

## 20130110\_System Check\_Dipole835V2 SN4d015

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used:  $f = 835.3$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.34$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2012/03/16
- Probe: EX3DV4 - SN3665; ConvF(9.57, 9.57, 9.57); Calibrated: 2012/04/27;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150

**Head/Pin=100mW,d=15mm/Area Scan (6x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.912 W/kg

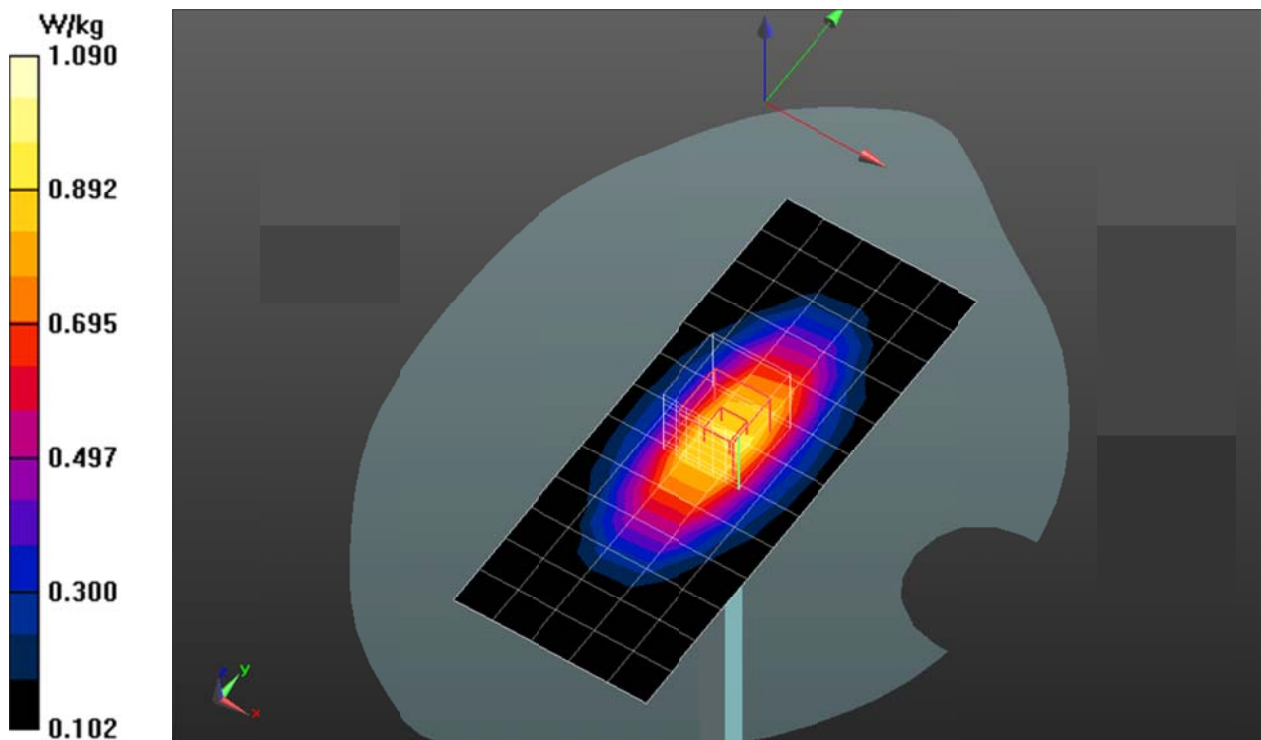
**Head/Pin=100mW,d=15mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.007 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.595 W/kg**

