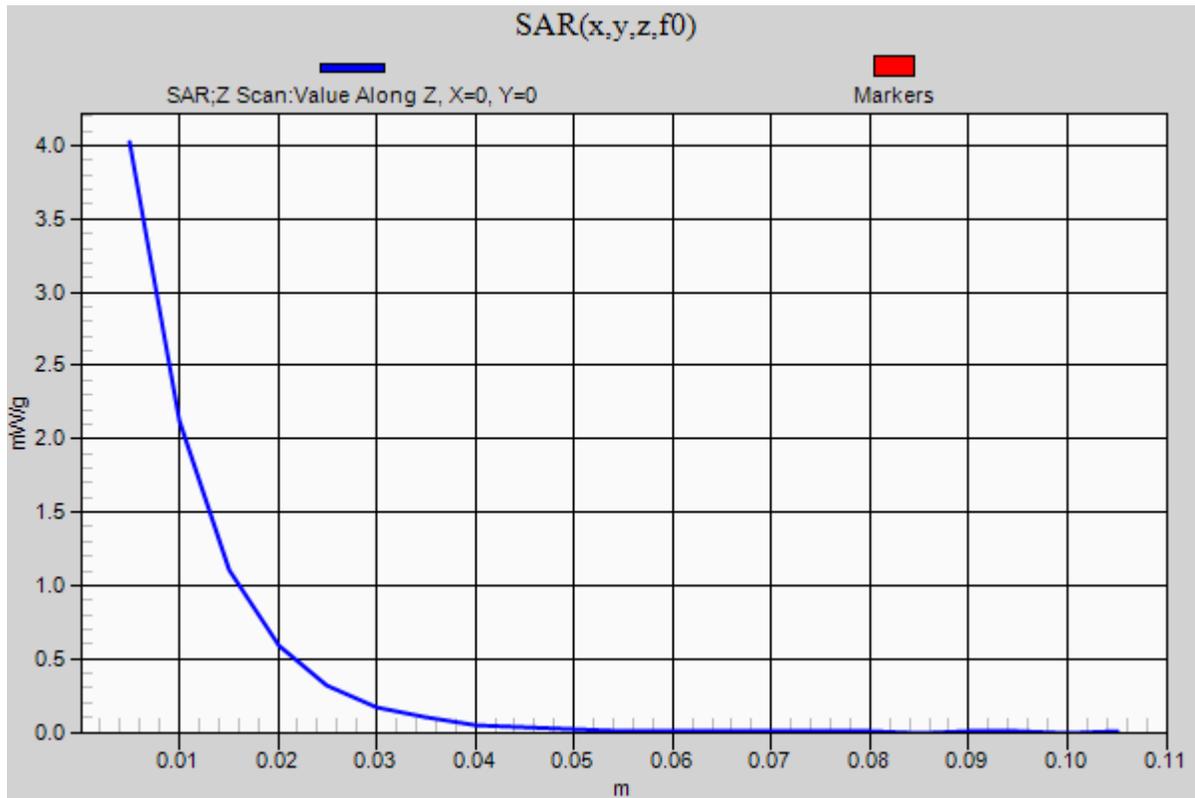
0 dB = 7.790mW/g

Test Laboratory: UL CCS SAR Lab C

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.022 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.747$; $\rho = 1000$ 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 - 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: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.980 mW/g

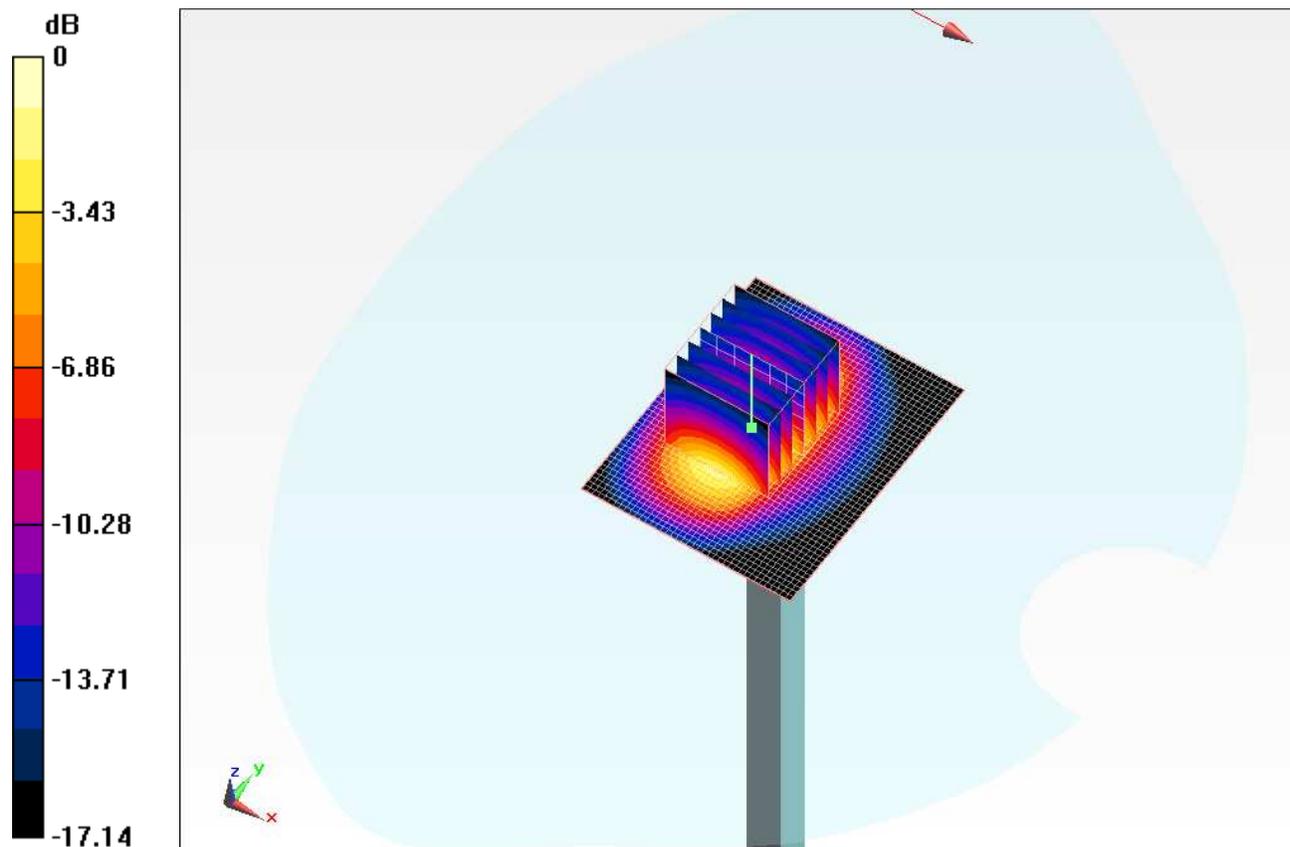
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.794 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.403 W/kg

SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.08 mW/g

Maximum value of SAR (measured) = 5.439 mW/g



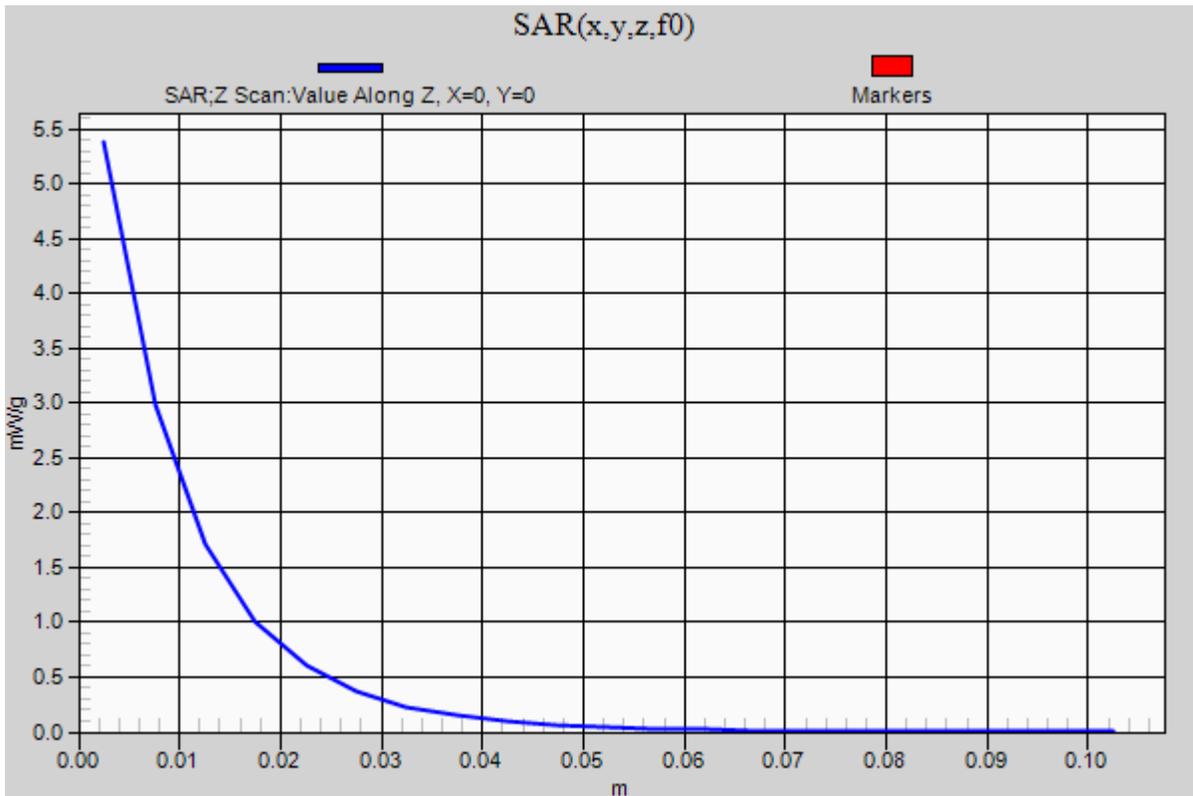
0 dB = 5.440mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.385 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.335$ mho/m; $\epsilon_r = 38.703$; $\rho = 1000$ 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 - SN3686; ConvF(7.42, 7.42, 7.42); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW 2/Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.819 mW/g

