

## **System Check\_Head\_835MHz\_130705**

### **DUT: D835V2 - SN:4d091**

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

Medium: HSL\_835\_130705 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.885 \text{ mho/m}$ ;  $\epsilon_r = 41.103$ ;

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

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.3 \text{ }^\circ\text{C}$

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.35, 9.35, 9.35); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); 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) =  $2.841 \text{ mW/g}$

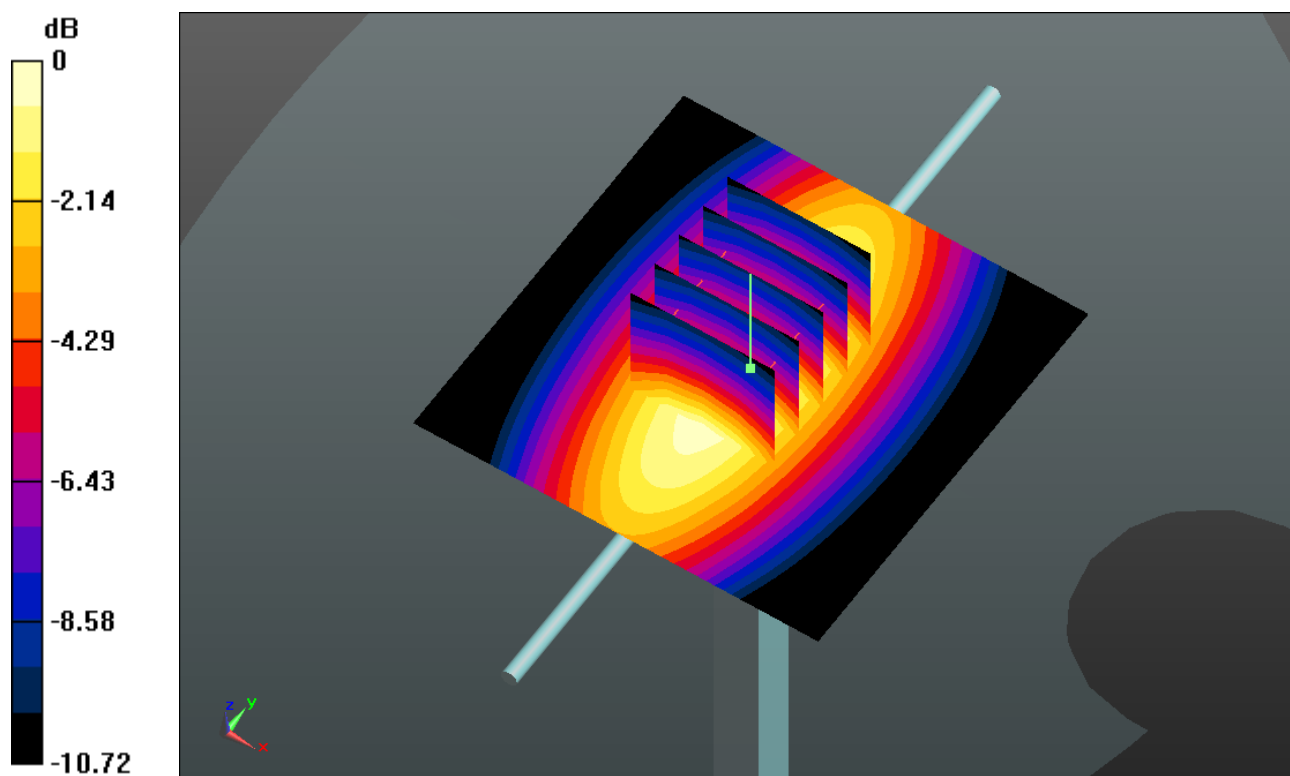
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $52.283 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$

Peak SAR (extrapolated) =  $3.337 \text{ W/kg}$

**SAR(1 g) =  $2.22 \text{ mW/g}$ ; SAR(10 g) =  $1.45 \text{ mW/g}$**

Maximum value of SAR (measured) =  $2.830 \text{ mW/g}$



0 dB = 2.830mW/g

## **System Check\_Head\_835MHz\_130711**

### **DUT: D835V2 - SN:4d091**

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

Medium: HSL\_835\_130711 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.883 \text{ mho/m}$ ;  $\epsilon_r = 41.014$ ;

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

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.3 \text{ }^\circ\text{C}$

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.35, 9.35, 9.35); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); 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) =  $2.866 \text{ mW/g}$