Maximum value of SAR (measured) = 1.09 W/kg

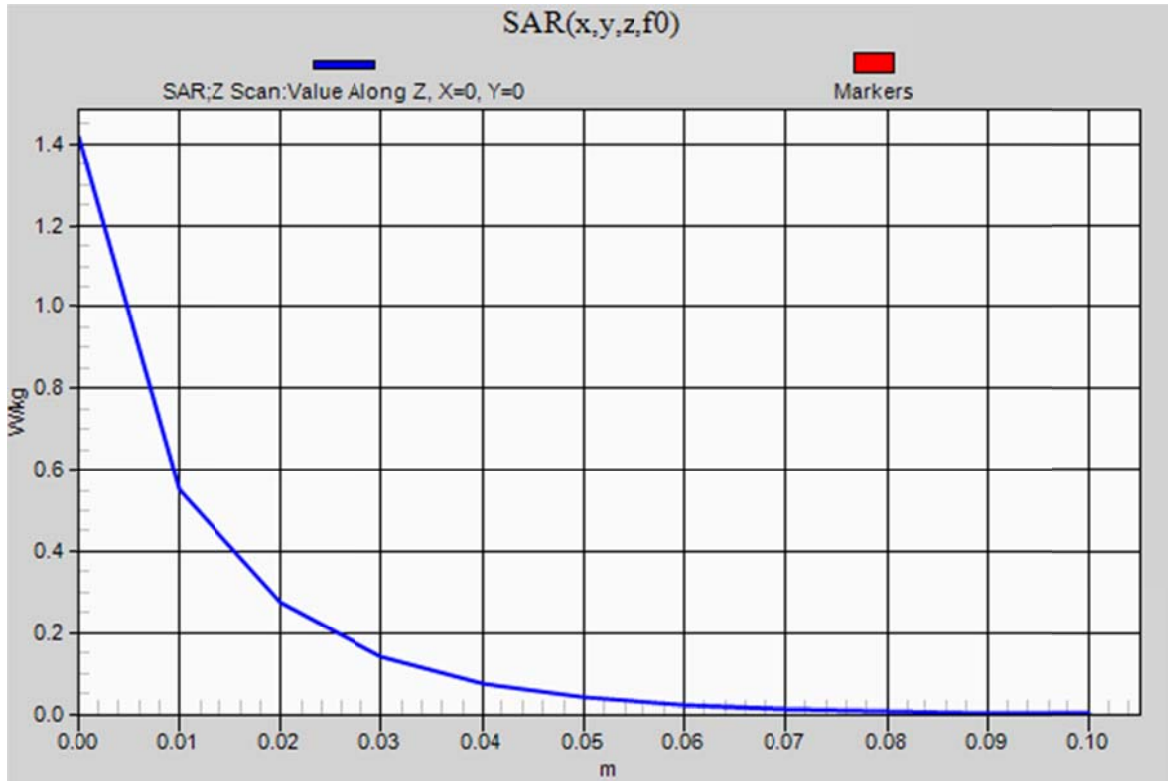


### 20130110\_System Check\_Dipole835V2 SN4d015

Frequency: 835 MHz; Duty Cycle: 1:1

**Head/Pin=100mW,d=15mm/Z Scan (1x1x11):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.42 W/kg



## 20130111\_System Check\_Dipole1900V2 SN5d056

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.439$  S/m;  $\epsilon_r = 39.918$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2012/03/16
- Probe: EX3DV4 - SN3665; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/04/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150

