

System Check_Head_835MHz_120909

DUT: D835V2 - SN: 4d091

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

Medium: HSL_835_120909 Medium parameters used: $f = 835$ MHz; $\sigma = 0.913$ mho/m; $\epsilon_r = 40.859$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.546 mW/g

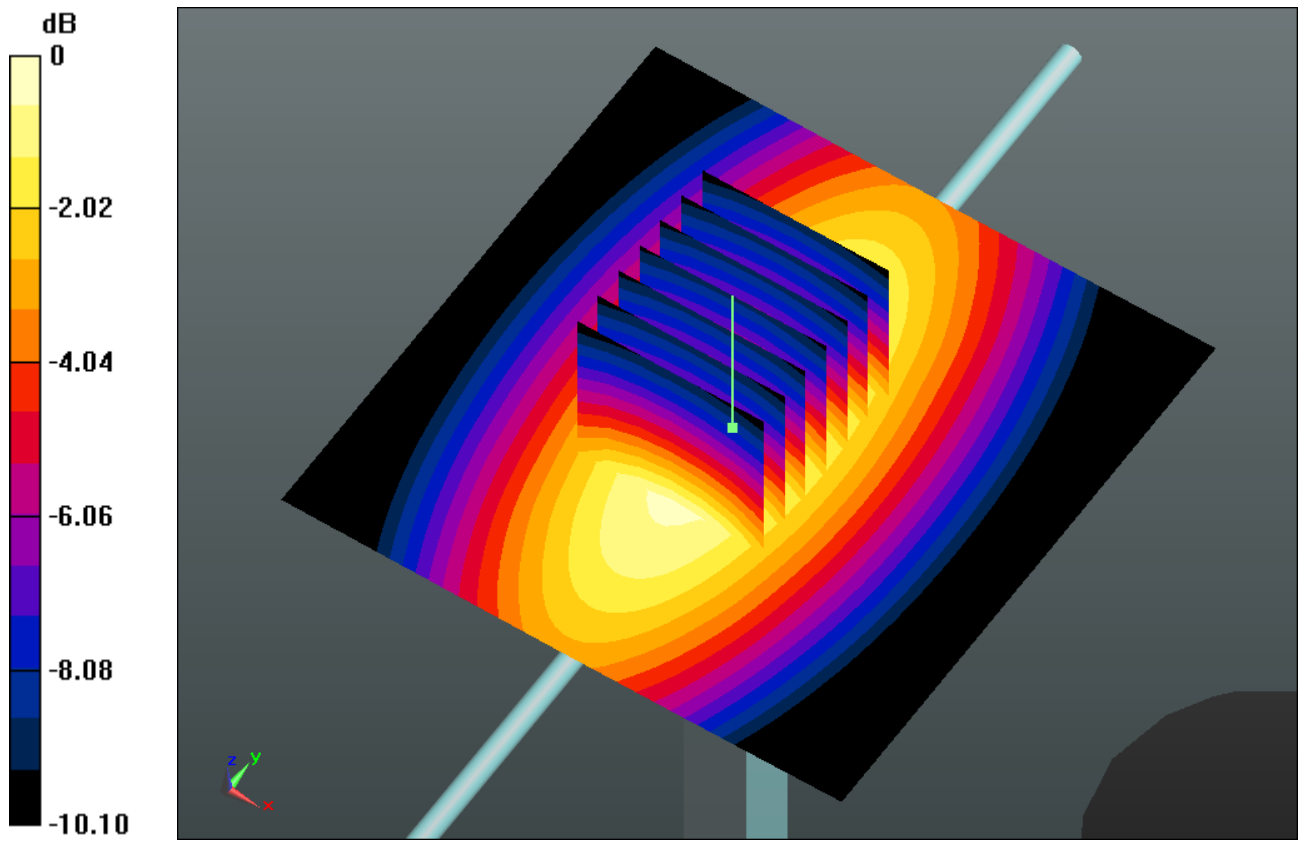
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.039 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.474 W/kg

SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.61 mW/g

Maximum value of SAR (measured) = 2.611 mW/g



0 dB = 2.610mW/g

System Check_Head_835MHz_120911

DUT: D835V2 - SN: 4d091

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

Medium: HSL_850_120911 Medium parameters used: $f = 835$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 42.674$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.585 mW/g

