

**System Check\_Head\_1900MHz\_120308****DUT: Dipole 1900 MHz**

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

Medium: HSL\_1900\_120308 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.417$  mho/m;  $\epsilon_r =$

$39.853$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

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

Maximum value of SAR (interpolated) = 11.329 mW/g

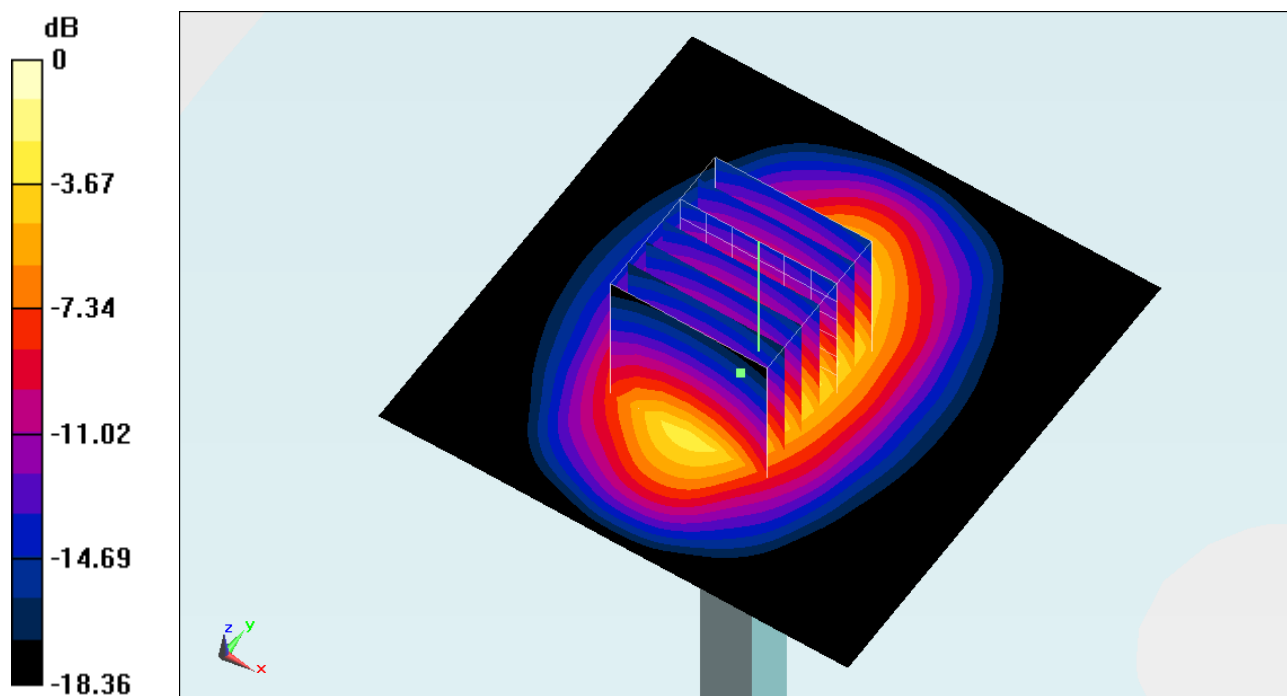
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.680 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.1290