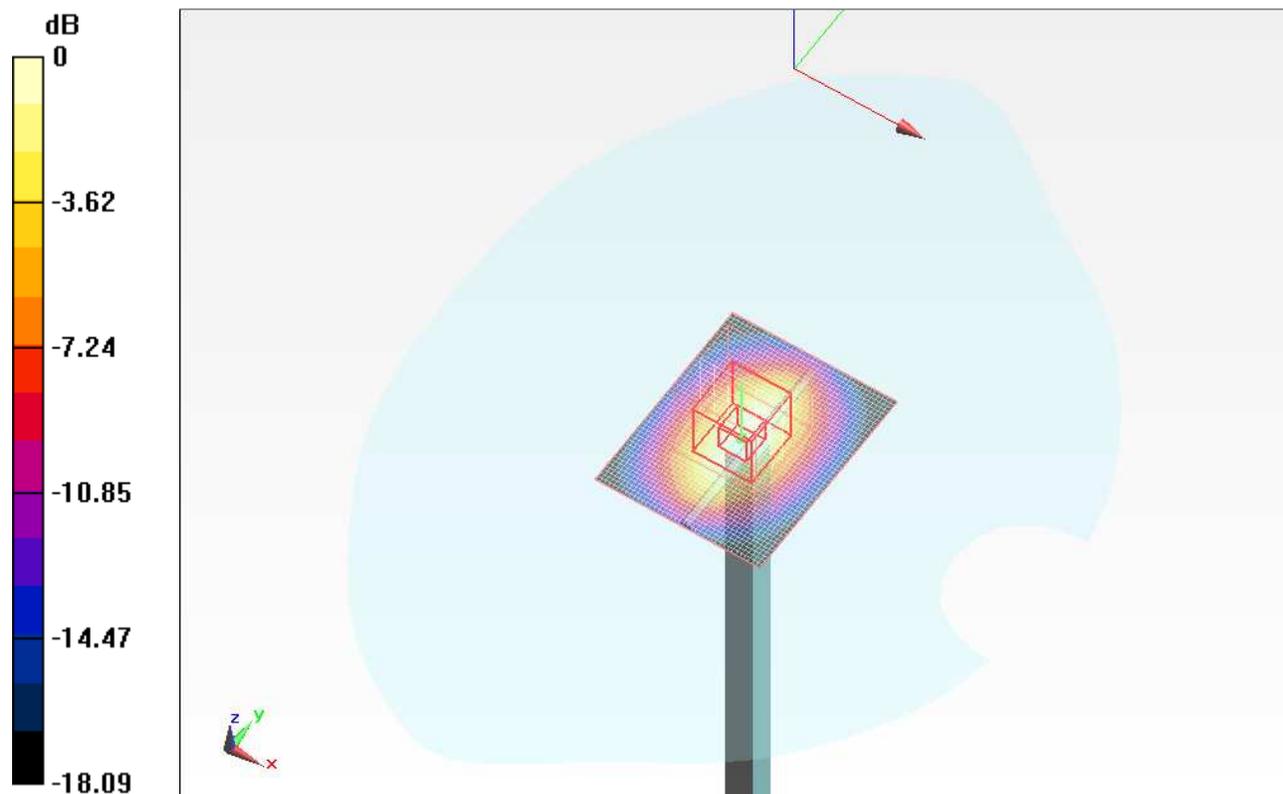
Head/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 64.528 V/m; Power Drift = -0.0024 dB