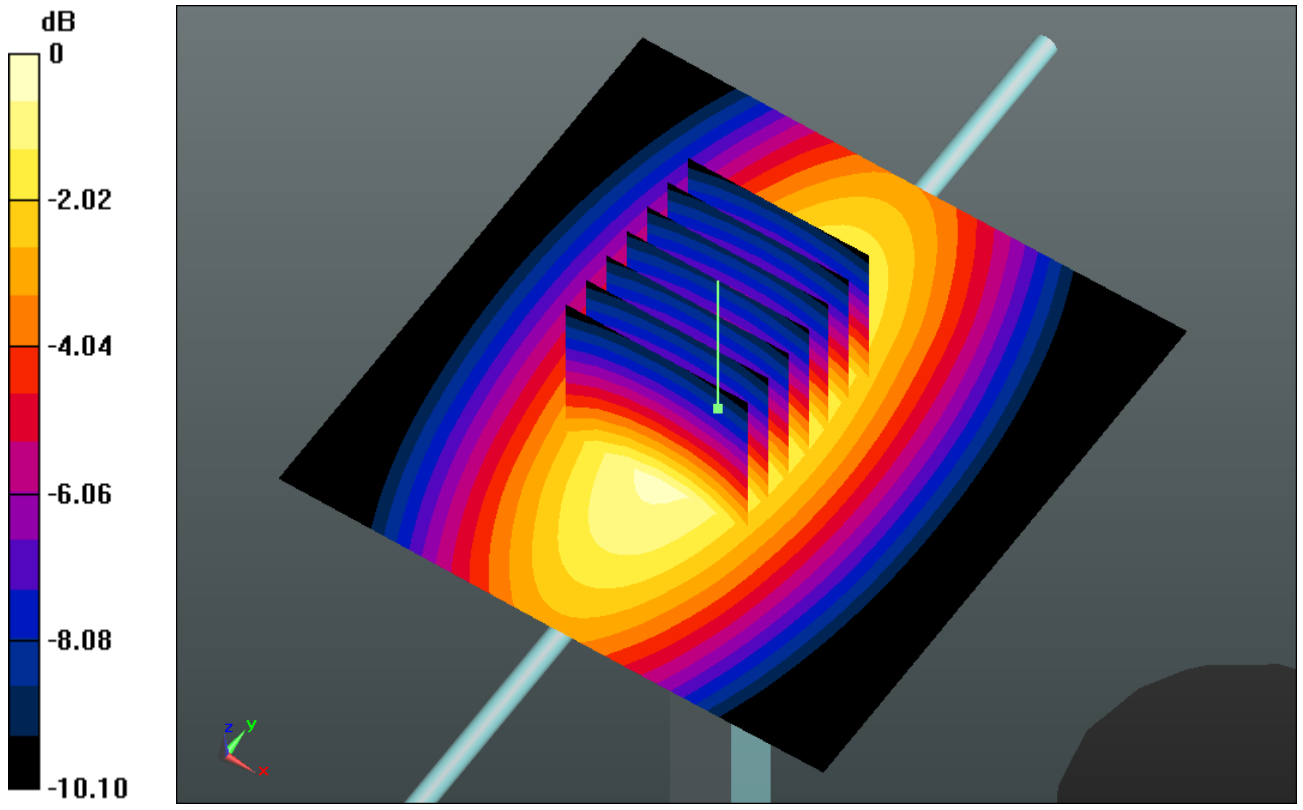
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.039 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.527 W/kg

SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.64 mW/g

Maximum value of SAR (measured) = 2.651 mW/g



0 dB = 2.650mW/g

System Check_Head_1900MHz_120908

DUT: D1900V2 - SN: 5d118

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

Medium: HSL_1900_120908 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r =$