**Head/Pin=100mW,d=10mm/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.63 W/kg

**Head/Pin=100mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

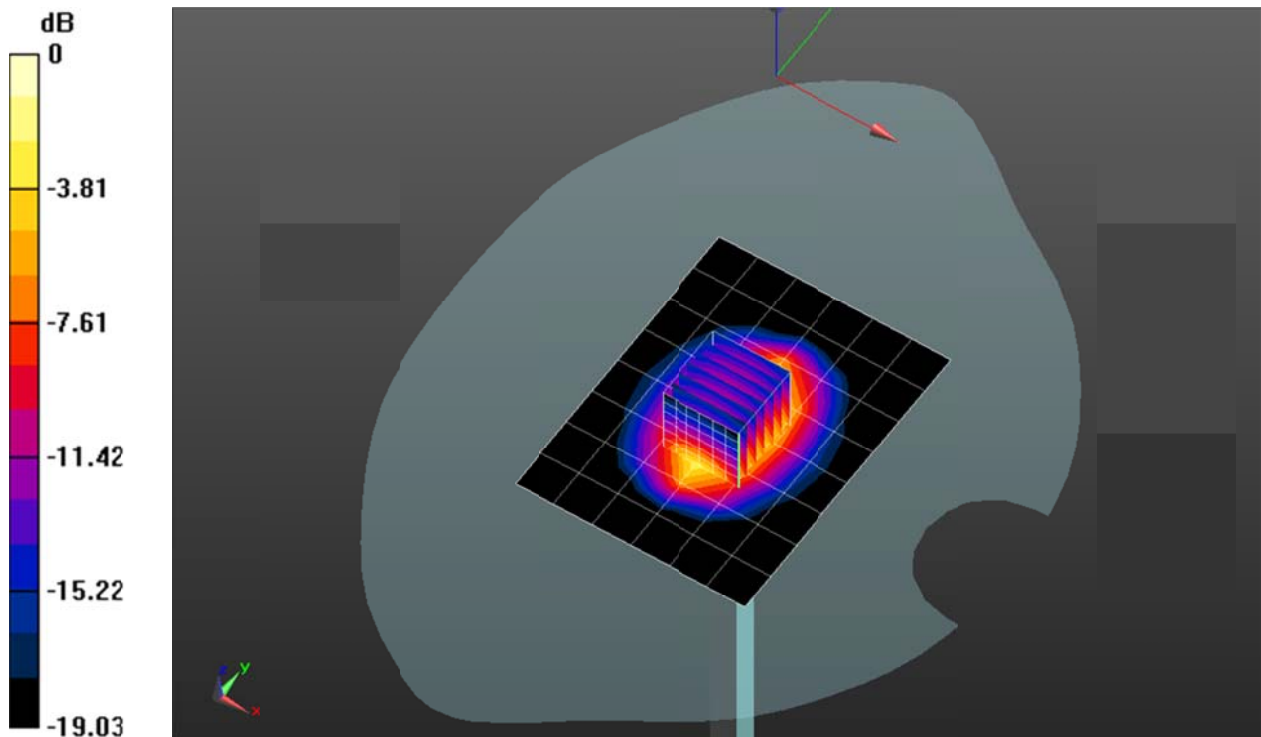
Reference Value = 70.301 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 7.26 W/kg