Peak SAR (extrapolated) = 7.729 W/kg

SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.05 mW/g

Maximum value of SAR (measured) = 5.506 mW/g



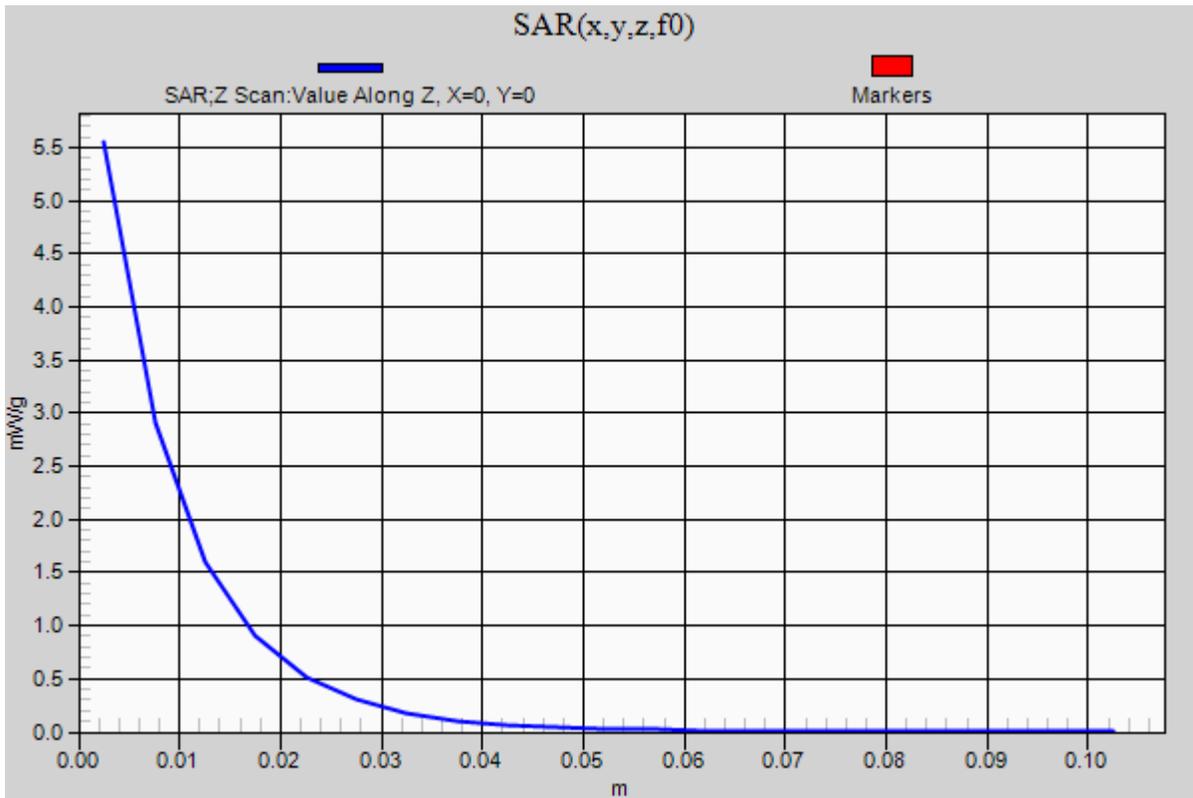
0 dB = 5.510mW/g

Test Laboratory: UL CCS SAR Lab A

System Check_D1900V2_SN 5d140

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.552 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.302$ mho/m; $\epsilon_r = 41.502$; $\rho = 1000$ 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 - SN3686; ConvF(7.69, 7.69, 7.69); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.920 mW/g

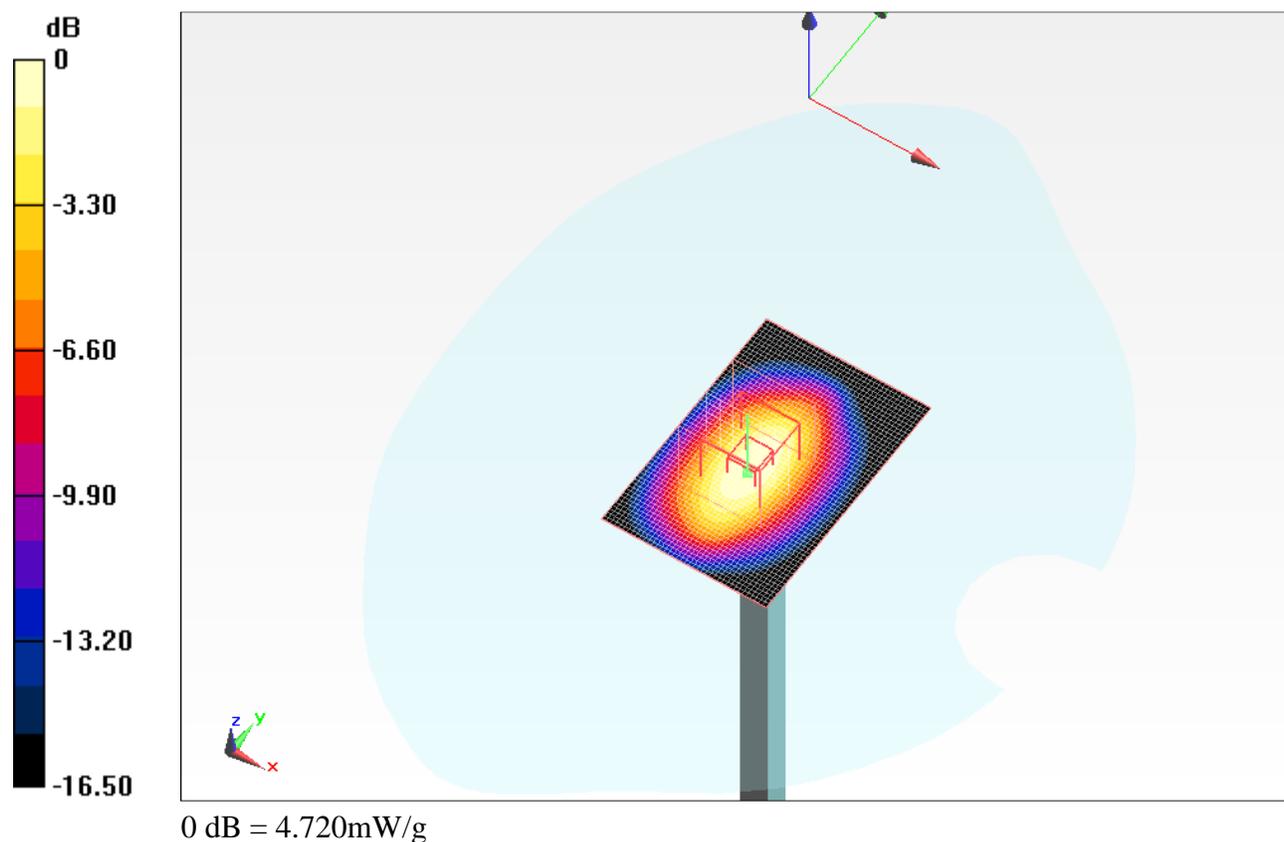
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.897 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.443 W/kg