40.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 11.079 mW/g

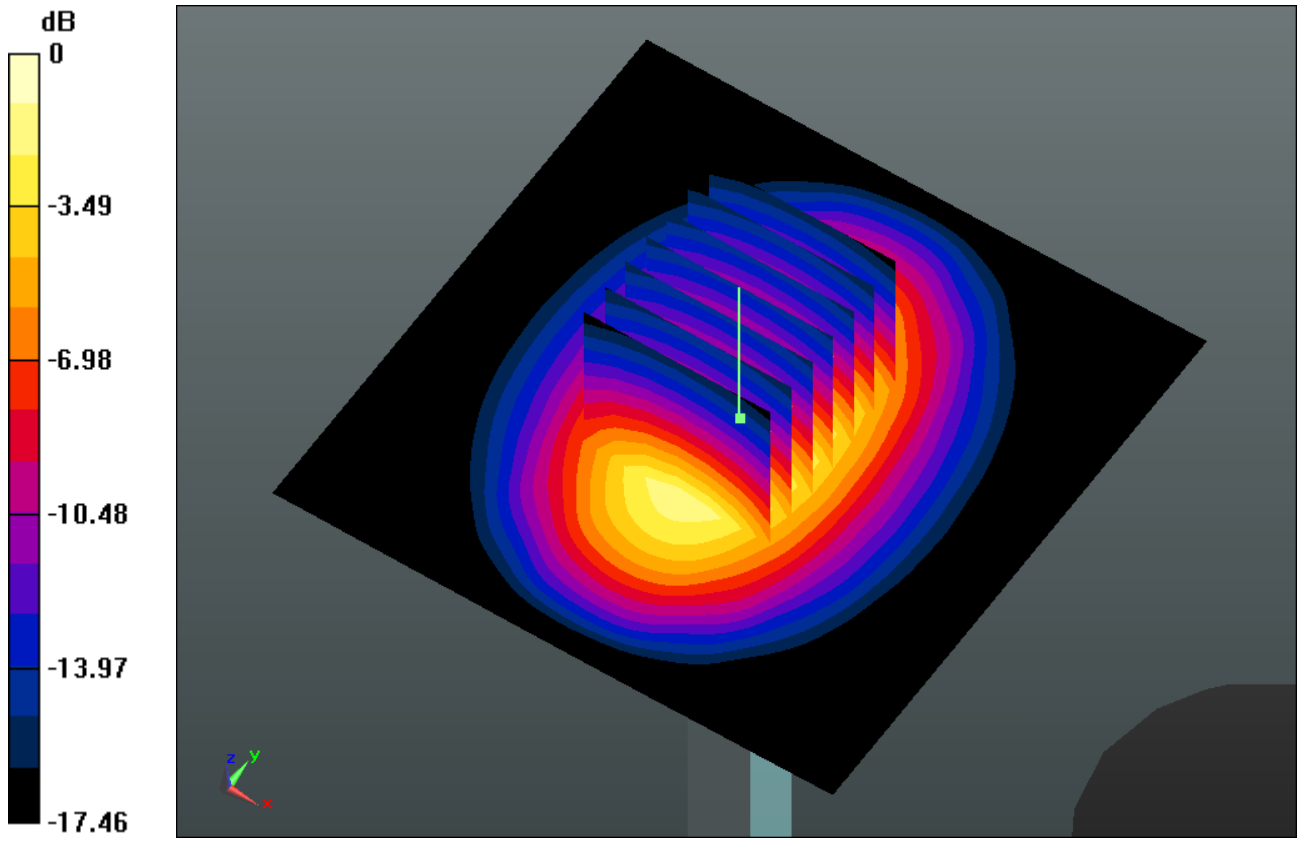
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.319 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 18.511 W/kg

SAR(1 g) = 9.77 mW/g; SAR(10 g) = 5.07 mW/g

Maximum value of SAR (measured) = 10.958 mW/g



0 dB = 10.960mW/g

System Check_Head_1900MHz_120912

DUT: D1900V2 - SN: 5d118

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

Medium: HSL_1900_120912 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.415$ mho/m; $\epsilon_r =$

40.527 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 11.048 mW/g

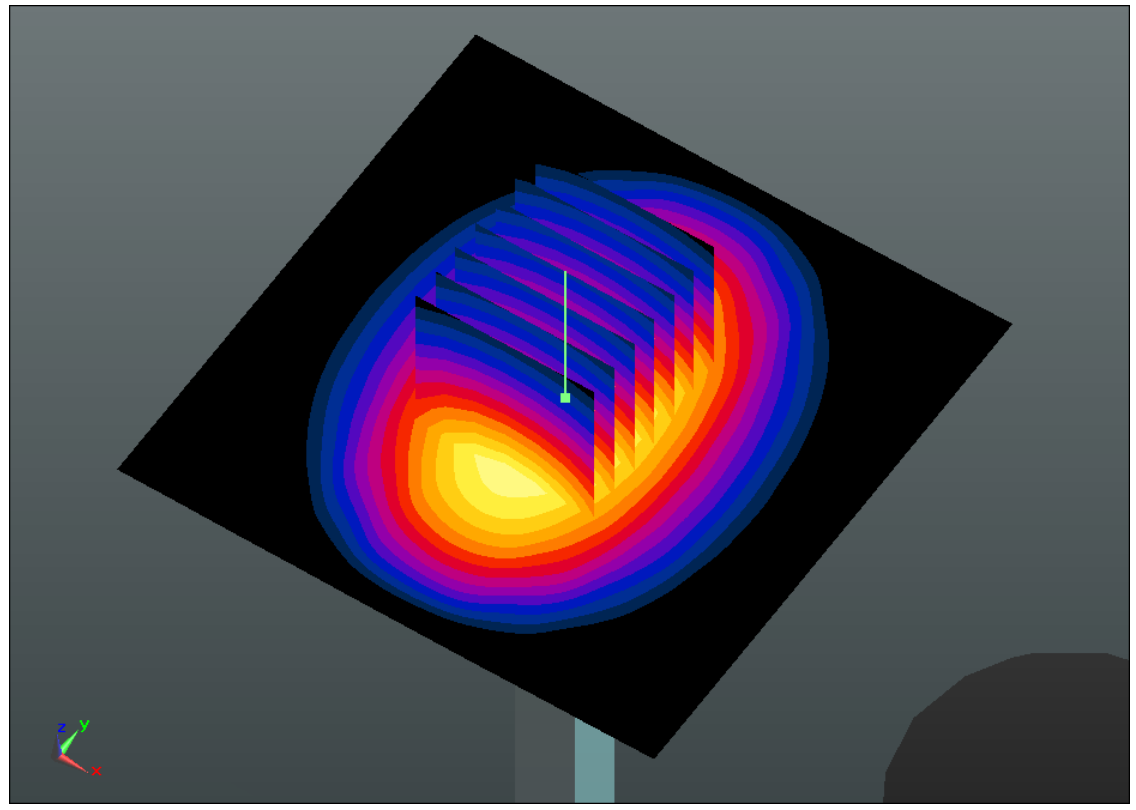
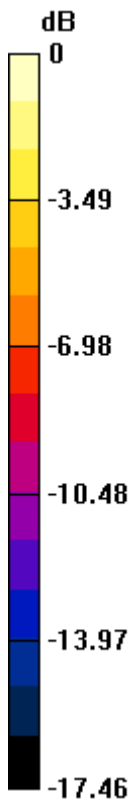
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.319 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 18.460 W/kg