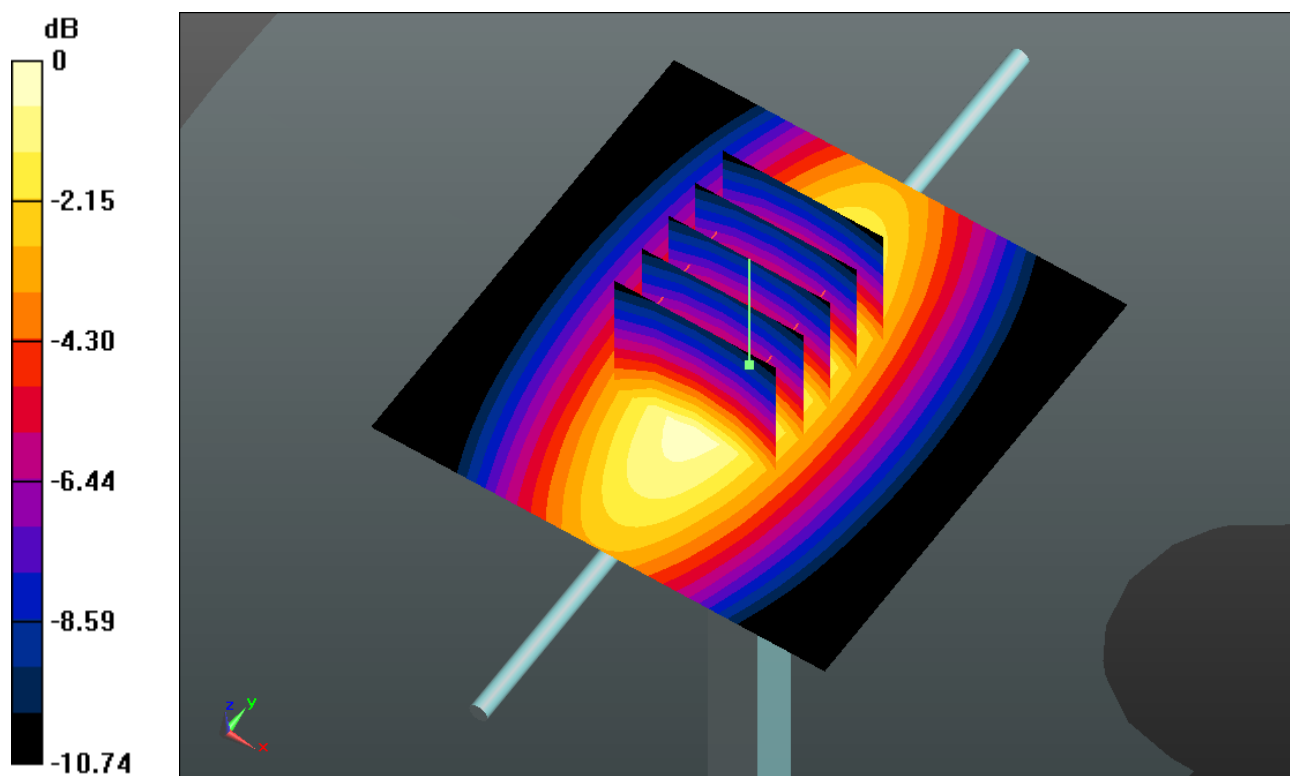
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $52.253 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

Peak SAR (extrapolated) =  $3.377 \text{ W/kg}$

**SAR(1 g) =  $2.26 \text{ mW/g}$ ; SAR(10 g) =  $1.47 \text{ mW/g}$**

Maximum value of SAR (measured) =  $2.867 \text{ mW/g}$



**System Check\_Head\_1750MHz\_130706**

**DUT: D1750V2 - SN:1069**

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

Medium: HSL\_1750\_130706 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.393$  mho/m;  $\epsilon_r =$

41.004;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.41, 8.41, 8.41); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 12.868 mW/g

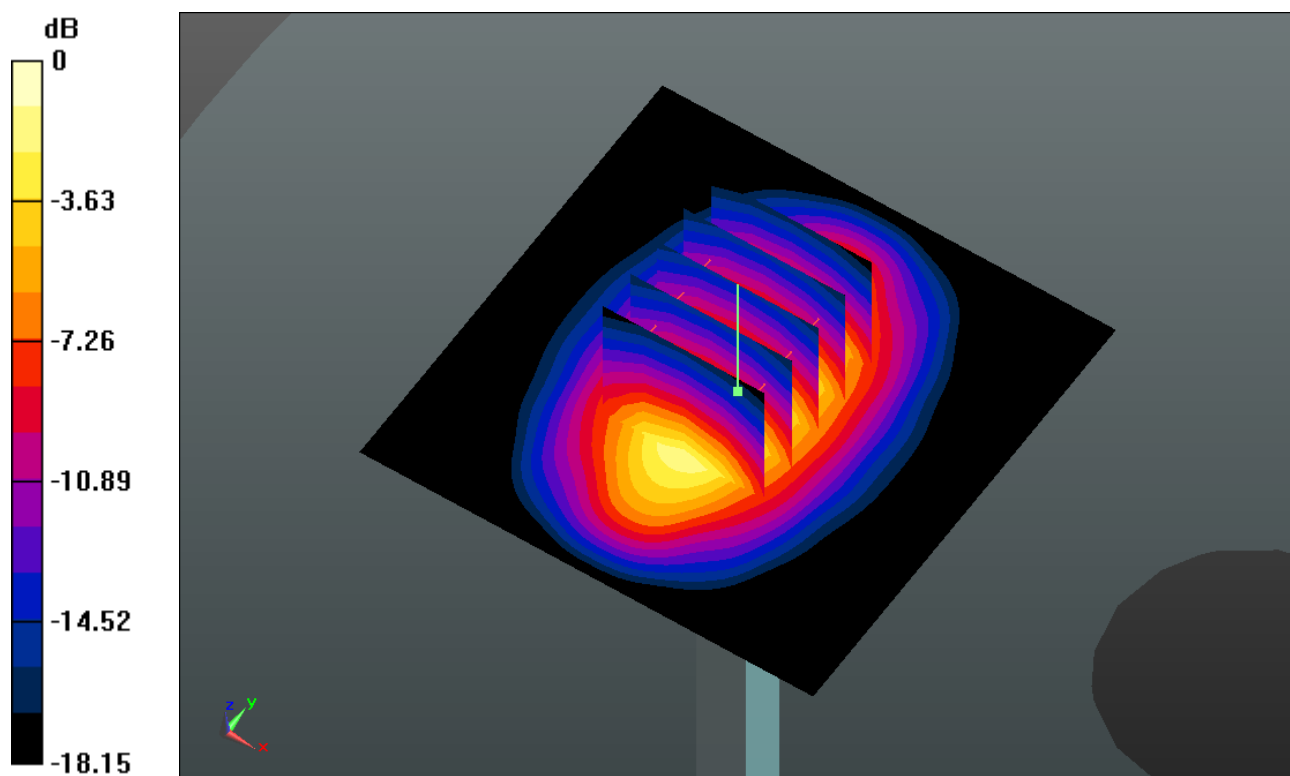
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.832 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 16.575 W/kg