SAR(1 g) = 3.53 mW/g; SAR(10 g) = 1.88 mW/g

Maximum value of SAR (measured) = 4.722 mW/g

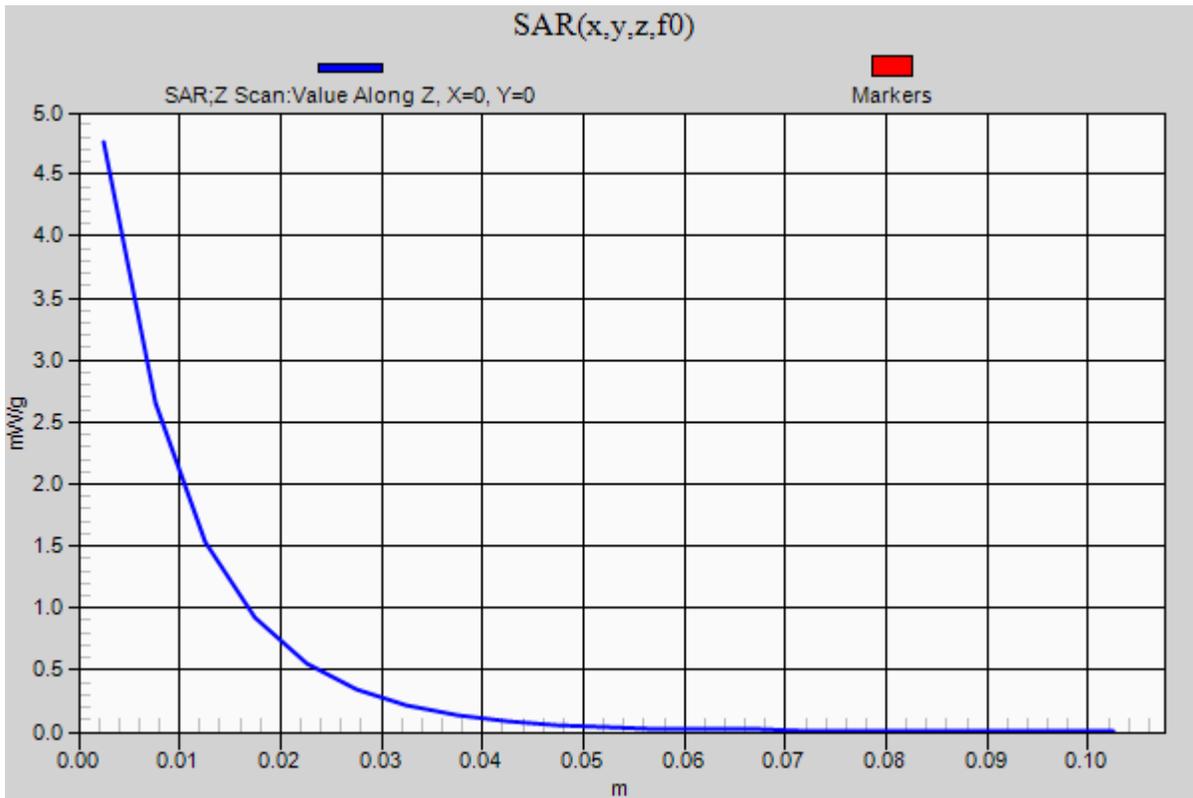


Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.757 mW/g



Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.464$ mho/m; $\epsilon_r = 51.891$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

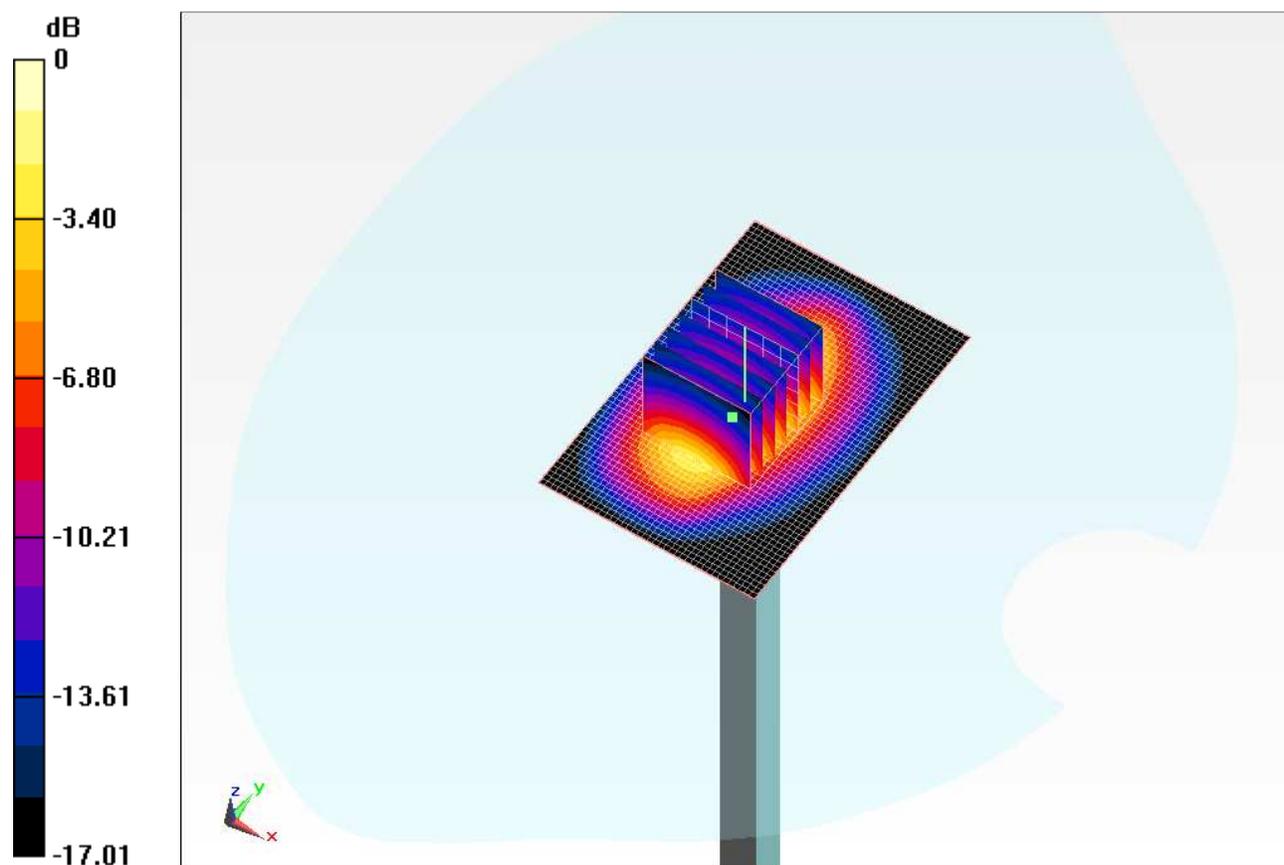
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 4.954 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 56.402 V/m; Power Drift = 0.006 dB
 Peak SAR (extrapolated) = 6.571 W/kg
SAR(1 g) = 3.61 mW/g; SAR(10 g) = 1.91 mW/g
 Maximum value of SAR (measured) = 4.845 mW/g