SAR(1 g) = 9.74 mW/g; SAR(10 g) = 5.06 mW/g

Maximum value of SAR (measured) = 10.927 mW/g



0 dB = 10.930mW/g

System Check_Head_2450MHz_120914

DUT: D2450V2 - SN: 736

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

Medium: HSL_2450_120914 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.856$ mho/m; $\epsilon_r =$

37.685 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 16.002 mW/g

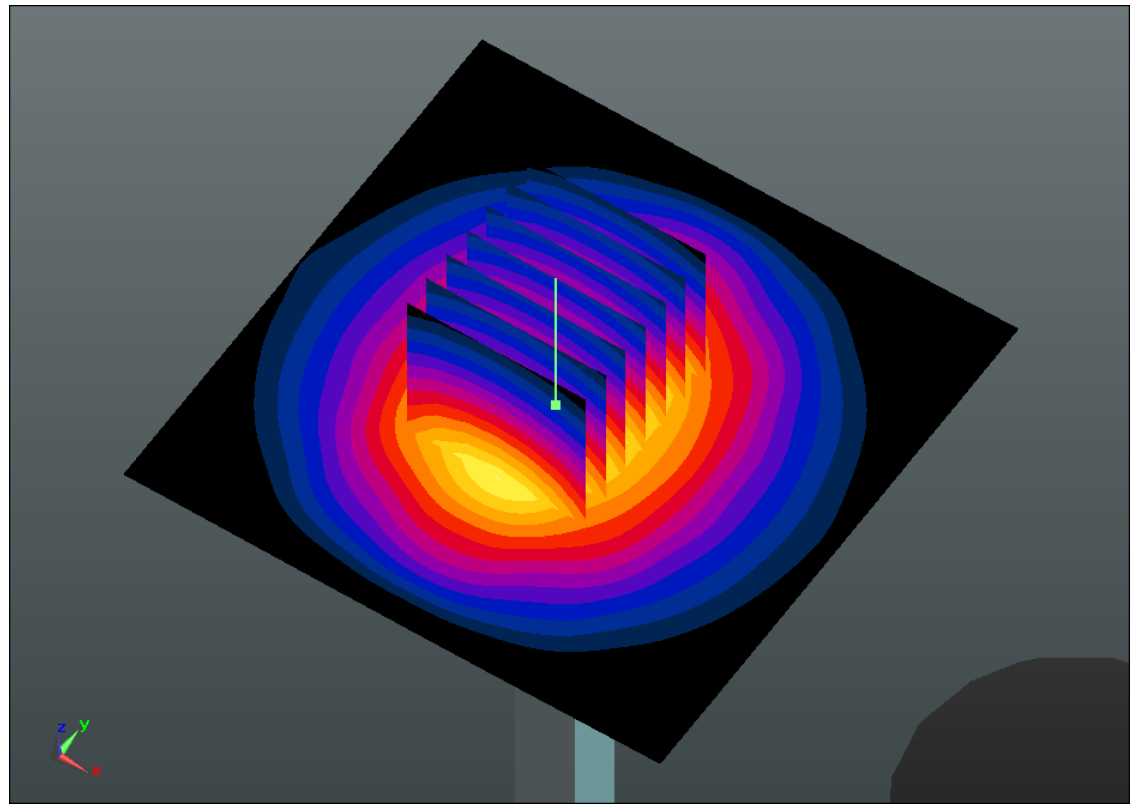
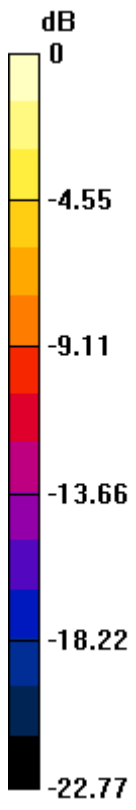
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.167 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 30.980 W/kg