**SAR(1 g) = 8.96 mW/g; SAR(10 g) = 4.64 mW/g**

Maximum value of SAR (measured) = 12.994 mW/g



0 dB = 12.990mW/g

## **System Check\_Head\_1750MHz\_130711**

### **DUT: D1750V2 - SN:1069**

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

Medium: HSL\_1750\_130711 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.388$  mho/m;  $\epsilon_r =$

41.364;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.1 °C

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.41, 8.41, 8.41); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 12.997 mW/g

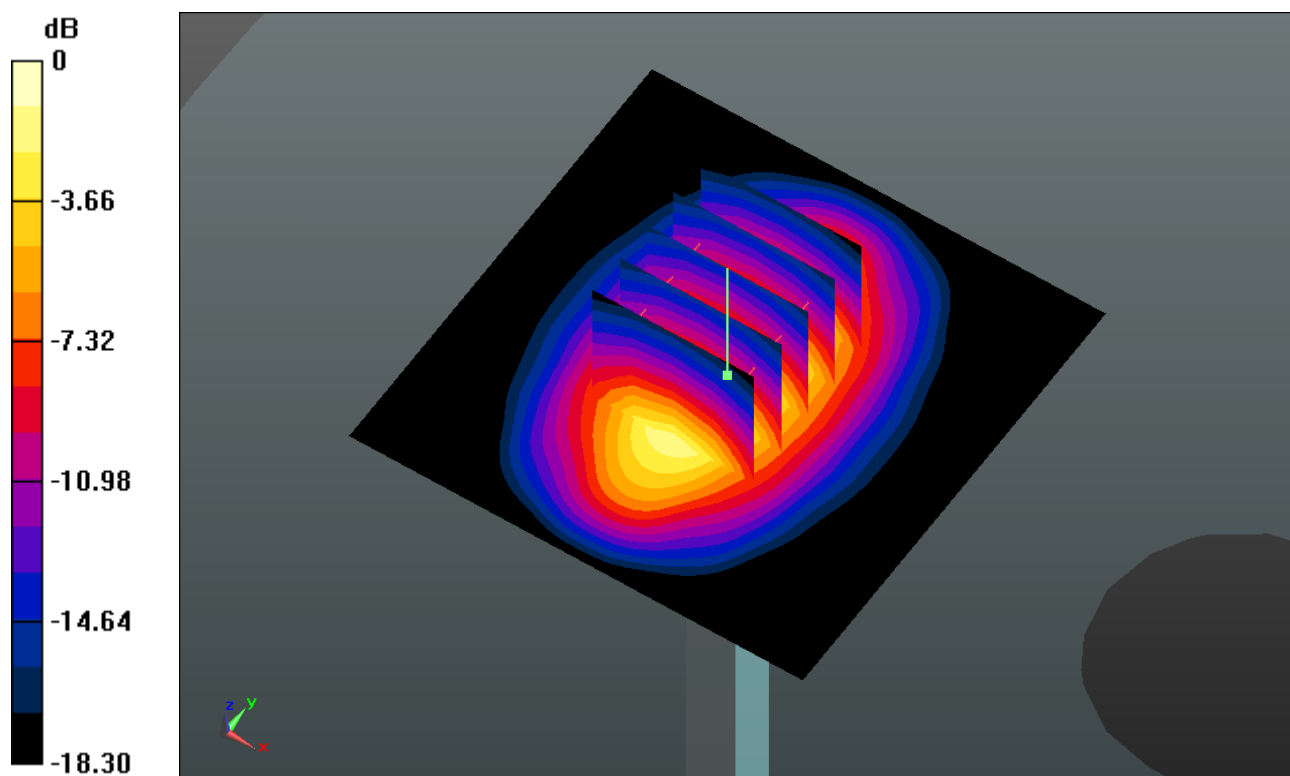
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.857 V/m; Power Drift = -0.00047 dB

Peak SAR (extrapolated) = 16.554 W/kg

**SAR(1 g) = 8.95 mW/g; SAR(10 g) = 4.63 mW/g**

Maximum value of SAR (measured) = 12.990 mW/g



0 dB = 12.990mW/g

## **System Check\_Head\_1900MHz\_130705**

### **DUT: D1900V2 - SN:5d118**

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

Medium: HSL\_1900\_130705 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.426$  mho/m;  $\epsilon_r =$

38.855;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.1 °C

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.04, 8.04, 8.04); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 14.394 mW/g