**SAR(1 g) = 9.66 mW/g; SAR(10 g) = 5.1 mW/g**

Maximum value of SAR (measured) = 10.973 mW/g



0 dB = 10.970mW/g = 20.80 dB mW/g

**System Check\_Body\_1900MHz\_120309****DUT: Dipole 1900 MHz**

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

Medium: MSL\_1900\_120309 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

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

Maximum value of SAR (interpolated) = 11.993 mW/g

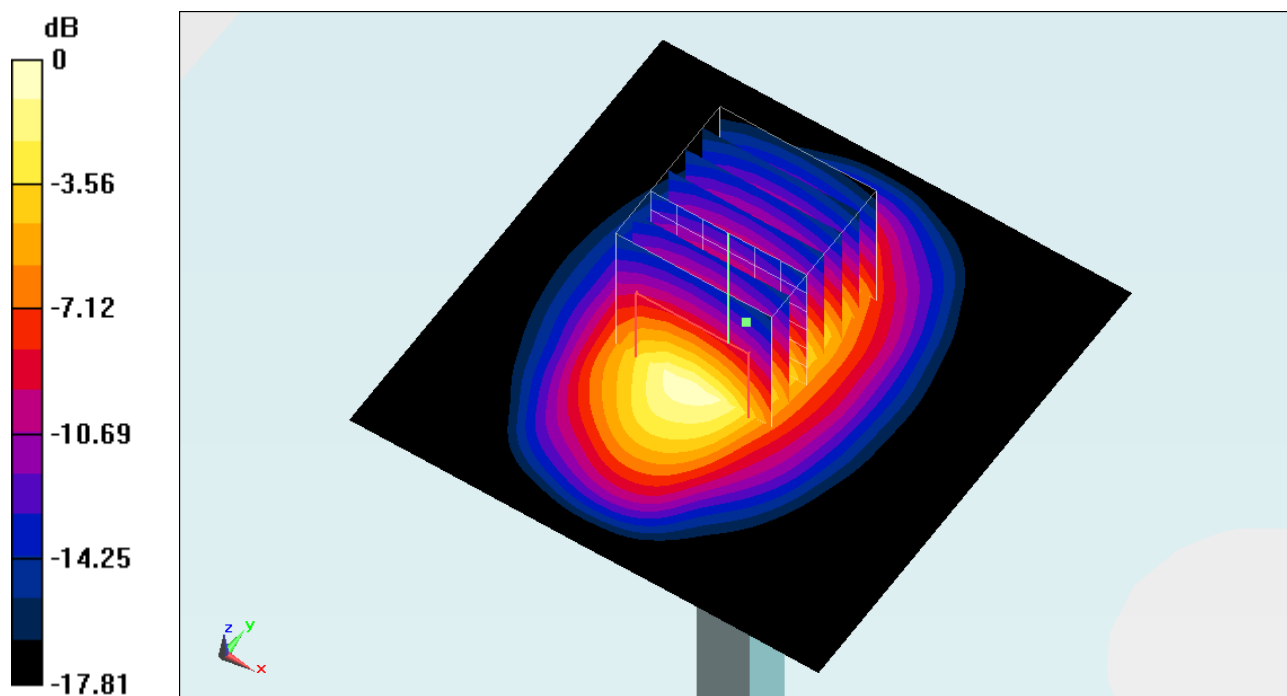
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.115 V/m; Power Drift = 0.0083 dB

Peak SAR (extrapolated) = 17.0150

**SAR(1 g) = 9.92 mW/g; SAR(10 g) = 5.27 mW/g**

Maximum value of SAR (measured) = 11.262 mW/g



0 dB = 11.260mW/g = 21.03 dB mW/g

## **System Check\_Head\_2450MHz\_120321**

### **DUT: Dipole 2450 MHz**

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

Medium: HSL\_2450\_120321 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.84 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.4^\circ\text{C}$ ; Liquid Temperature :  $21.4^\circ\text{C}$

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.41, 4.41, 4.41); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

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

Maximum value of SAR (interpolated) =  $15 \text{ mW/g}$

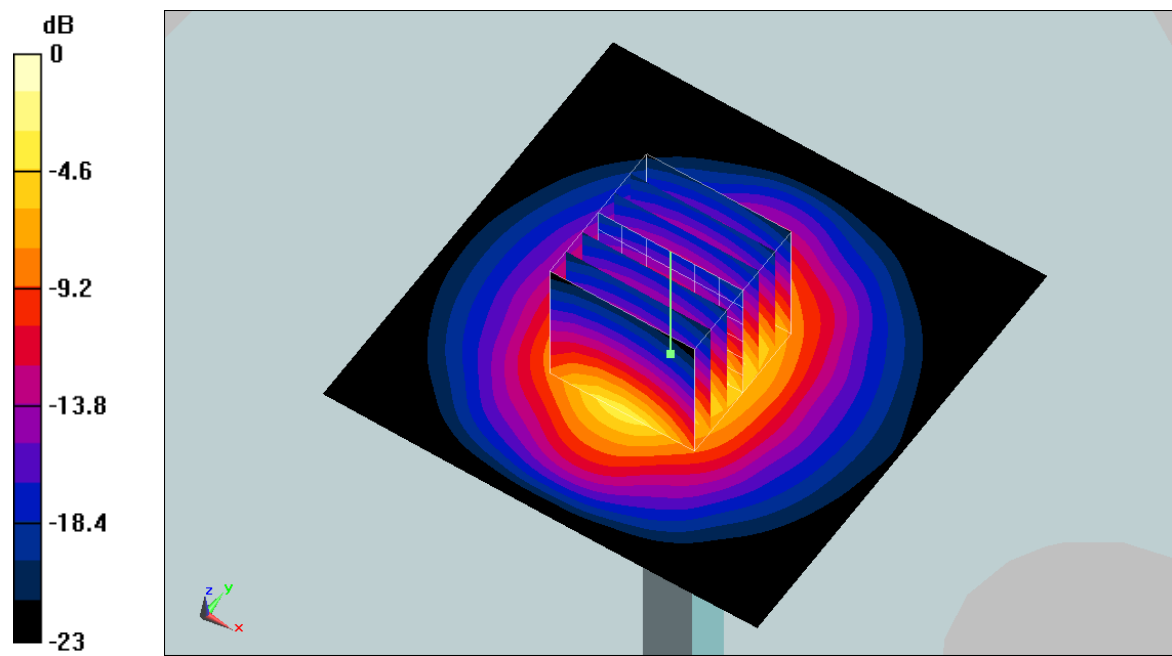
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $92.3 \text{ V/m}$ ; Power Drift =  $-0.024 \text{ dB}$

