

System Check_Head_835MHz_150203

DUT: D835V2 - SN:4d091

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

Medium: HSL_835_150203 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.894 \text{ mho/m}$; $\epsilon_r = 41.382$;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.4 \text{ }^\circ\text{C}$; Liquid Temperature : $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.41, 9.41, 9.41); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.877 mW/g

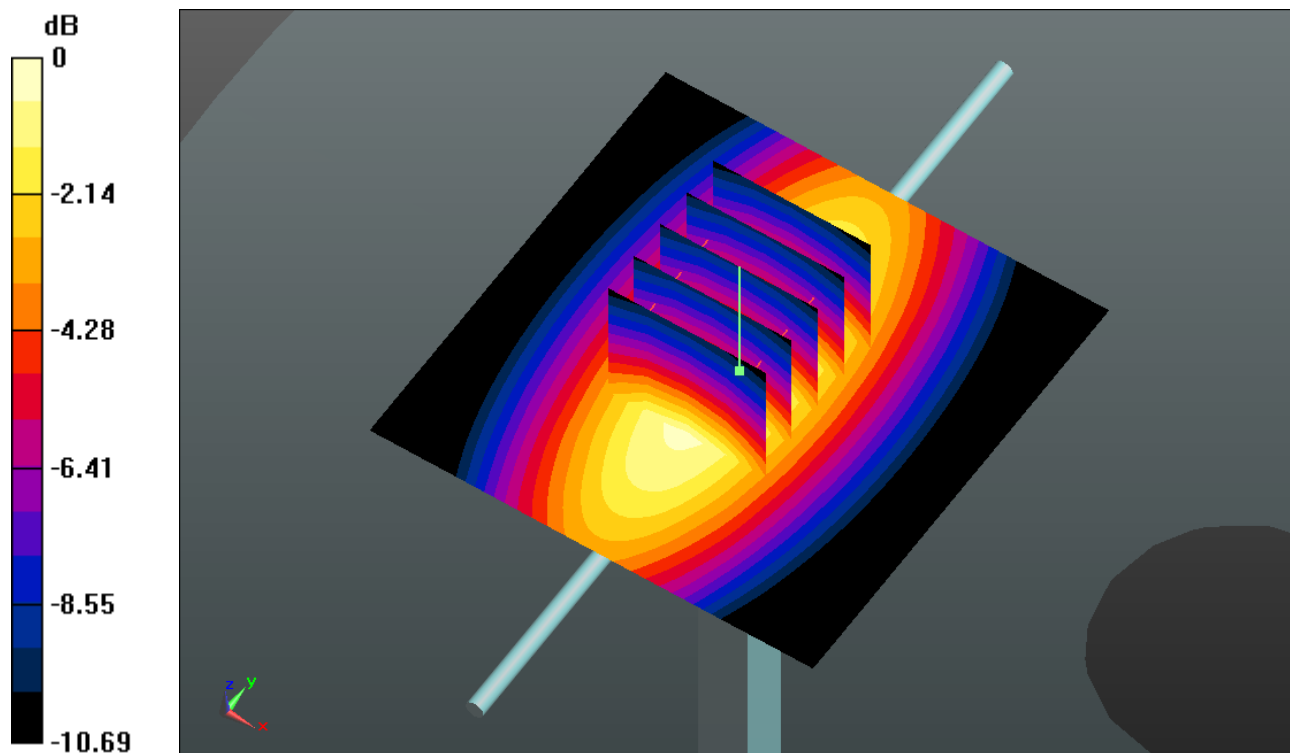
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 52.043 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.446 W/kg

SAR(1 g) = 2.33 mW/g ; SAR(10 g) = 1.53 mW/g

Maximum value of SAR (measured) = 2.946 mW/g



0 dB = 2.950mW/g

System Check_Head_835MHz_150418

DUT: D835V2 - SN:4d091

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

Medium: HSL_835_150418 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.893 \text{ mho/m}$; $\epsilon_r = 41.38$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.41, 9.41, 9.41); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 3.002 mW/g

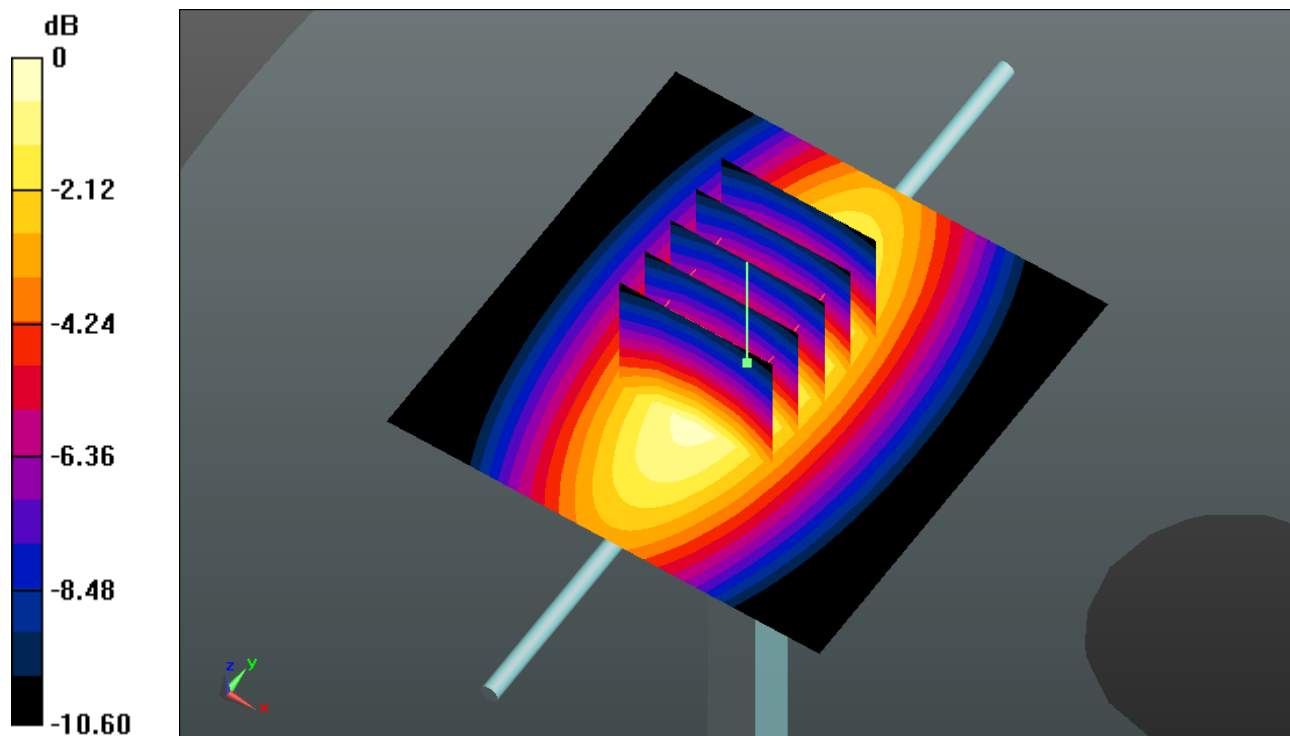
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.670 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.514 W/kg

SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.56 mW/g

Maximum value of SAR (measured) = 2.999 mW/g



0 dB = 3.000mW/g

System Check_Head_1900MHz-150206

DUT: D1900V2 - SN:5d118

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

Medium: HSL_1900_150206 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r =$

39.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.4, 8.4, 8.4); Calibrated: 2014.05.23

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 14.797 mW/g

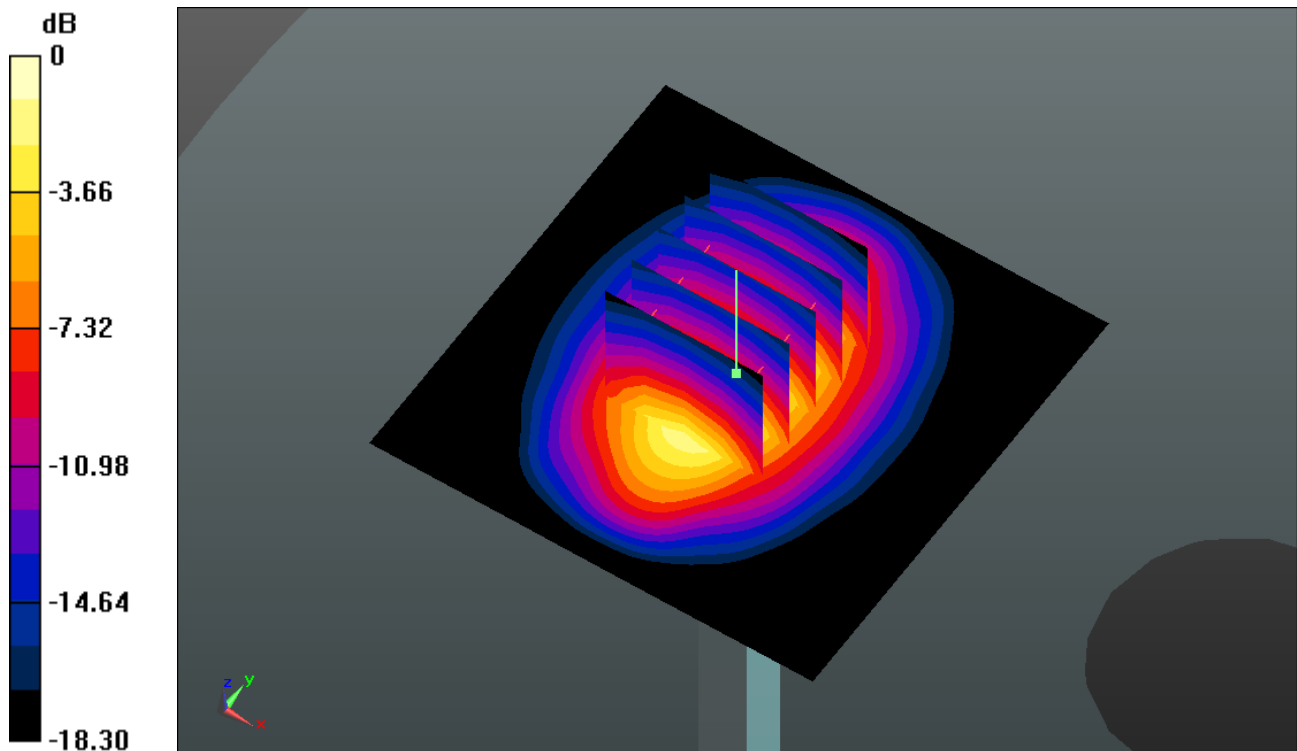
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.074 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 19.107 W/kg

SAR(1 g) = 10.20 mW/g; SAR(10 g) = 5.26 mW/g

Maximum value of SAR (measured) = 14.906 mW/g



0 dB = 14.910mW/g

System Check_Head_1900MHz_150419

DUT: D1900V2 - SN:5d118

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

Medium: HSL_1900_150419 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.393$ mho/m; $\epsilon_r =$

41.758 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.4, 8.4, 8.4); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 13.396 mW/g