SAR(1 g) = 14.2 mW/g; SAR(10 g) = 6.44 mW/g

Maximum value of SAR (measured) = 16.078 mW/g



0 dB = 16.080mW/g

System Check_Body_835MHz_120910

DUT: D835V2 - SN: 4d091

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

Medium: MSL_835_120910 Medium parameters used: $f = 835$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.111$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.658 mW/g

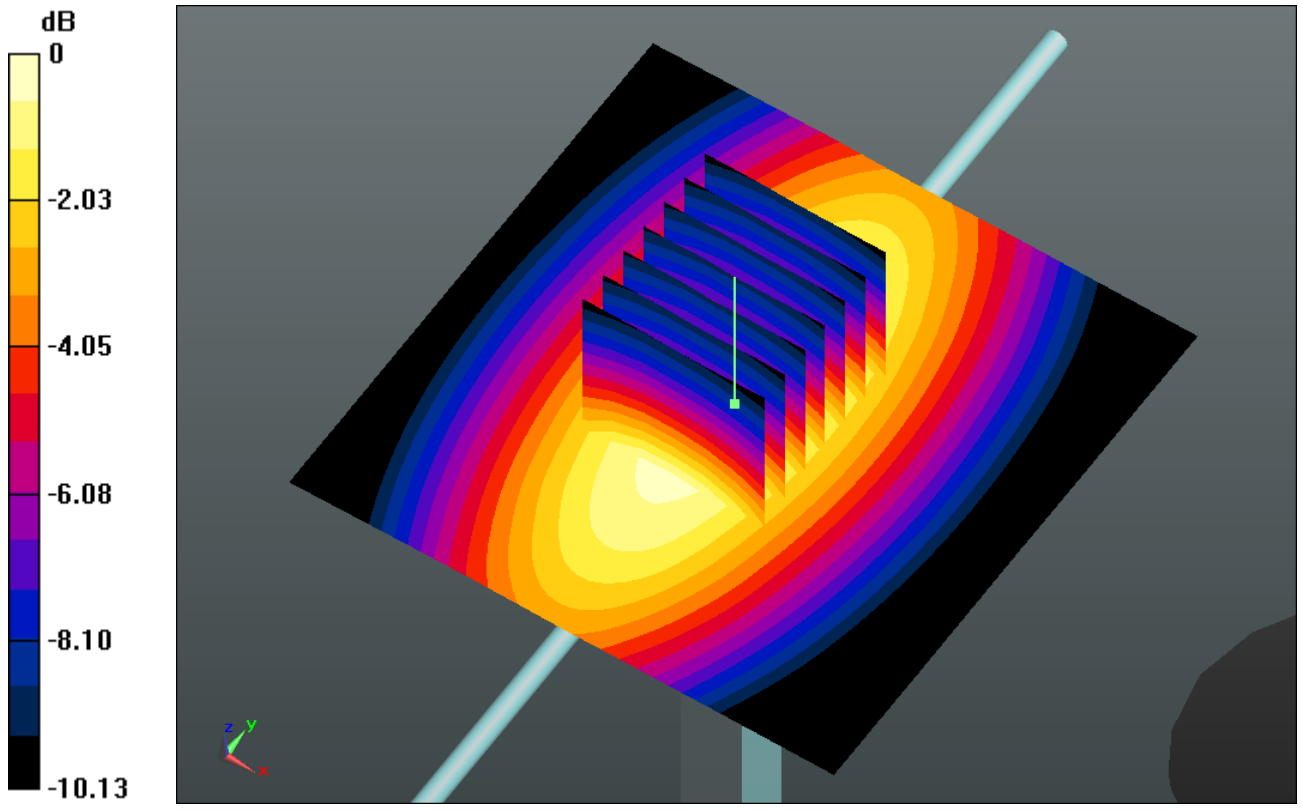
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.438 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.614 W/kg

SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.65 mW/g

Maximum value of SAR (measured) = 2.690 mW/g



0 dB = 2.690mW/g

System Check_Body_835MHz_120914

DUT: D835V2 - SN: 4d091

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

Medium: MSL_835_120914 Medium parameters used: $f = 835$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 55.57$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.713 mW/g