**SAR(1 g) = 3.8 W/kg; SAR(10 g) = 1.96 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.00 W/kg



0 dB = 6.00 W/kg = 7.78 dBW/kg

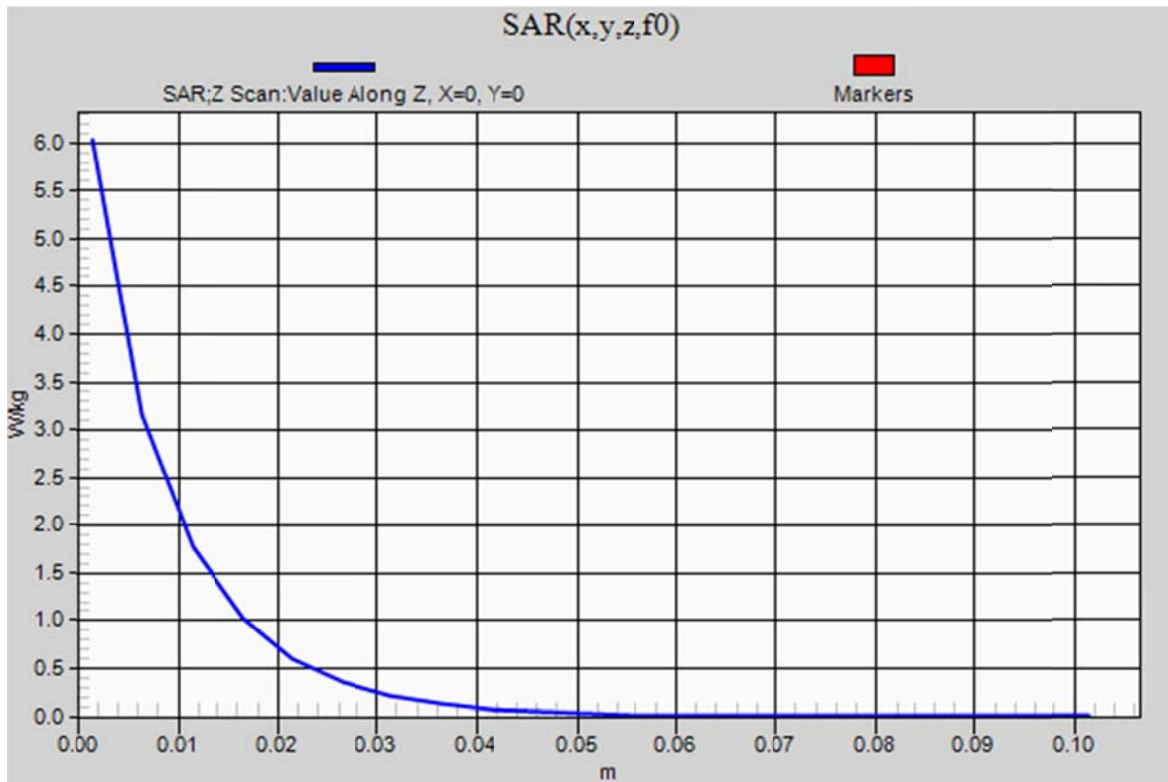
### 20130111\_System Check\_Dipole1900V2 SN5d056

Frequency: 1900 MHz; Duty Cycle: 1:1

**Head/Pin=100mW,d=10mm/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.03 W/kg



## 20130114\_System Check\_Dipole835V2 SN4d015

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used:  $f = 835.3$  MHz;  $\sigma = 0.954$  S/m;  $\epsilon_r = 53.846$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2012/03/16
- Probe: EX3DV4 - SN3665; ConvF(9.69, 9.69, 9.69); Calibrated: 2012/04/27;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150

**Body/Pin=100mW,d=15mm/Area Scan (6x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.777 W/kg

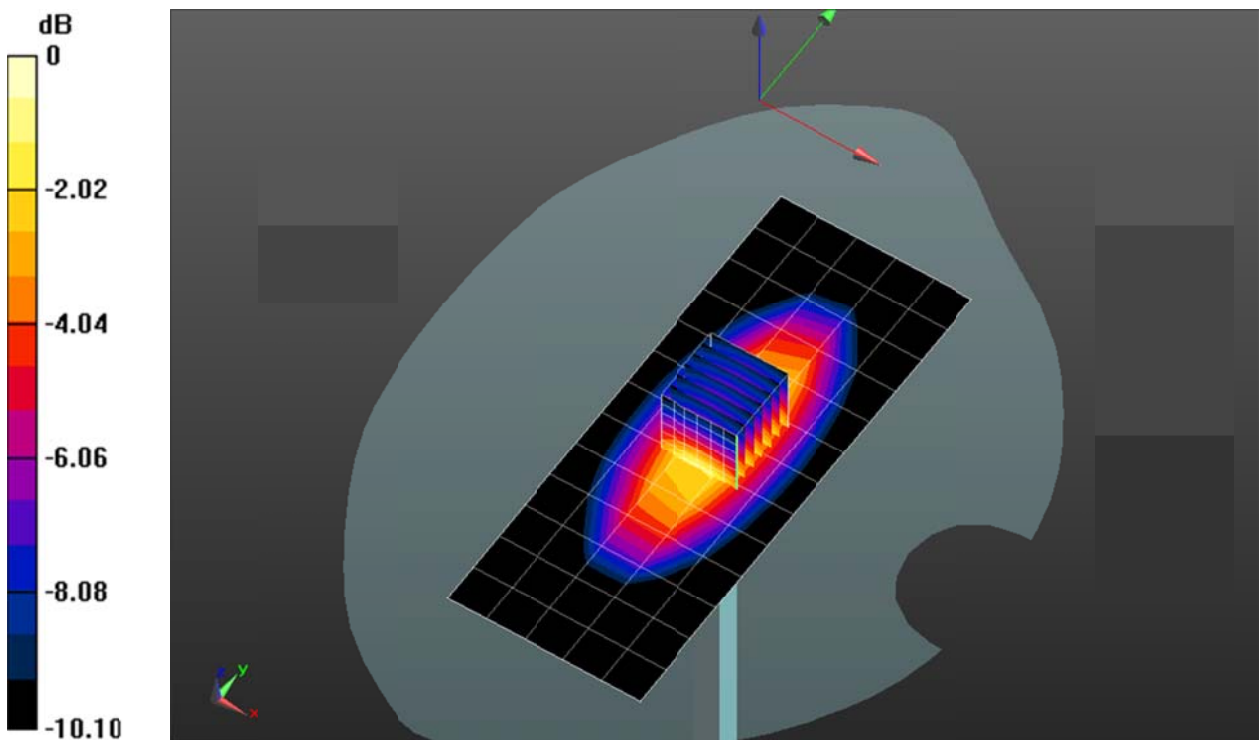
**Body/Pin=100mW,d=15mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.919 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.611 W/kg**