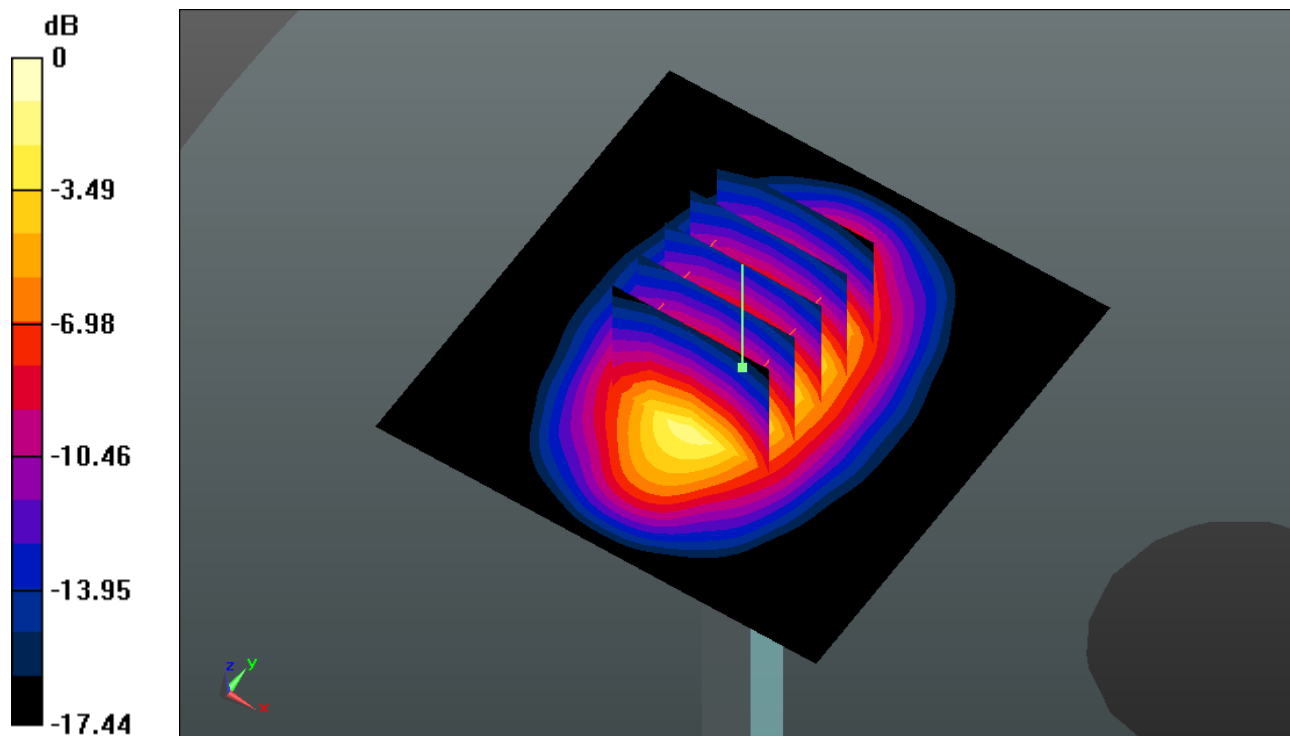
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.827 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 16.793 W/kg

SAR(1 g) = 9.56 mW/g; SAR(10 g) = 4.85 mW/g

Maximum value of SAR (measured) = 13.308 mW/g



0 dB = 13.310mW/g

System Check_Head_2450MHz_150418

DUT: D2450V2 - SN:840

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

Medium: HSL_2450_150418 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.829$ mho/m; $\epsilon_r =$

40.081 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.48, 7.48, 7.48); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 20.748 mW/g

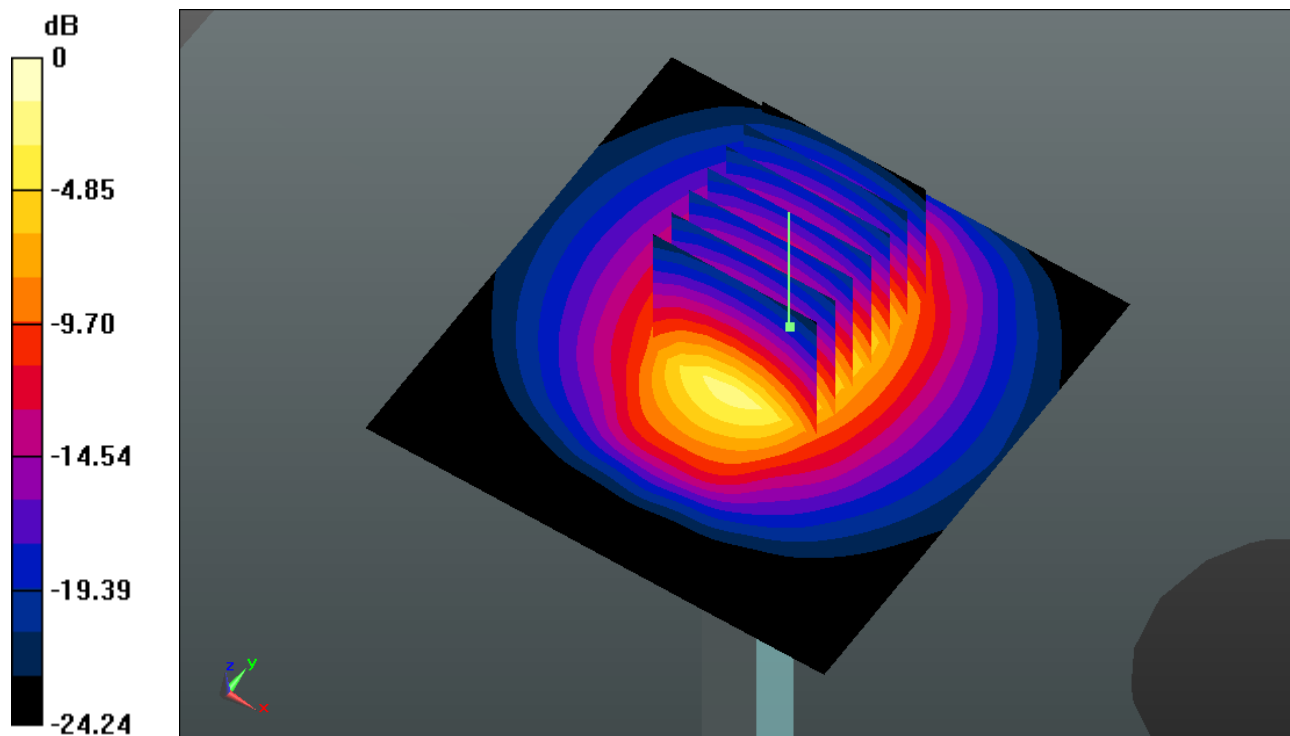
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.474 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 29.308 W/kg

SAR(1 g) = 13.3 mW/g; SAR(10 g) = 5.95 mW/g

Maximum value of SAR (measured) = 20.865 mW/g



0 dB = 20.860mW/g

System Check_Head_2600MHz_150206

DUT: D2600V2 - SN:1061

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600_150206 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$

38.204 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.3, 7.3, 7.3); Calibrated: 2014.05.23

