

## System Check\_835MHz\_100212

### DUT: Dipole 835 MHz

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

Medium: MSL\_850\_100212 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Maximum value of SAR (interpolated) = 1.06 mW/g

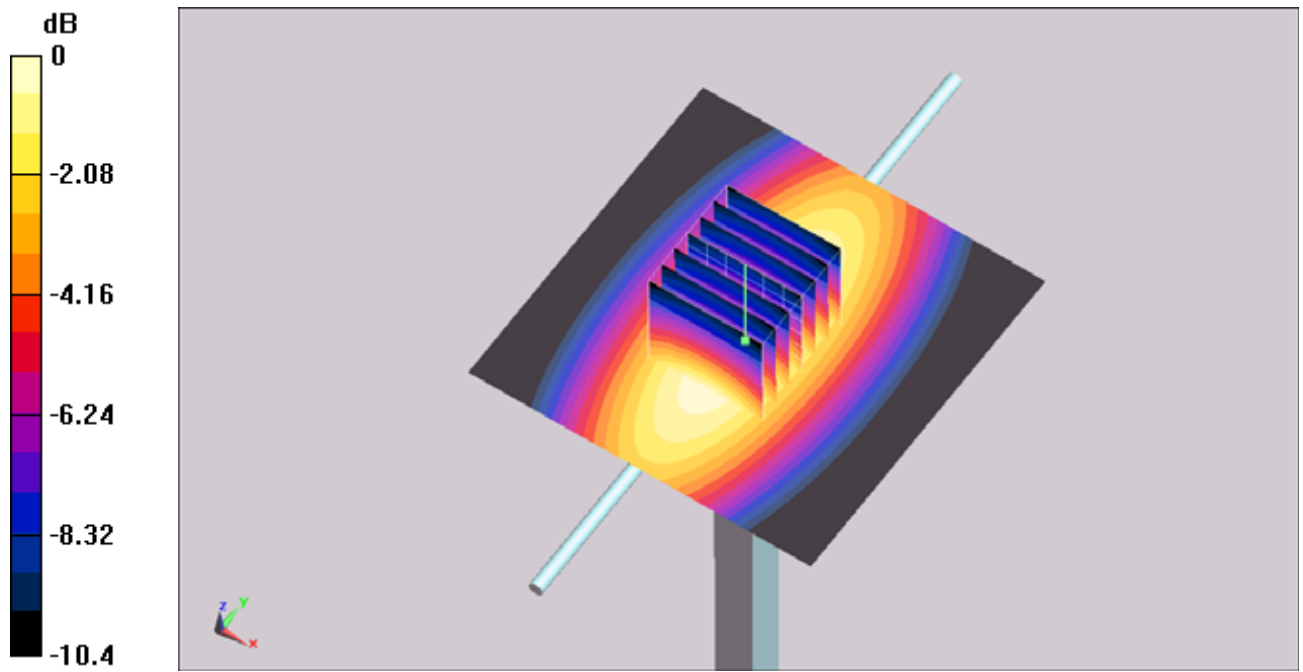
**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.8 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.630 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04mW/g

## System Check\_1900MHz\_100212

### DUT: Dipole 1900 MHz

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

Medium: MSL\_1900\_100212 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Maximum value of SAR (interpolated) = 4.95 mW/g

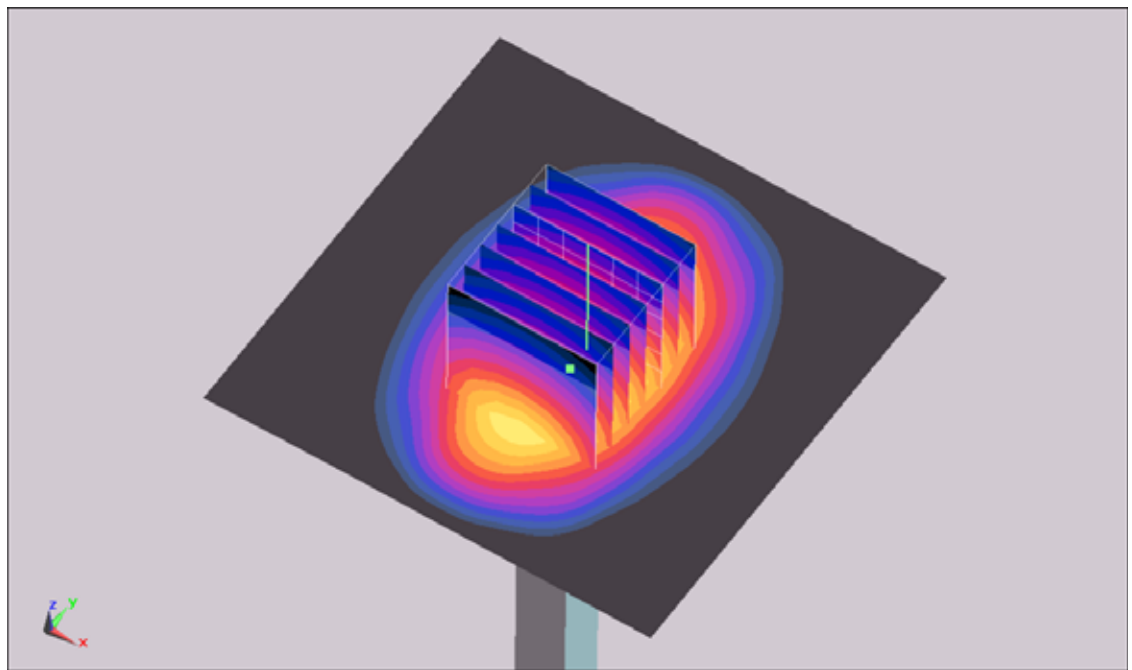
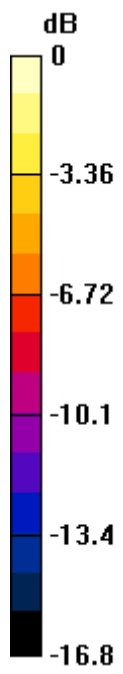
**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.2 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 6 W/kg

**SAR(1 g) = 4.03 mW/g; SAR(10 g) = 2.21 mW/g**

Maximum value of SAR (measured) = 4.61 mW/g



0 dB = 4.61mW/g