Maximum value of SAR (measured) = 1.12 W/kg



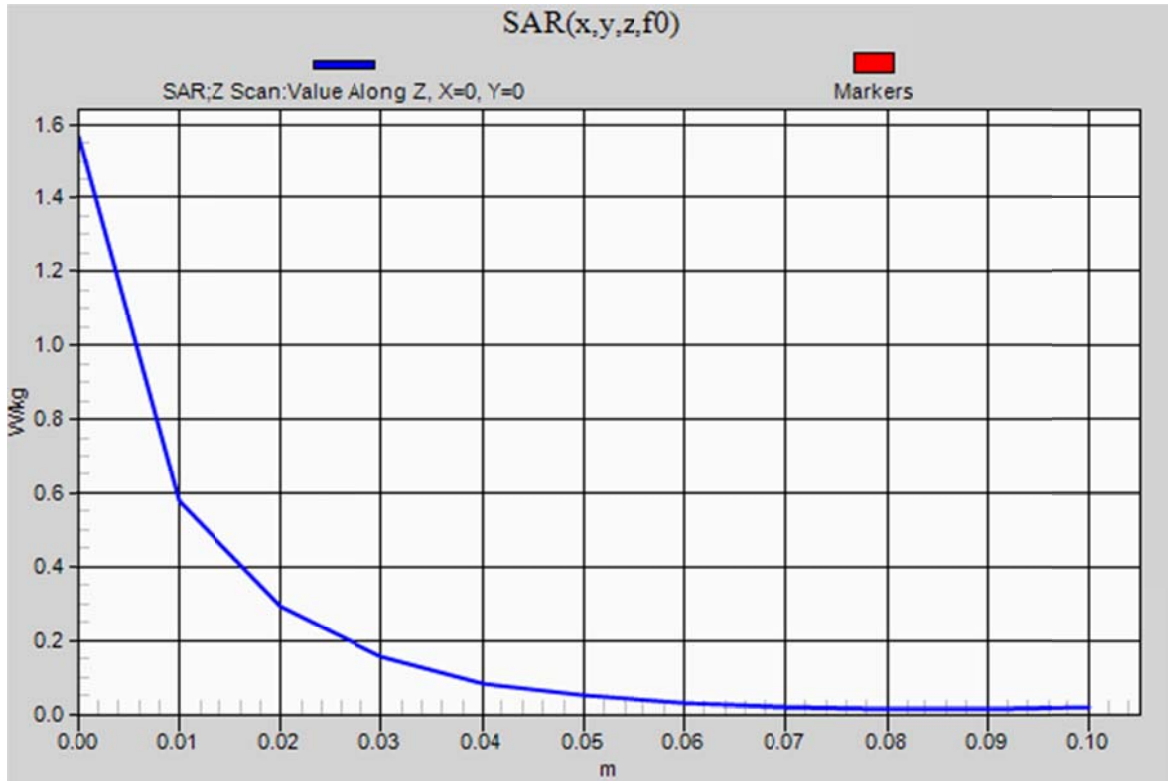
0 dB = 1.12 W/kg = 0.49 dBW/kg

### 20130114\_System Check\_Dipole835V2 SN4d015

Frequency: 835 MHz; Duty Cycle: 1:1

**Body/Pin=100mW,d=15mm/Z Scan (1x1x11):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.56 W/kg



## 20130115\_System Check\_Dipole1900V2 SN5d056

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.535$  S/m;  $\epsilon_r = 50.692$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2012/03/16