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 22.047 mW/g

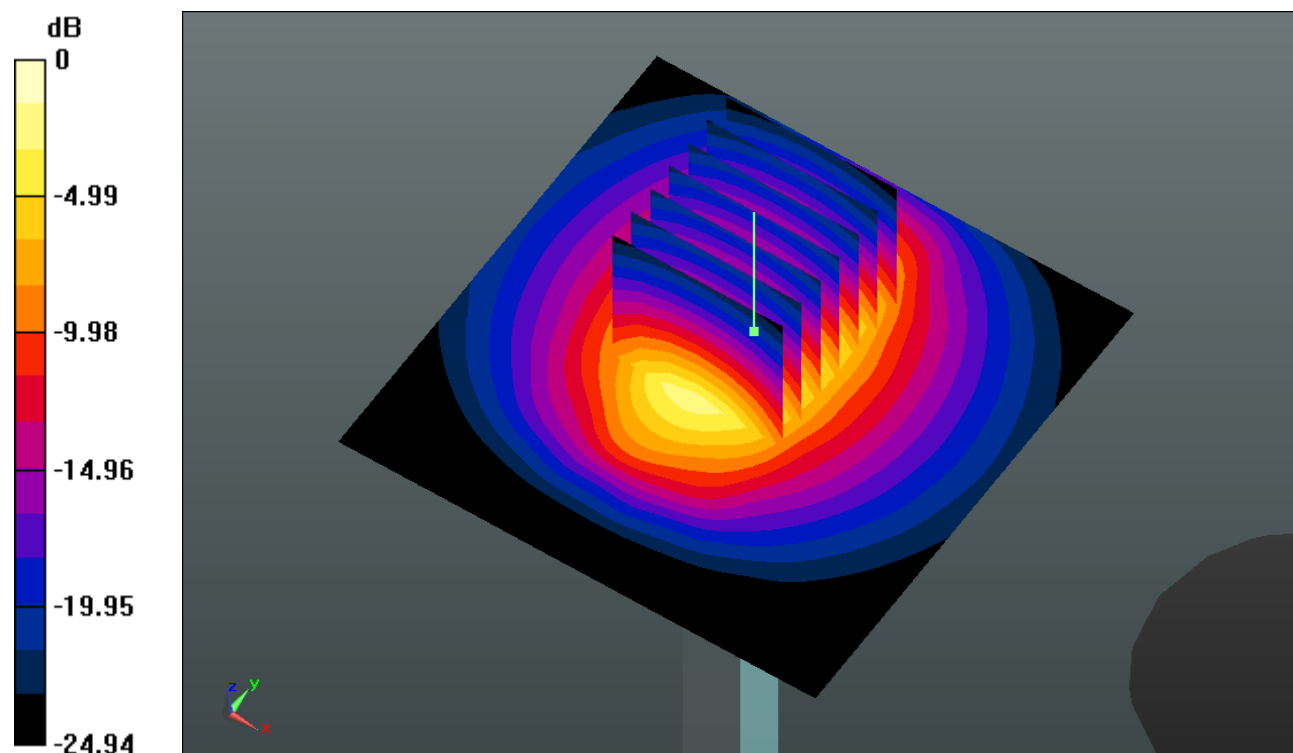
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.850 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 31.303 W/kg

SAR(1 g) = 14.00 mW/g; SAR(10 g) = 6.18 mW/g

Maximum value of SAR (measured) = 22.288 mW/g



0 dB = 22.290mW/g

System Check_Head_2600MHz_150418

DUT: D2600V2 - SN:1061

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600_150418 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.981$ mho/m; $\epsilon_r =$

38.254 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.3, 7.3, 7.3); Calibrated: 2014.05.23

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 21.997 mW/g

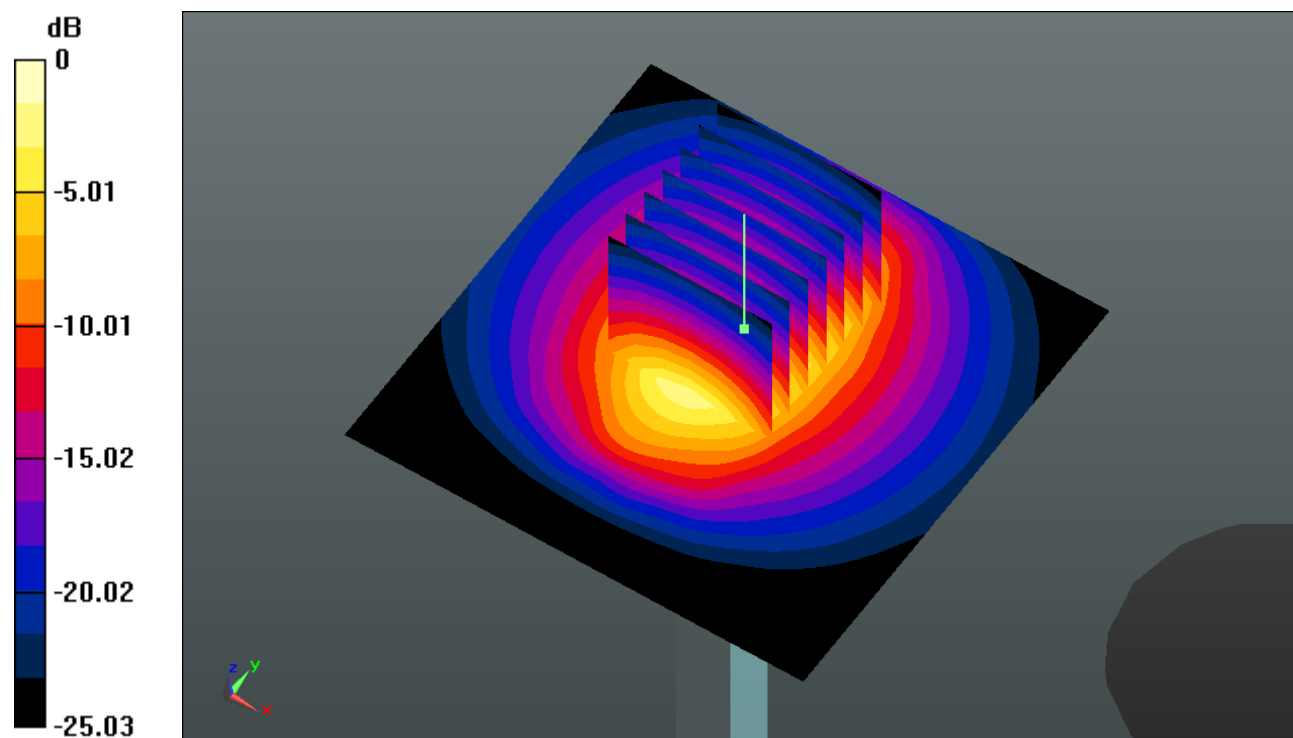
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.020 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 31.259 W/kg