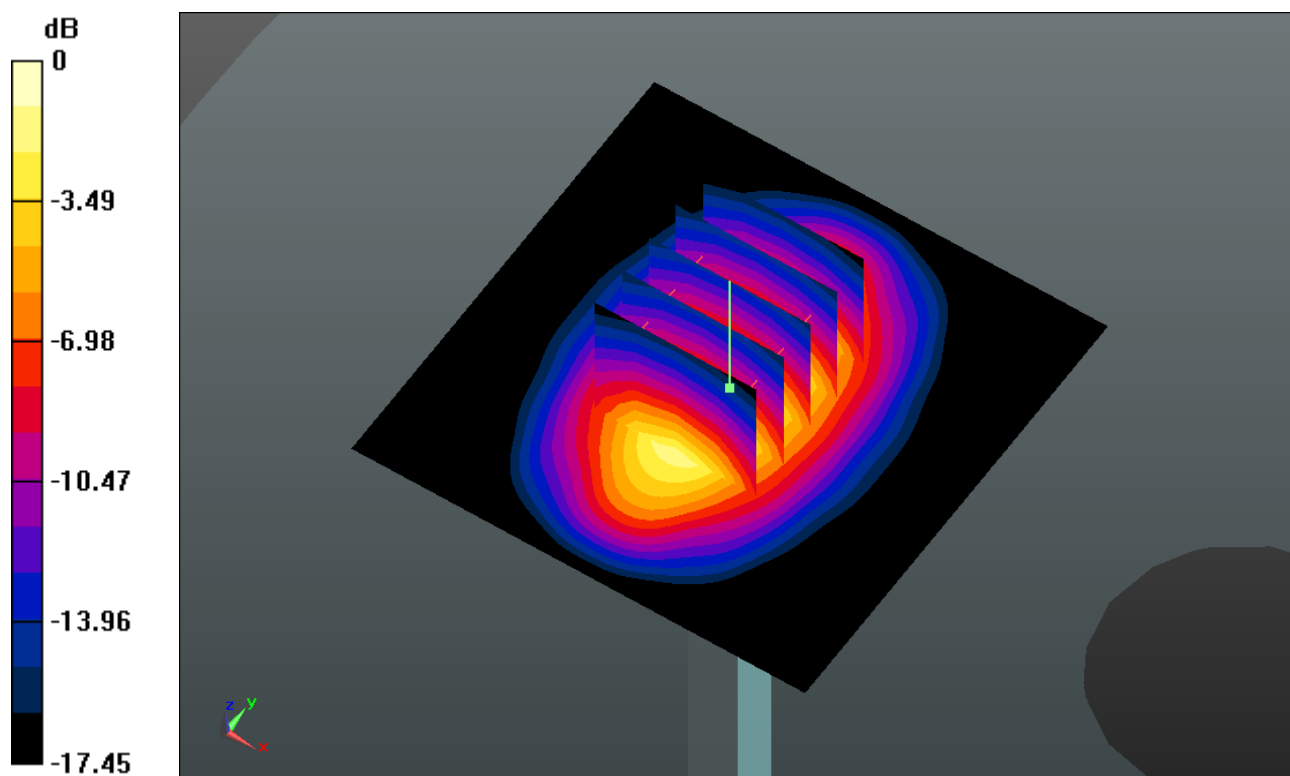
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.807 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 18.234 W/kg

**SAR(1 g) = 10 mW/g; SAR(10 g) = 5.25 mW/g**

Maximum value of SAR (measured) = 14.395 mW/g



0 dB = 14.390mW/g

## **System Check\_Head\_1900MHz\_130711**

### **DUT: D1900V2 - SN:5d118**

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

Medium: HSL\_1900\_130711 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.424$  mho/m;  $\epsilon_r =$

38.928;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.04, 8.04, 8.04); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 14.293 mW/g

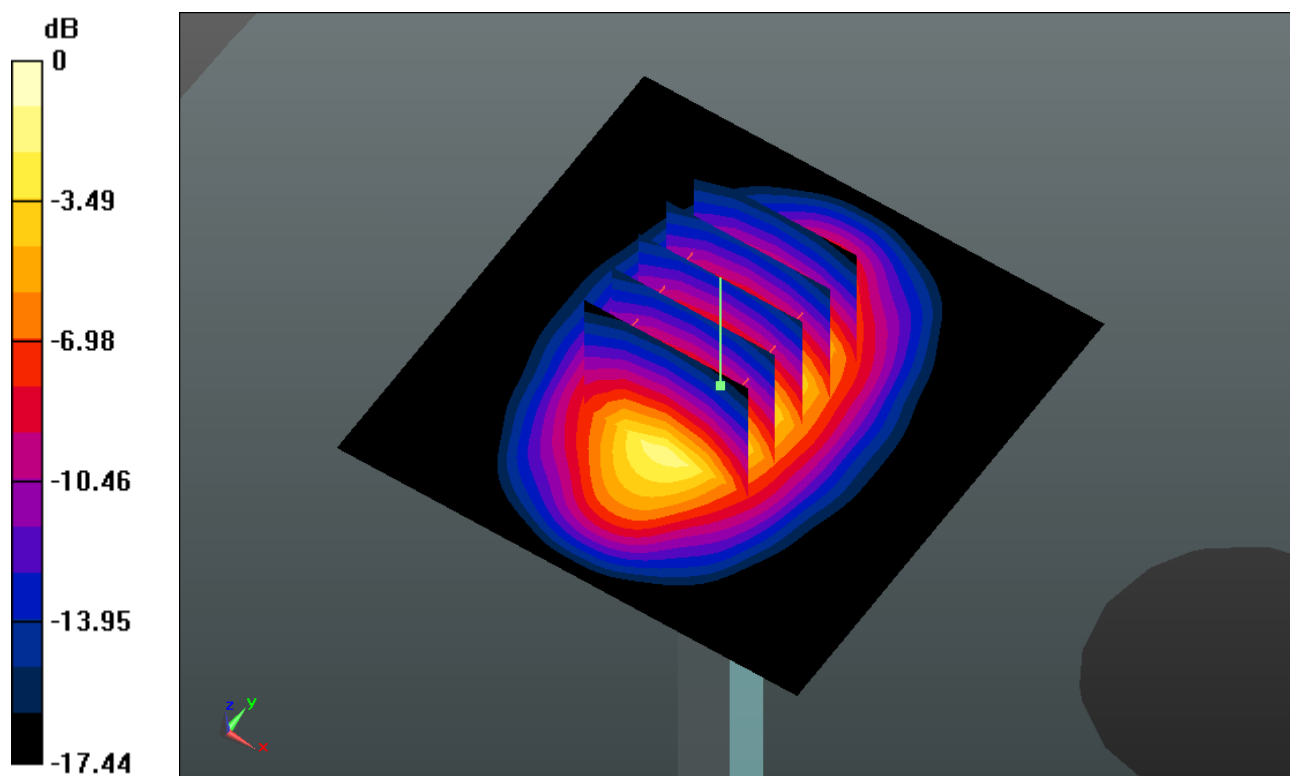
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.749 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 18.023 W/kg