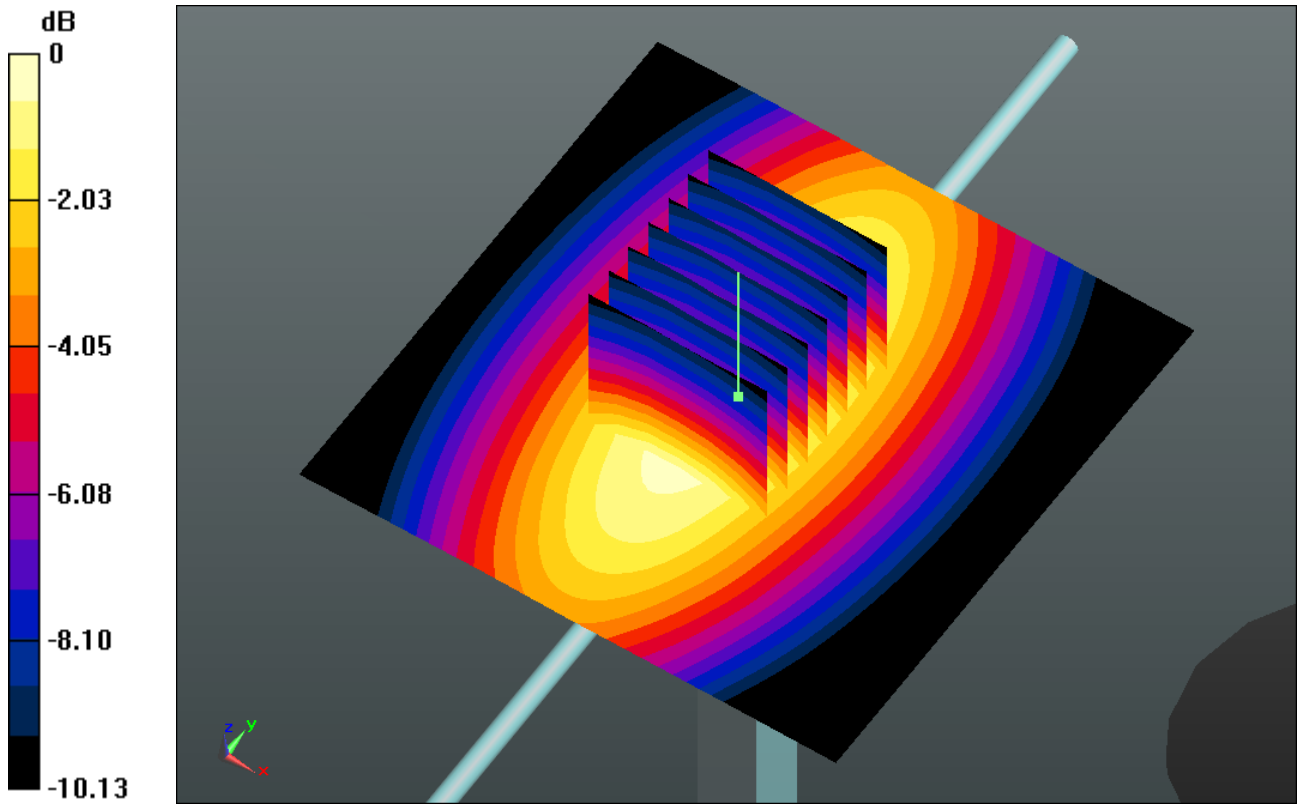
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.438 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.690 W/kg

SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.68 mW/g

Maximum value of SAR (measured) = 2.746 mW/g



0 dB = 2.750mW/g

System Check_Body_1900MHz_120909

DUT: D1900V2 - SN: 5d118

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

Medium: MSL_1900_120909 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r =$