SAR(1 g) = 14 mW/g; SAR(10 g) = 6.17 mW/g

Maximum value of SAR (measured) = 22.230 mW/g



0 dB = 22.230mW/g

System Check_Body_835MHz_150208

DUT: D835V2 - SN:4d091

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

Medium: MSL_835_150208 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.979 \text{ mho/m}$; $\epsilon_r = 54.083$;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.31, 9.31, 9.31); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 2.864 mW/g

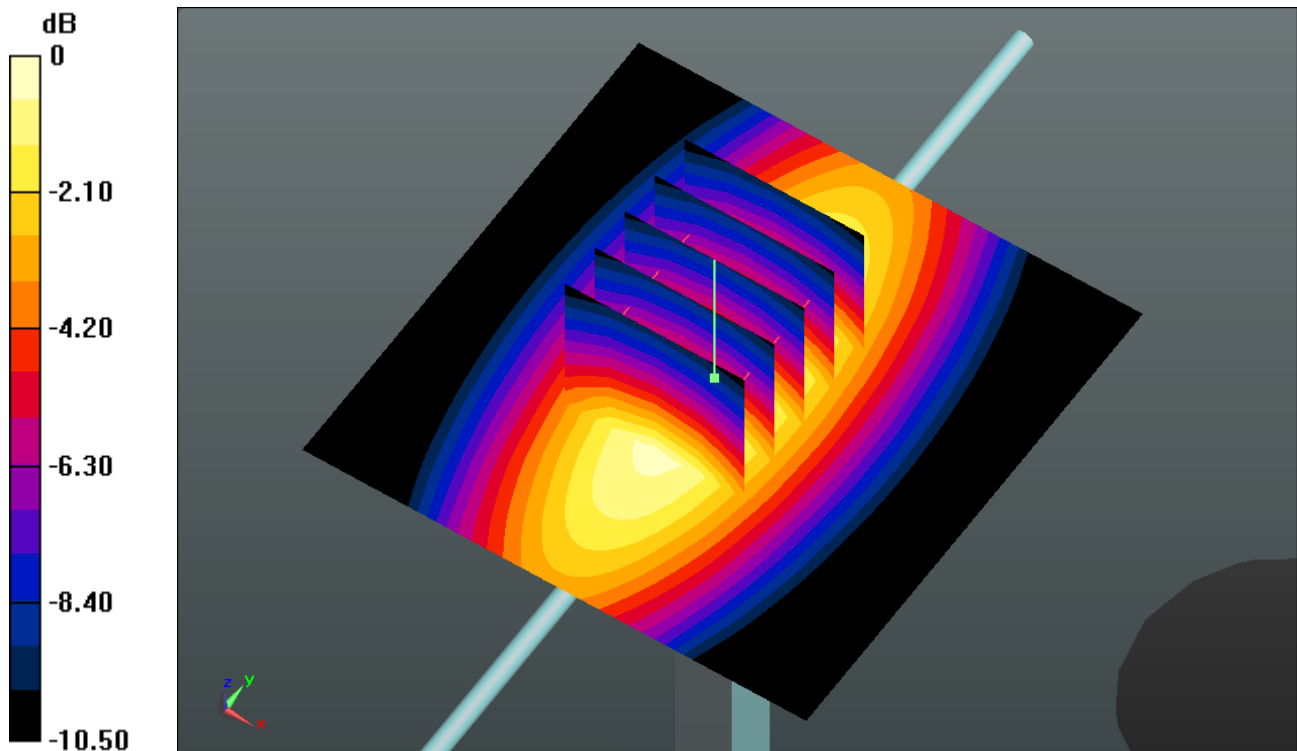
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.212 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.391 W/kg

SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (measured) = 2.915 mW/g



0 dB = 2.920mW/g

System Check_Body_835MHz_150419

DUT: D835V2 - SN:4d091

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

Medium: MSL_835_150419 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.983 \text{ mho/m}$; $\epsilon_r = 55.166$;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.4 \text{ }^\circ\text{C}$; Liquid Temperature : $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.31, 9.31, 9.31); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.860 mW/g

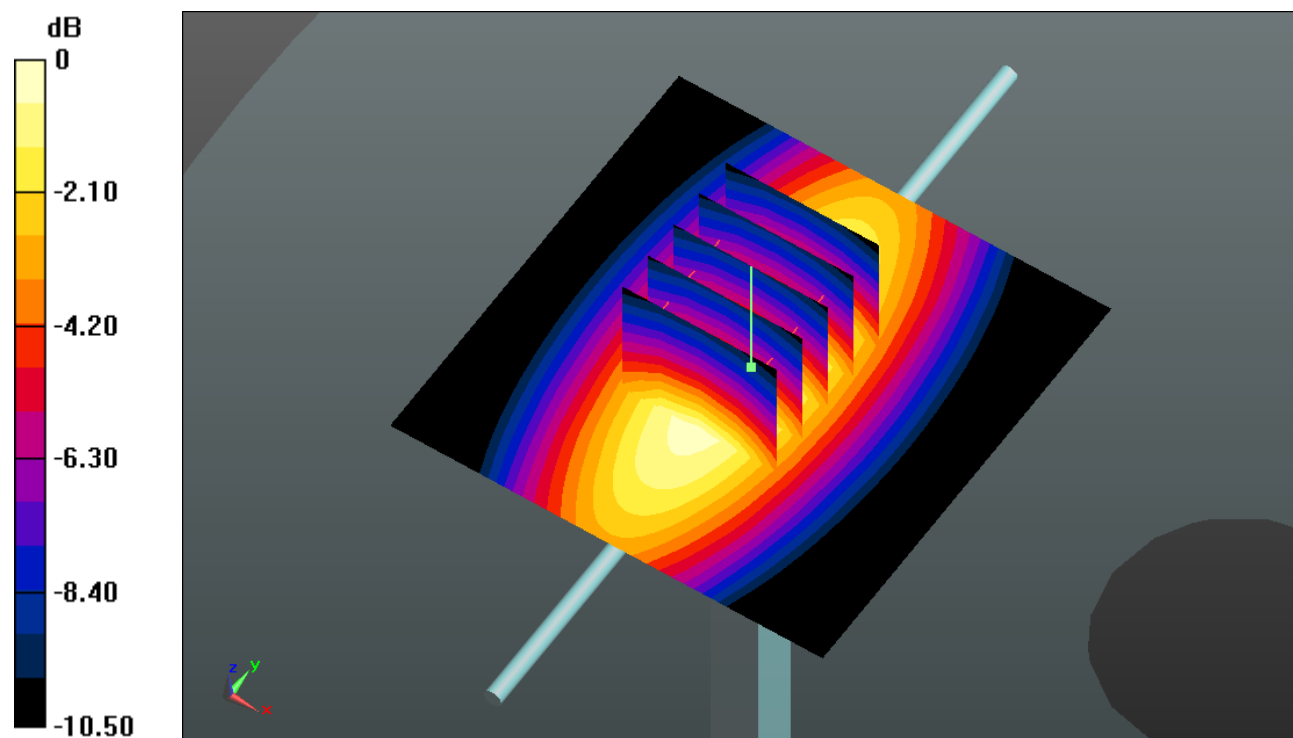
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.007 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.305 W/kg