**SAR(1 g) = 9.9 mW/g; SAR(10 g) = 5.19 mW/g**

Maximum value of SAR (measured) = 14.246 mW/g



## **System Check\_Head\_2450MHz\_130708**

### **DUT: D2450V2 - SN:736**

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

Medium: HSL\_2450\_130708 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.861$  mho/m;  $\epsilon_r =$

$39.575$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.05, 7.05, 7.05); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) =  $21.492$  mW/g

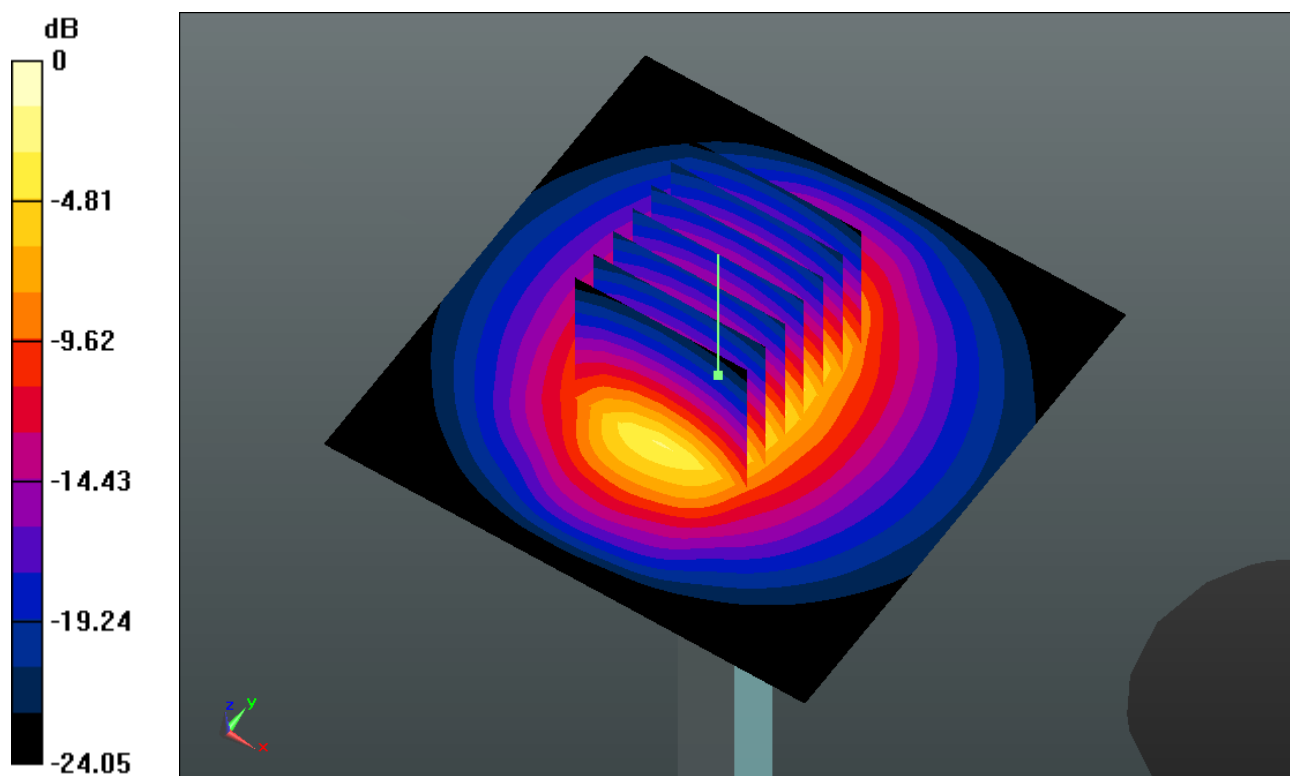
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value =  $90.907$  V/m; Power Drift =  $0.02$  dB

Peak SAR (extrapolated) =  $28.664$  W/kg

**SAR(1 g) =  $13.4$  mW/g; SAR(10 g) =  $6.04$  mW/g**

Maximum value of SAR (measured) =  $20.887$  mW/g



0 dB = 20.890mW/g

**System Check\_Body\_835MHz\_130706**

**DUT: D835V2 - SN:4d091**

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

Medium: MSL\_835\_130706 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.983 \text{ mho/m}$ ;  $\epsilon_r = 54.866$ ;

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

Ambient Temperature :  $23.1^\circ\text{C}$ ; Liquid Temperature :  $21.4^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.48, 9.48, 9.48); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); 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) =  $2.836 \text{ mW/g}$