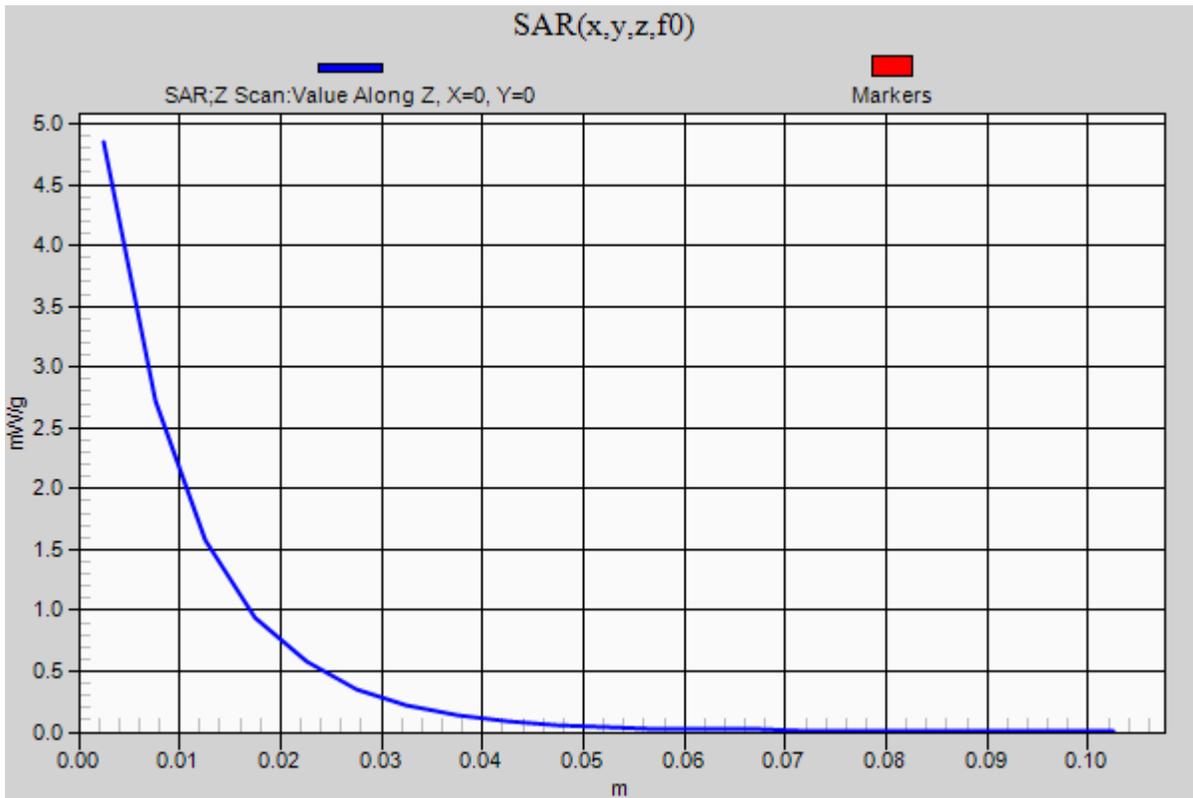
0 dB = 4.840mW/g

Test Laboratory: UL CCS SAR Lab A

System Check D1750V2 SN 1053

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.847 mW/g



Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.838$ mho/m; $\epsilon_r = 38.931$; $\rho = 1000$ 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 - SN3686; ConvF(6.82, 6.82, 6.82); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (B); Type: QD000P40CD; Serial: 1628
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Head/Pin=100 mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 7.640 mW/g