SAR(1 g) = 2.25 mW/g ; SAR(10 g) = 1.48 mW/g

Maximum value of SAR (measured) = 2.841 mW/g



0 dB = 2.840mW/g

System Check_Body_1900MHz_150205

DUT: D1900V2 - SN:5d118

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

Medium: MSL_1900_150205 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.550$ mho/m; $\epsilon_r =$

53.153 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 15.299 mW/g

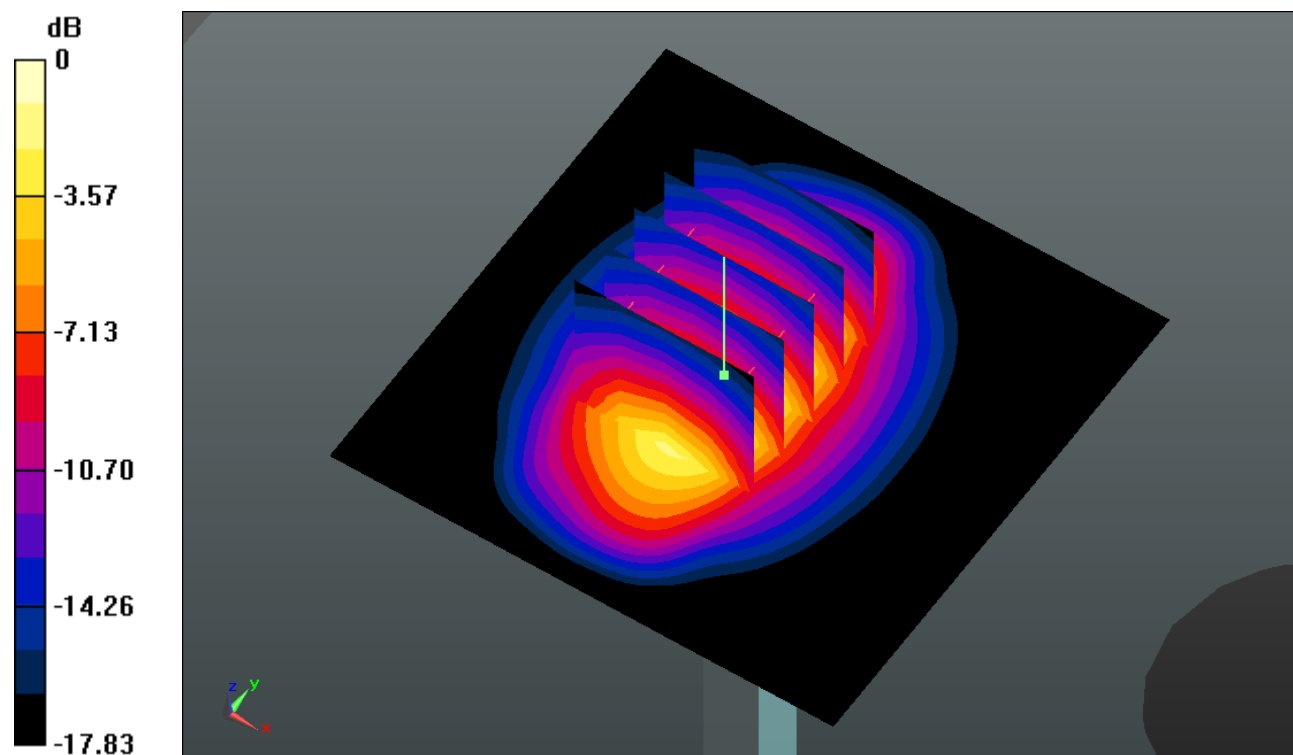
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.045 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 19.909 W/kg

SAR(1 g) = 10.40 mW/g; SAR(10 g) = 5.68 mW/g

Maximum value of SAR (measured) = 15.829 mW/g



0 dB = 15.830mW/g

System Check_Body_1900MHz_150419

DUT: D1900V2 - SN:5d118

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

Medium: MSL_1900_150419 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.549$ mho/m; $\epsilon_r =$