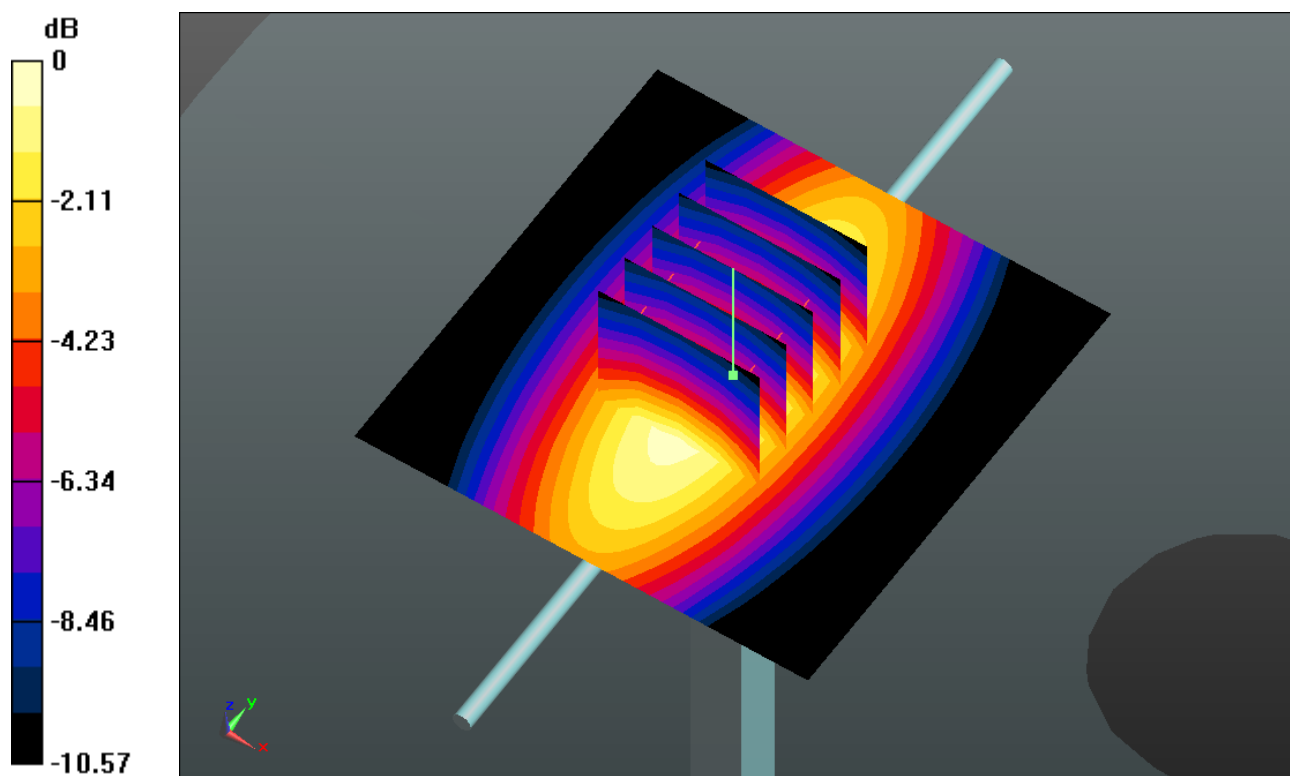
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $49.601 \text{ V/m}$ ; Power Drift =  $0.04 \text{ dB}$

Peak SAR (extrapolated) =  $3.338 \text{ W/kg}$

**SAR(1 g) =  $2.24 \text{ mW/g}$ ; SAR(10 g) =  $1.47 \text{ mW/g}$**

Maximum value of SAR (measured) =  $2.841 \text{ mW/g}$



0 dB = 2.840mW/g

**System Check\_Body\_1750MHz\_130704**

**DUT: D1750V2 - SN:1069**

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

Medium: MSL\_1750\_130704 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r = 55.5$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.86, 7.86, 7.86); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 12.712 mW/g

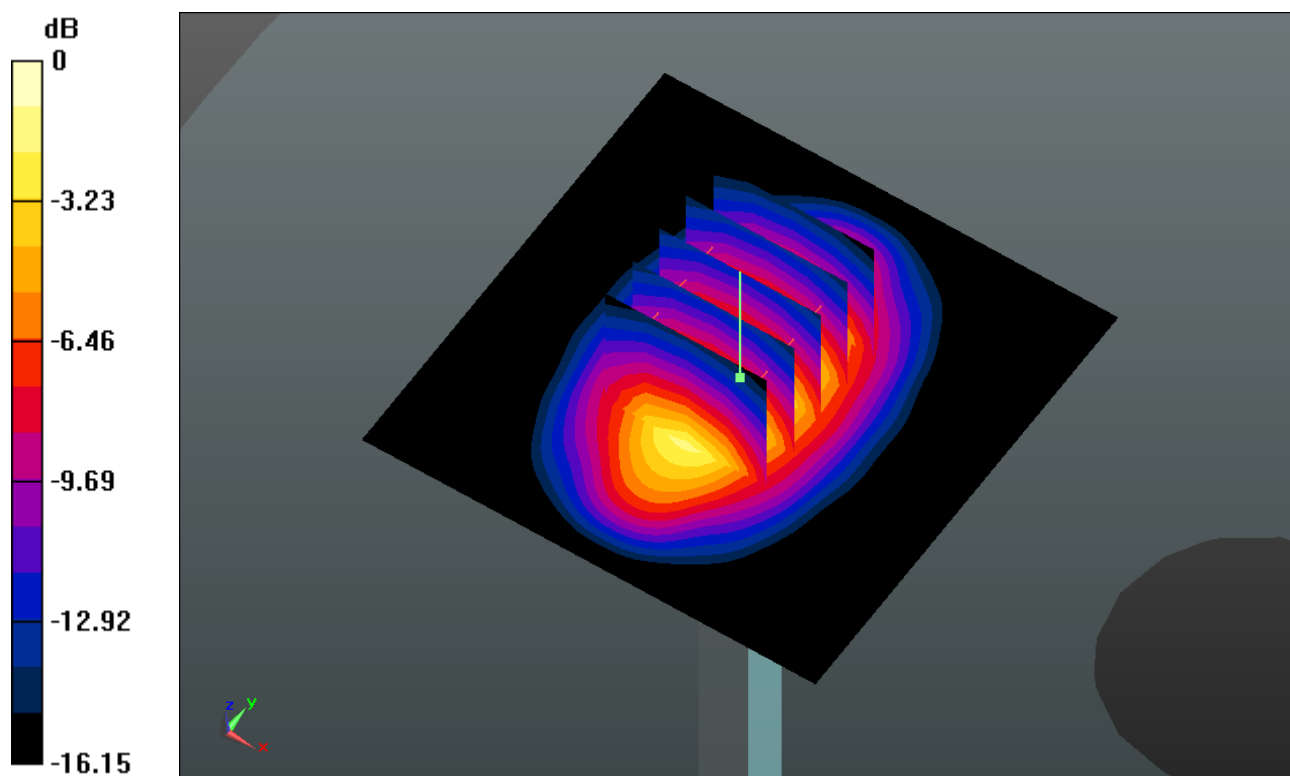
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.925 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.477 W/kg