Peak SAR (extrapolated) =  $29.6 \text{ W/kg}$

**SAR(1 g) =  $13.2 \text{ mW/g}$ ; SAR(10 g) =  $6.04 \text{ mW/g}$**

Maximum value of SAR (measured) =  $14.7 \text{ mW/g}$



0 dB = 14.7mW/g

## **System Check\_Body\_2450MHz\_120322**

### **DUT: Dipole 2450 MHz**

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

Medium: MSL\_2450\_120322 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.97 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.4^\circ\text{C}$ ; Liquid Temperature :  $21.4^\circ\text{C}$

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(3.96, 3.96, 3.96); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Pin=250mW/Area Scan (91x91x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) =  $15.6 \text{ mW/g}$

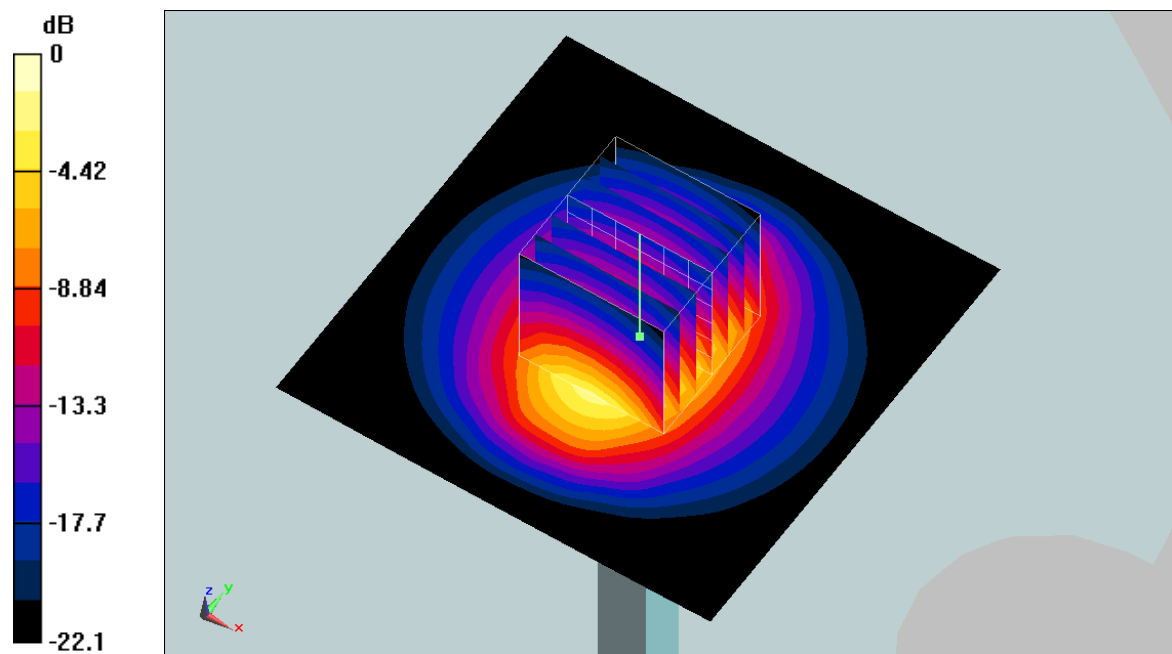
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $88.5 \text{ V/m}$ ; Power Drift =  $-0.066 \text{ dB}$

Peak SAR (extrapolated) =  $34.6 \text{ W/kg}$

**SAR(1 g) =  $13.8 \text{ mW/g}$ ; SAR(10 g) =  $6.2 \text{ mW/g}$**

Maximum value of SAR (measured) =  $15.1 \text{ mW/g}$



0 dB = 15.1mW/g