53.346 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 14.561 mW/g

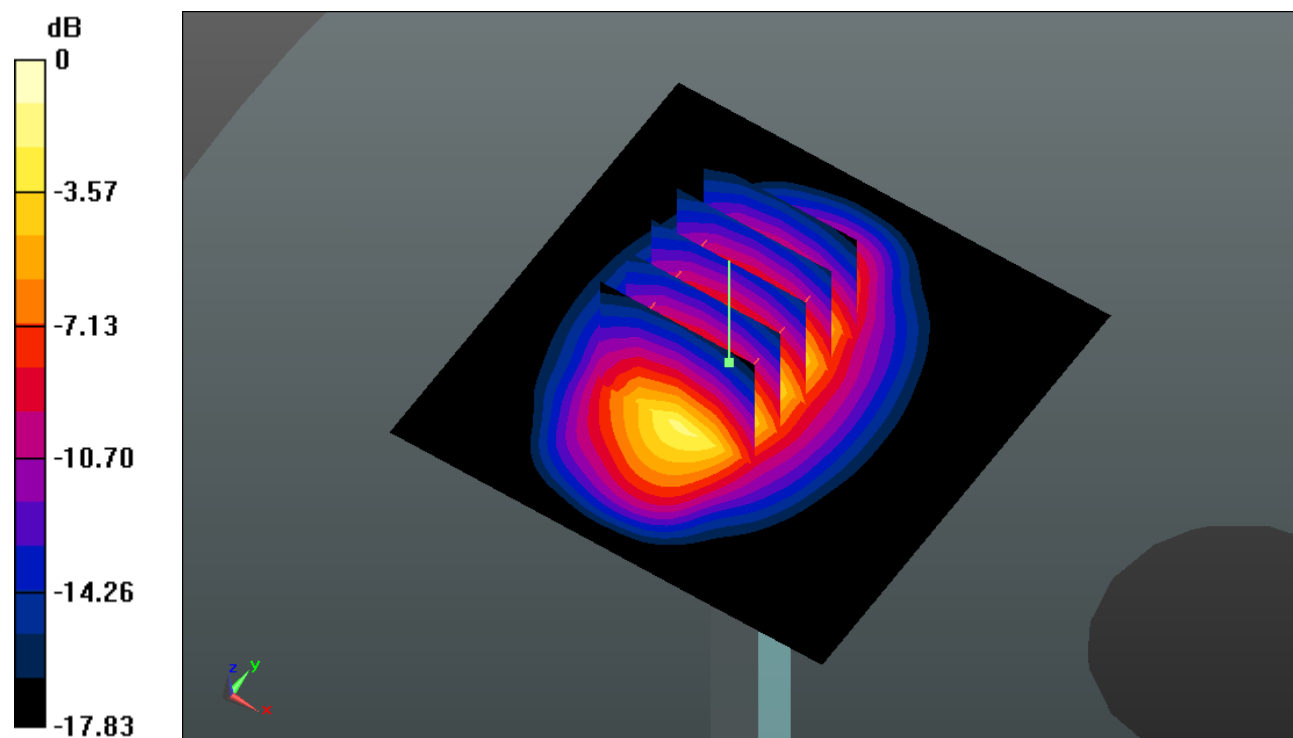
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.759 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 18.954 W/kg

SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.42 mW/g

Maximum value of SAR (measured) = 15.081 mW/g



0 dB = 15.080mW/g

System Check_Body_2450MHz_150418

DUT: D2450V2 - SN:840

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

Medium: MSL_2450_150418 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.943$ mho/m; $\epsilon_r =$

50.967 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.14, 7.14, 7.14); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 19.125 mW/g

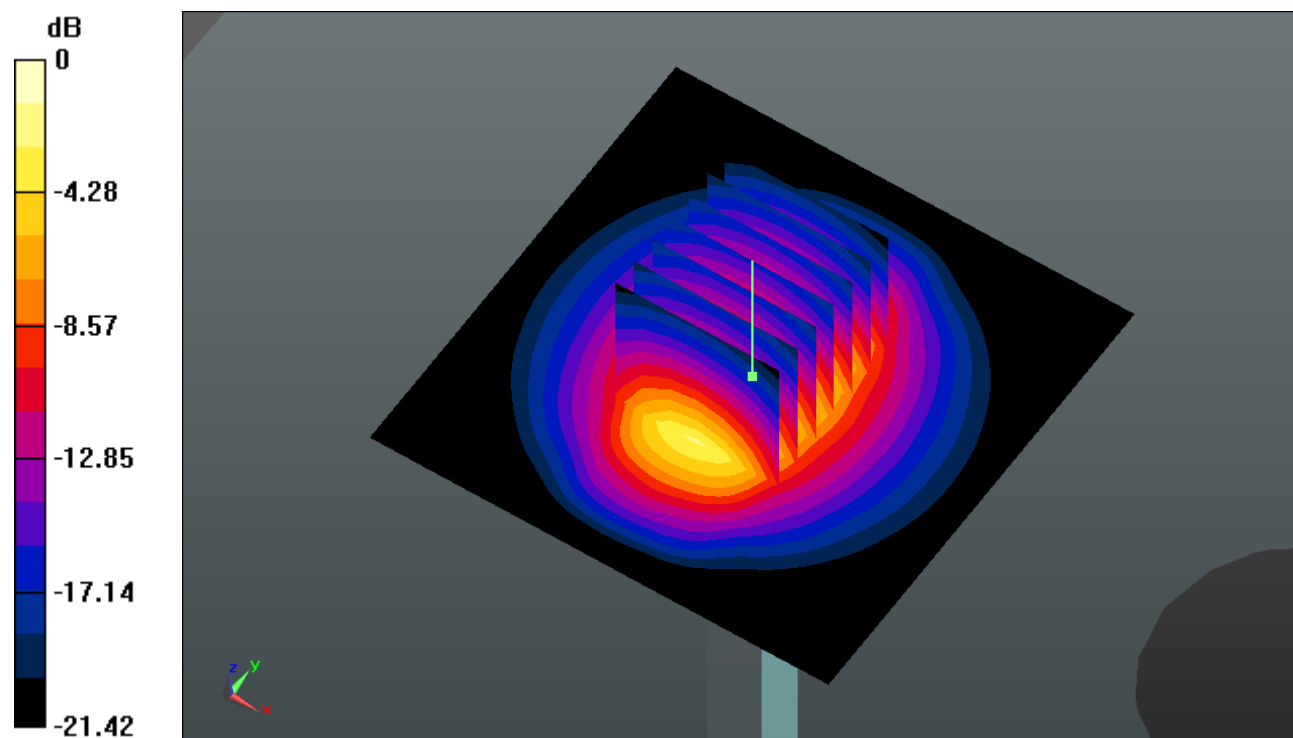
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.622 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 25.053 W/kg

SAR(1 g) = 12.2 mW/g; SAR(10 g) = 5.67 mW/g

Maximum value of SAR (measured) = 18.723 mW/g



0 dB = 18.720mW/g

System Check_Body_2600MHz_150205

DUT: D2600V2 - SN:1061

Communication System: CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: MSL_2600_150205 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.165$ mho/m; $\epsilon_r =$

53.823 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.82, 6.82, 6.82); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (81x81x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 20.370 mW/g