**SAR(1 g) = 9.09 mW/g; SAR(10 g) = 4.88 mW/g**

Maximum value of SAR (measured) = 12.716 mW/g



0 dB = 12.720mW/g

## **System Check\_Body\_1900MHz-130703**

### **DUT: D1900V2 - SN:5d118**

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

Medium: MSL\_1900\_130703 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.551$  mho/m;  $\epsilon_r =$

53.249;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.52, 7.52, 7.52); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 14.935 mW/g

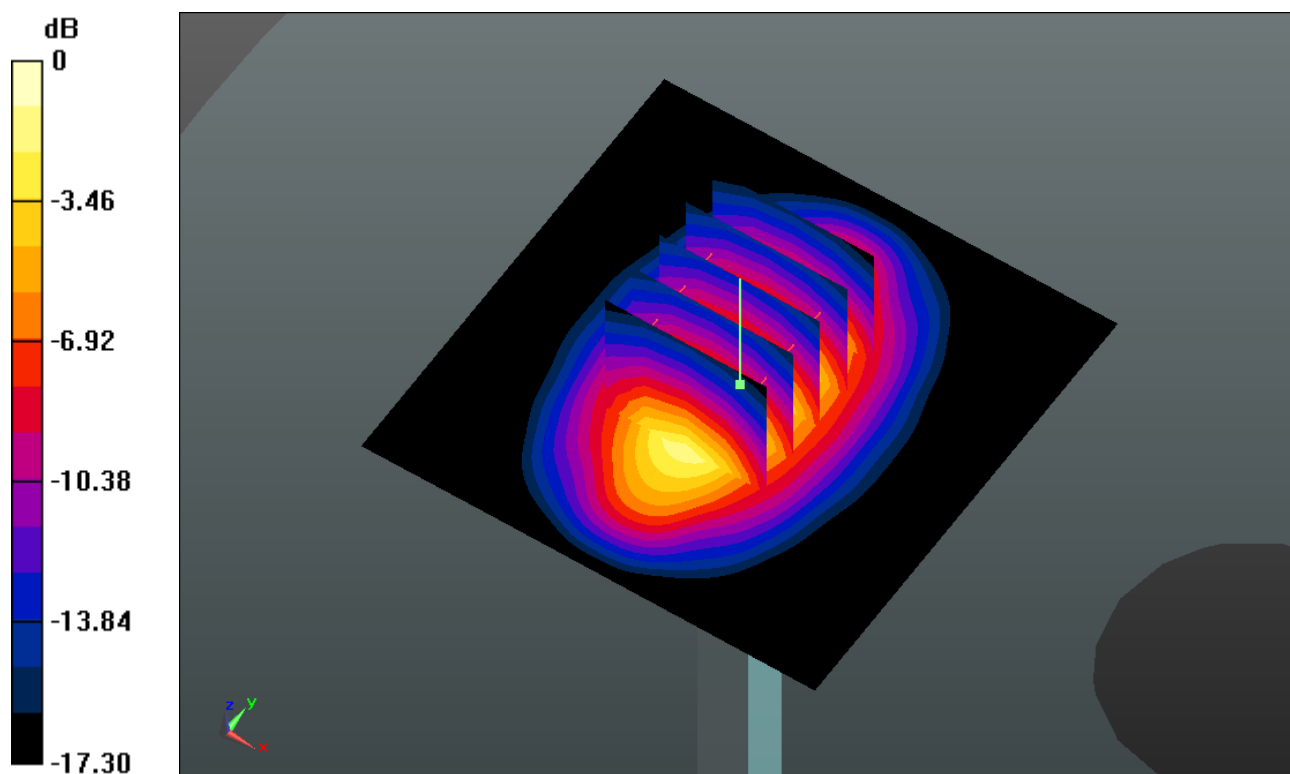
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.260 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 19.586 W/kg

**SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.42 mW/g**

Maximum value of SAR (measured) = 14.940 mW/g



0 dB = 14.940mW/g

**System Check\_Body\_1900MHz\_130707**

**DUT: D1900V2 - SN:5d118**

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

Medium: MSL\_1900\_130707 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.552$  mho/m;  $\epsilon_r =$

53.358;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.52, 7.52, 7.52); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 14.635 mW/g