54.671 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.480 mW/g

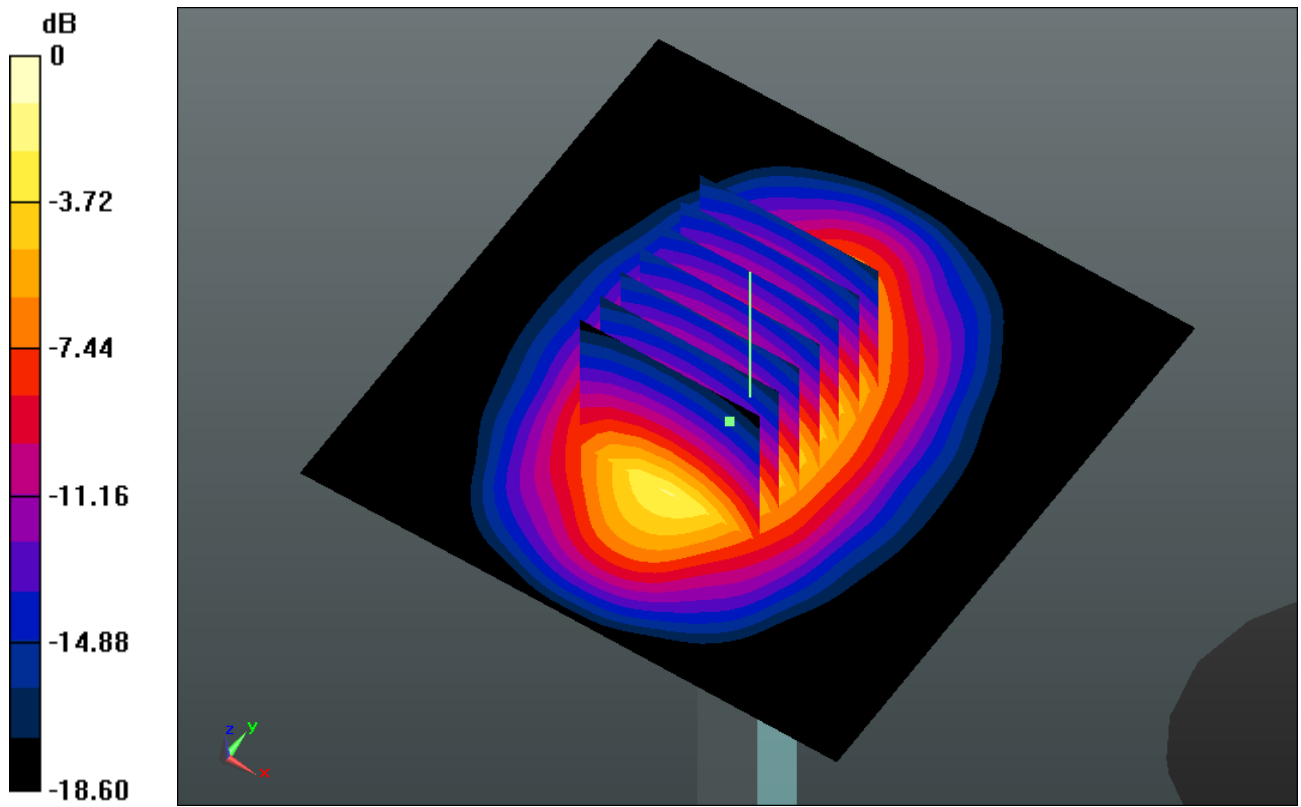
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.001 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 18.549 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.19 mW/g

Maximum value of SAR (measured) = 11.372 mW/g



0 dB = 11.370mW/g

System Check_Body_1900MHz_120914

DUT: D1900V2 - SN: 5d118

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

Medium: MSL_1900_120914 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.512$ mho/m; $\epsilon_r =$

53.903 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.341 mW/g

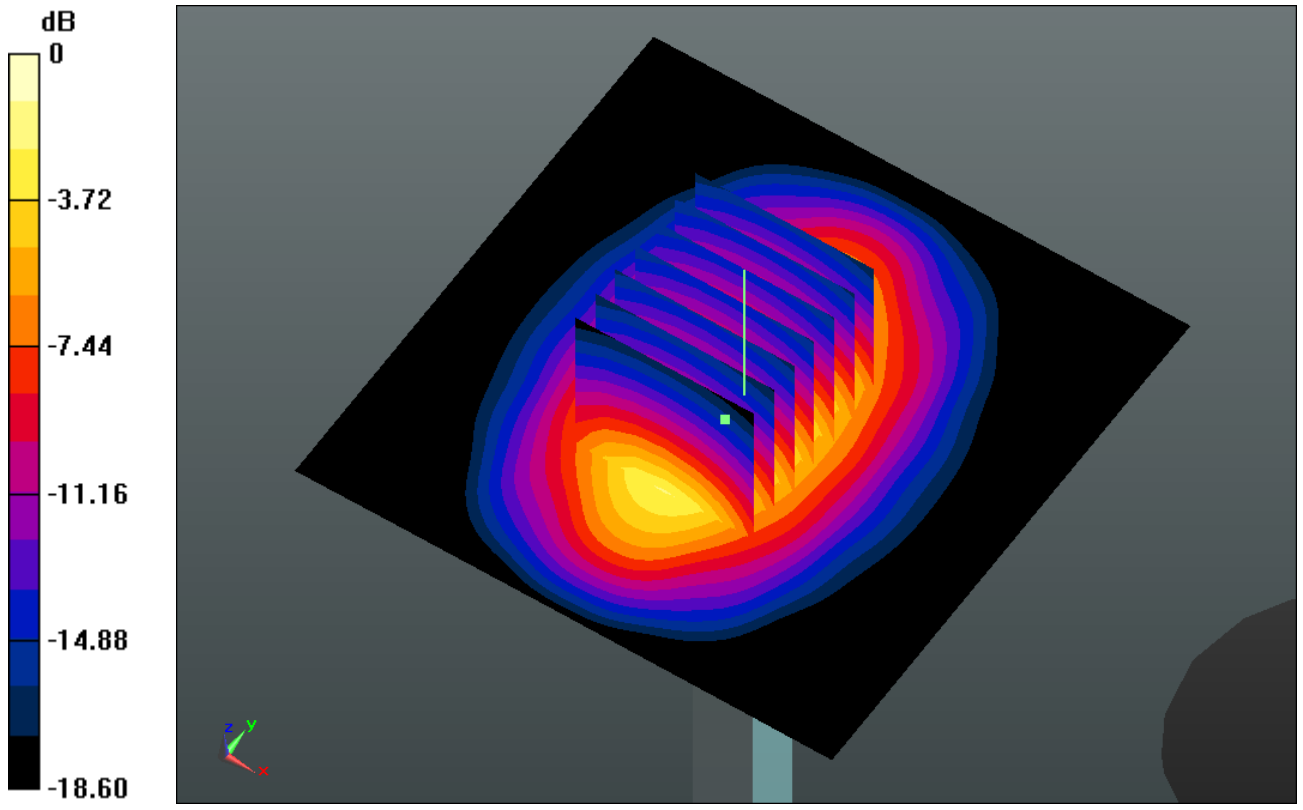
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.001 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 18.324 W/kg