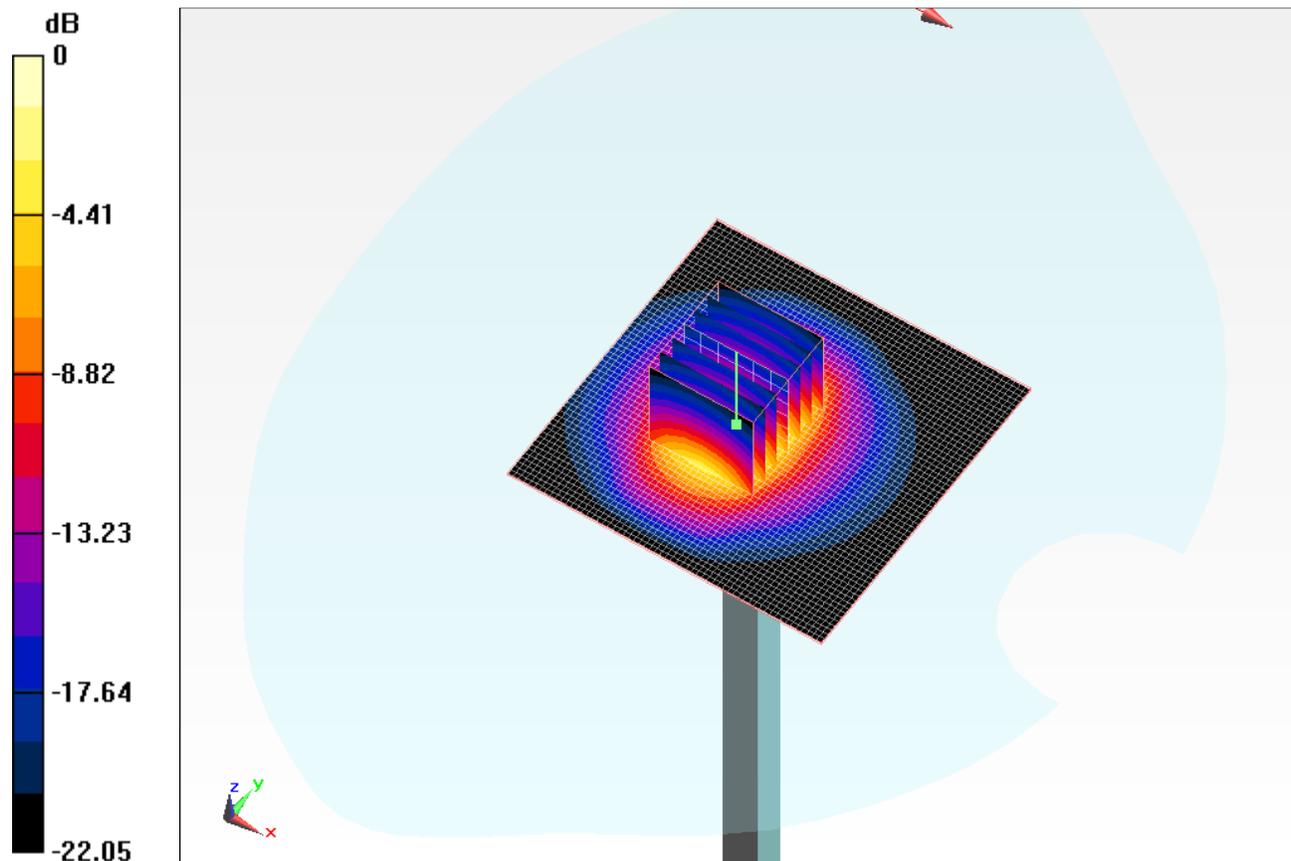
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.966 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 11.018 W/kg