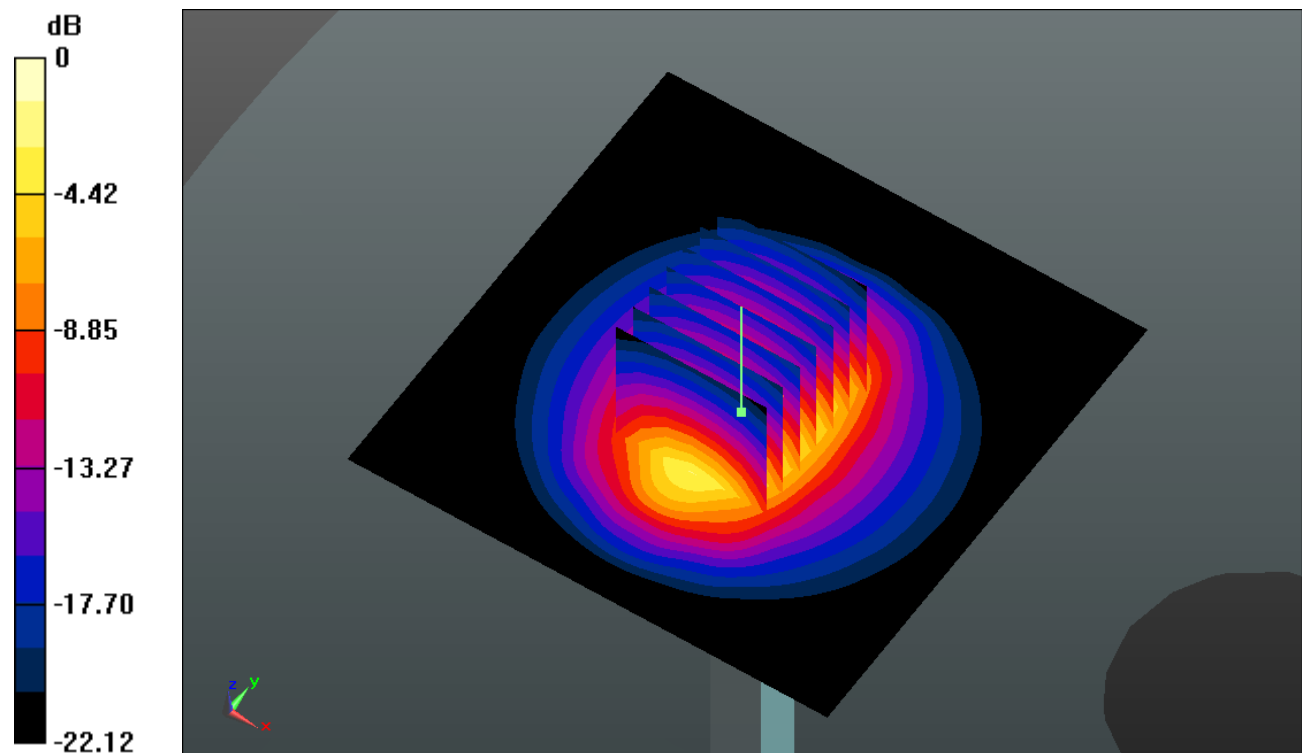
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 83.723 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 27.658 W/kg

SAR(1 g) = 13.20 mW/g; SAR(10 g) = 6.09 mW/g

Maximum value of SAR (measured) = 20.272 mW/g



0 dB = 20.270mW/g

System Check_Body_2600MHz_150418

DUT: D2600V2 - SN:1083

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: MSL_2600_150418 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.209$ mho/m; $\epsilon_r =$

51.123 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23. °C ; Liquid Temperature : 22. °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.82, 6.82, 6.82); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (81x81x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 21.255 mW/g

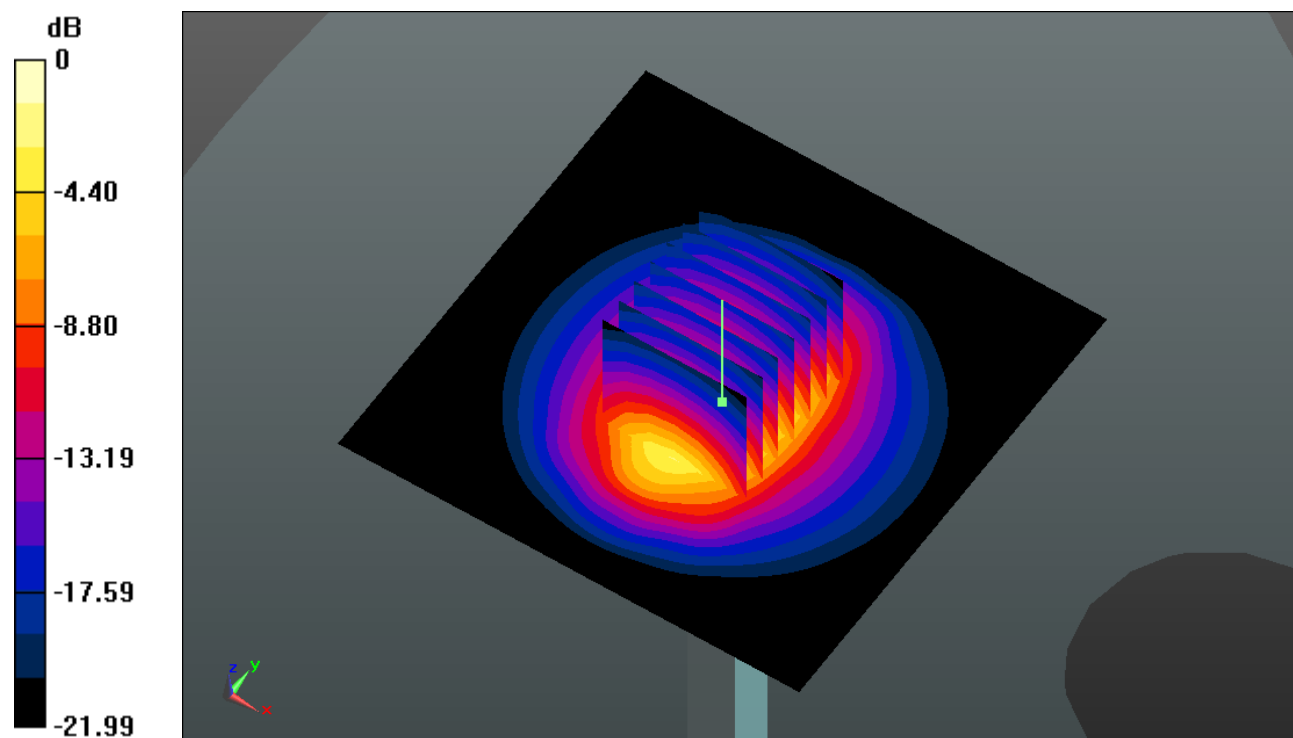
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.755 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 28.723 W/kg

SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.34 mW/g

Maximum value of SAR (measured) = 21.243 mW/g



0 dB = 21.240mW/g