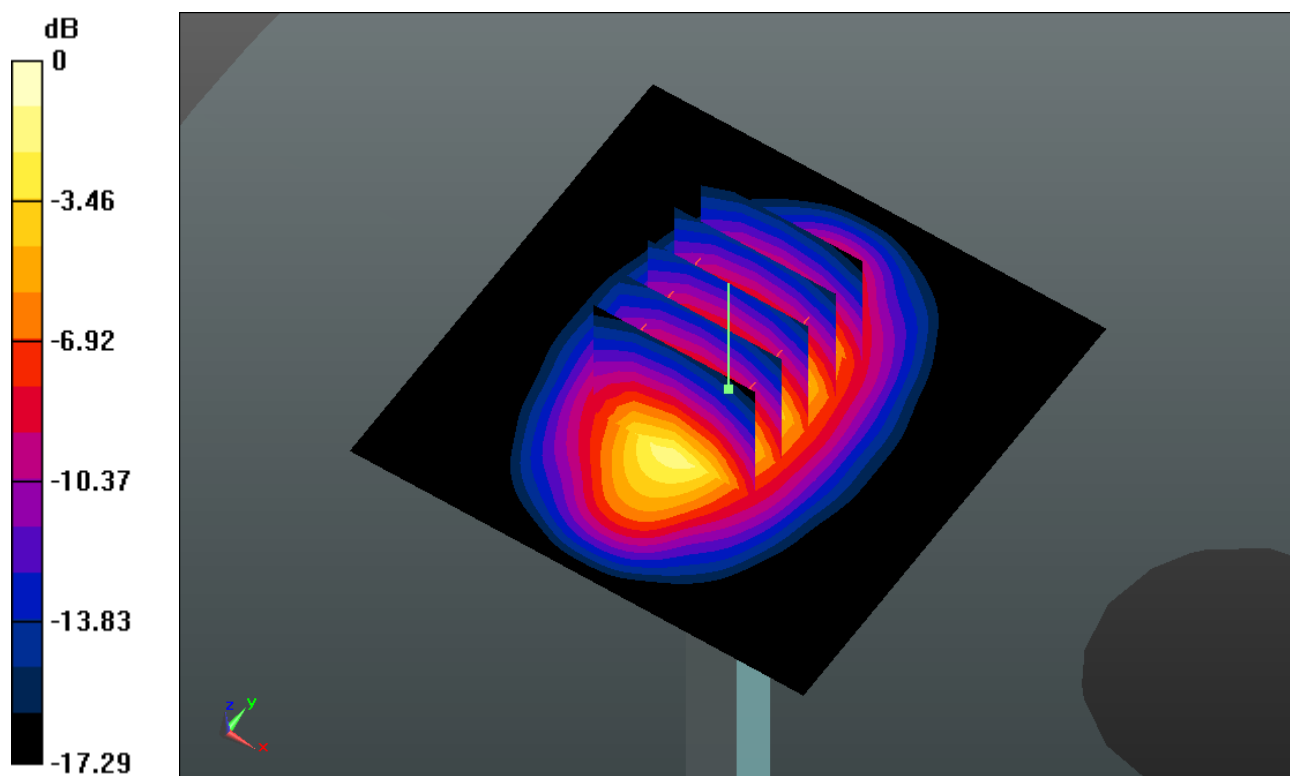
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.566 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 17.945 W/kg

**SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.39 mW/g**

Maximum value of SAR (measured) = 14.590 mW/g



0 dB = 14.590mW/g

**System Check\_Body\_2450MHz\_130709**

**DUT: D2450V2 - SN:736**

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

Medium: MSL\_2450\_130709 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.929$  mho/m;  $\epsilon_r =$

51.207;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7, 7, 7); Calibrated: 2013-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013-6-19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 19.187 mW/g

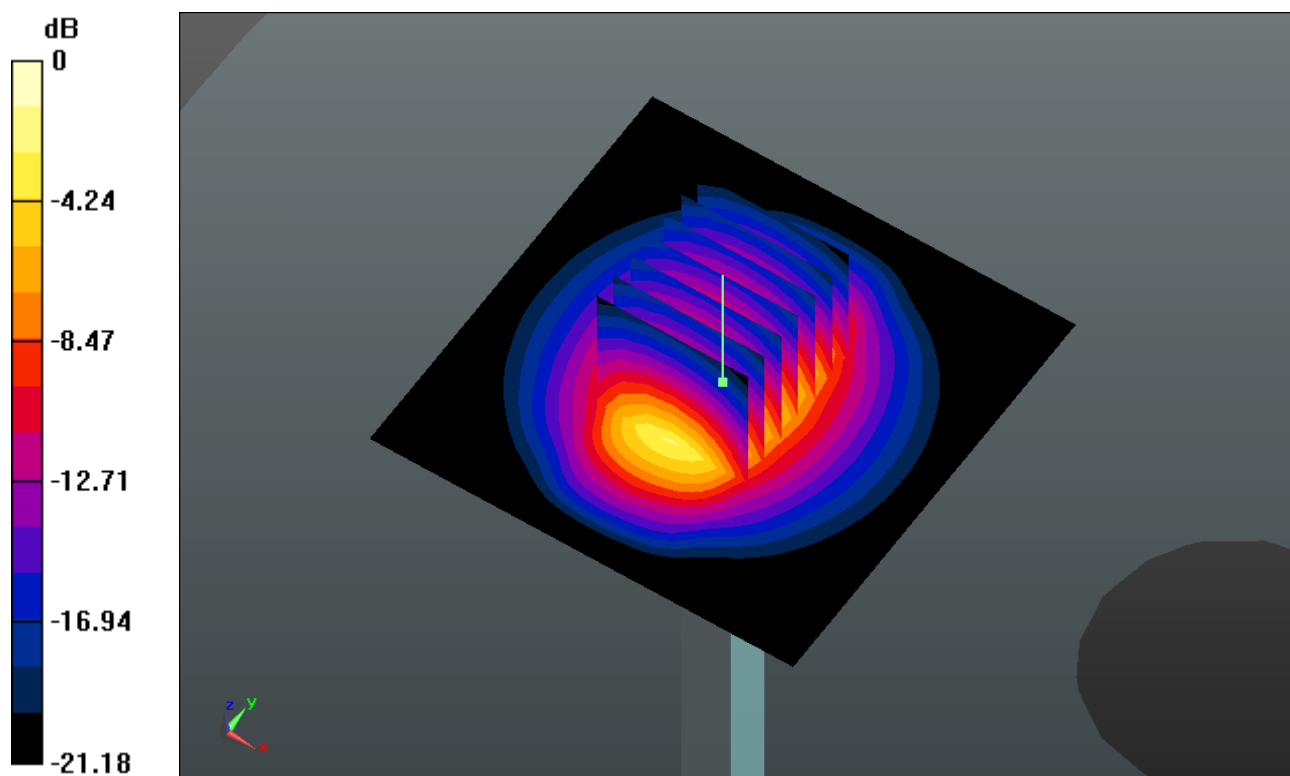
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.870 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 25.138 W/kg

**SAR(1 g) = 12.3 mW/g; SAR(10 g) = 5.73 mW/g**

Maximum value of SAR (measured) = 18.734 mW/g



0 dB = 18.730mW/g