SAR(1 g) = 5.19 mW/g; SAR(10 g) = 2.38 mW/g

Maximum value of SAR (measured) = 7.454 mW/g



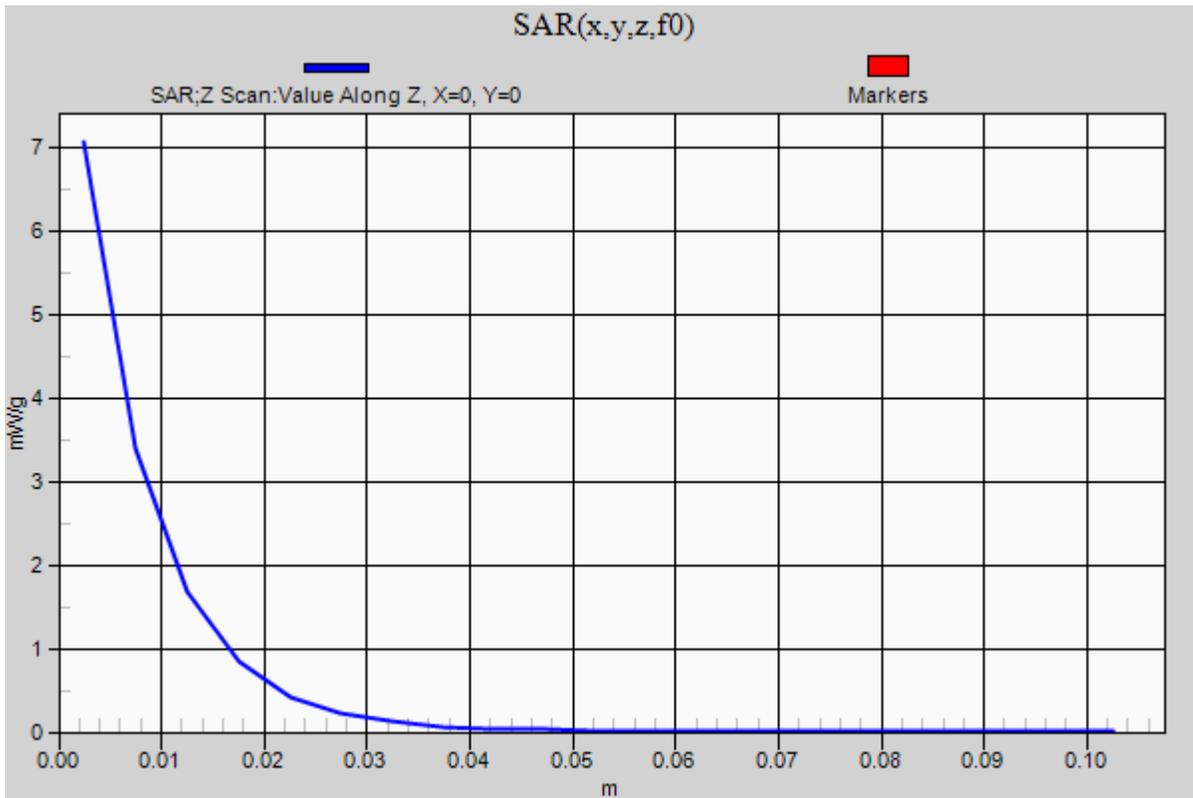
0 dB = 7.450mW/g

Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 7.057 mW/g



Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.453$; $\rho = 1000$ 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 - SN3686; ConvF(6.86, 6.86, 6.86); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: SAM with CRP v5.0 (A); Type: QD000P40CD; Serial: 1602
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/Pin=100 mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 7.141 mW/g

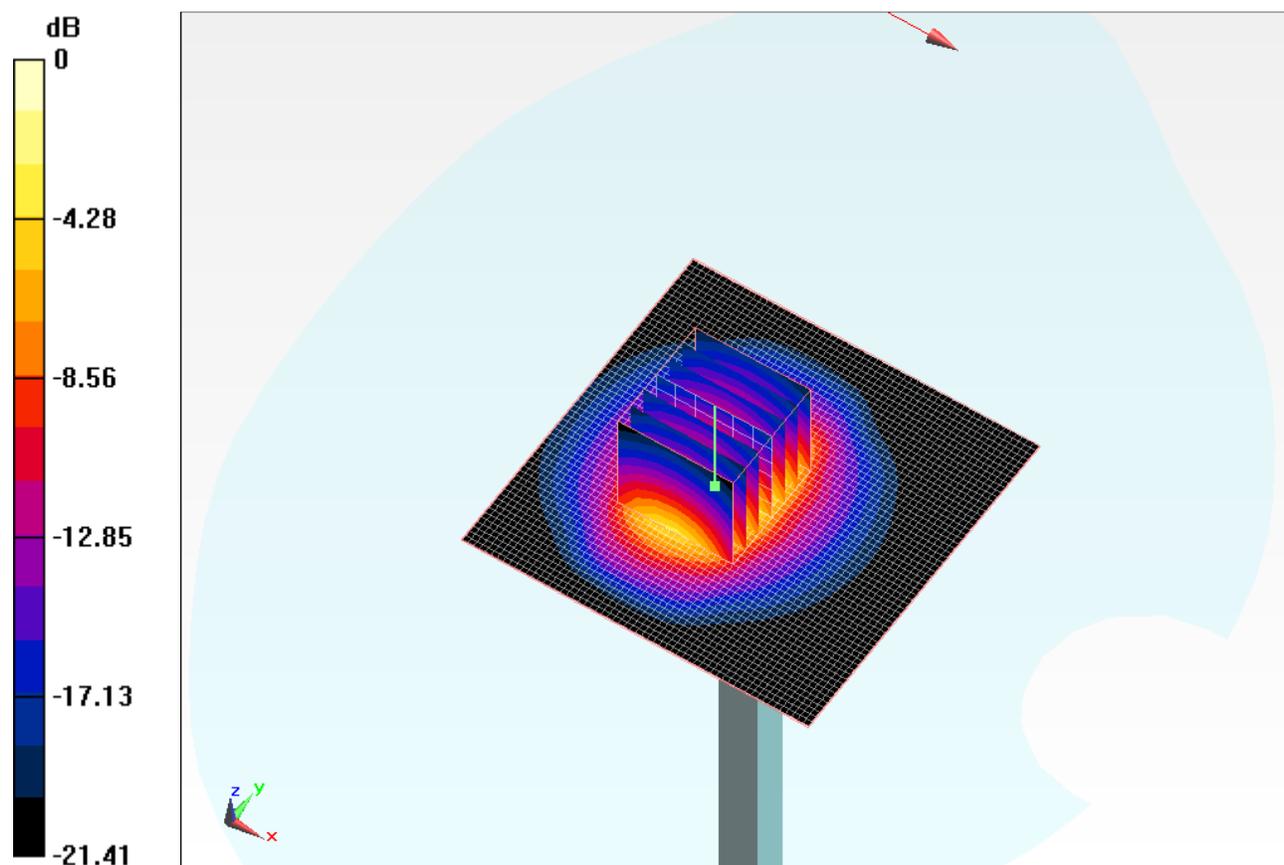
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.773 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 10.280 W/kg

SAR(1 g) = 5.05 mW/g; SAR(10 g) = 2.34 mW/g

Maximum value of SAR (measured) = 7.134 mW/g



0 dB = 7.130mW/g

Test Laboratory: UL CCS SAR Lab A

SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.304 mW/g