SAR(1 g) = 9.98 mW/g; SAR(10 g) = 5.13 mW/g

Maximum value of SAR (measured) = 11.234 mW/g



0 dB = 11.230mW/g

System Check_Body_2450MHz_120915

DUT: D2450V2 - SN: 736

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

Medium: MSL_2450_120915 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r =$

53.859; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 15.265 mW/g

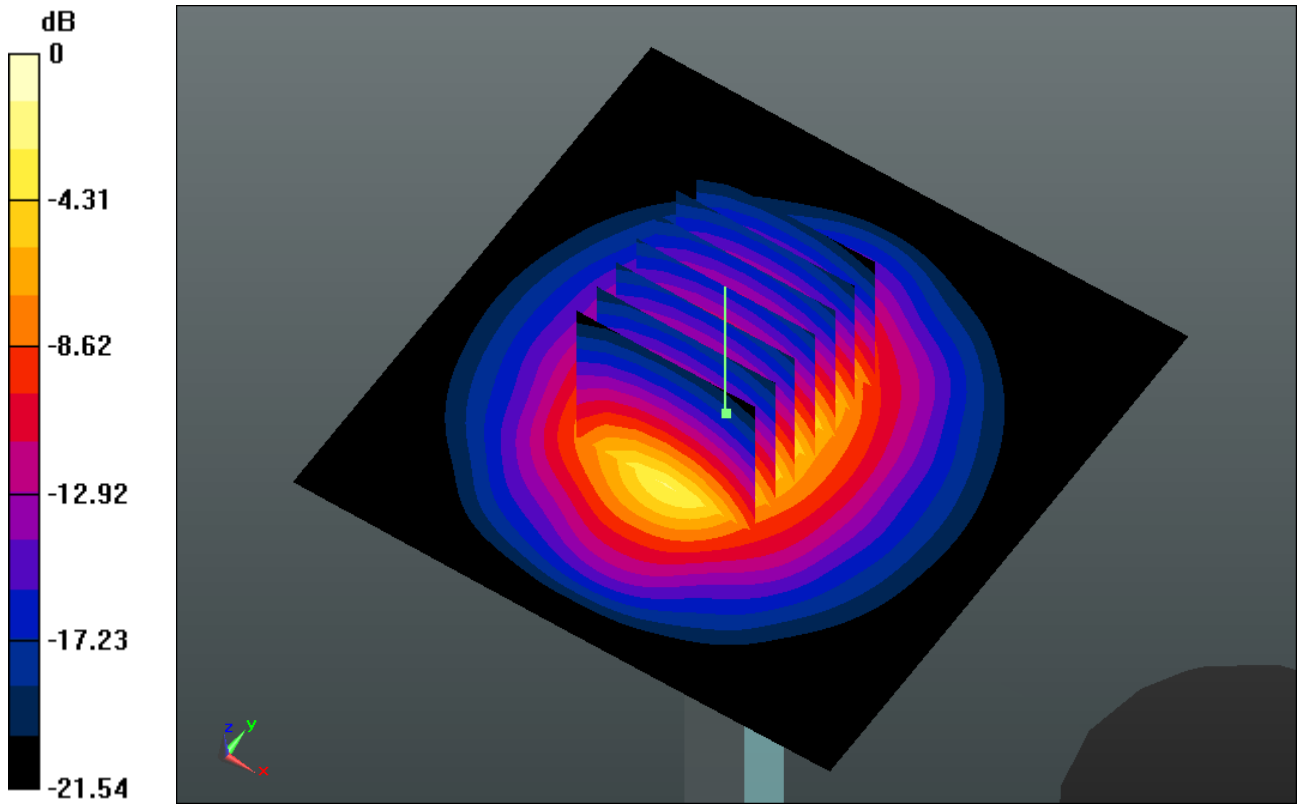
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.342 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 28.139 W/kg

SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.19 mW/g

Maximum value of SAR (measured) = 15.430 mW/g



0 dB = 15.430mW/g