- Probe: EX3DV4 - SN3665; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/04/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150

**Body/Pin=100mW,d=10mm/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.46 W/kg

**Body/Pin=100mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

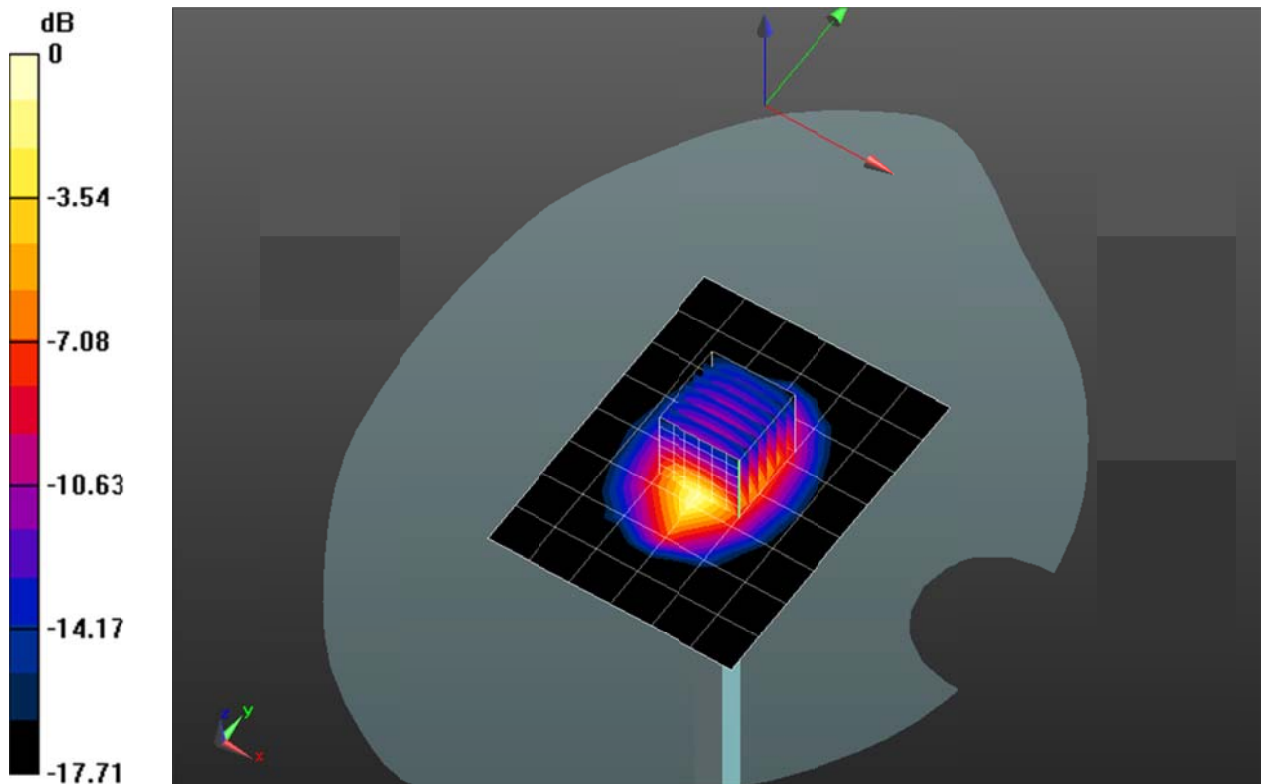
Reference Value = 65.673 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.24 W/kg

**SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.03 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.05 W/kg



0 dB = 6.05 W/kg = 7.82 dBW/kg

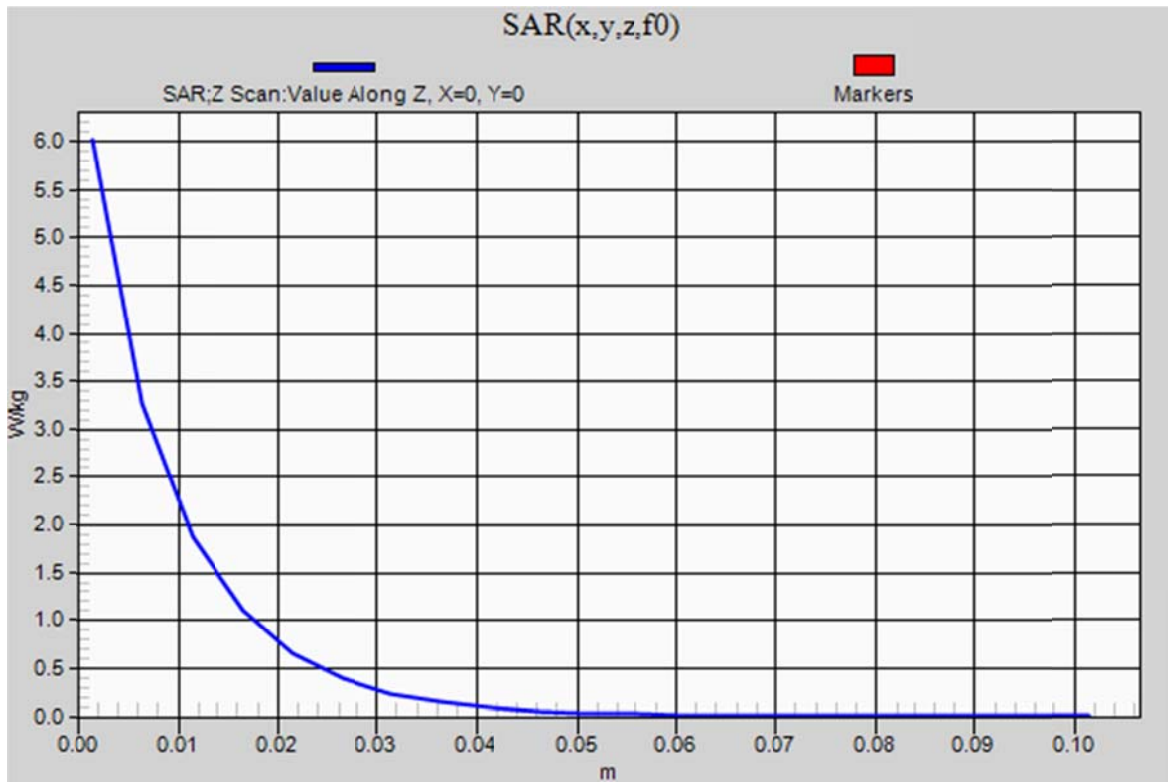
### 20130115\_System Check\_Dipole1900V2 SN5d056

Frequency: 1900 MHz; Duty Cycle: 1:1

**Body/Pin=100mW,d=10mm/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.01 W/kg





## 20130116\_System Check\_Dipole835V2 SN4d015

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used:  $f = 835.3$  MHz;  $\sigma = 0.958$  mho/m;  $\epsilon_r = 54.156$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2012/03/16
- Probe: EX3DV4 - SN3665; ConvF(9.69, 9.69, 9.69); Calibrated: 2012/04/27;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150

**Body/Pin=100mW,d=15mm/Area Scan (6x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.886 W/kg

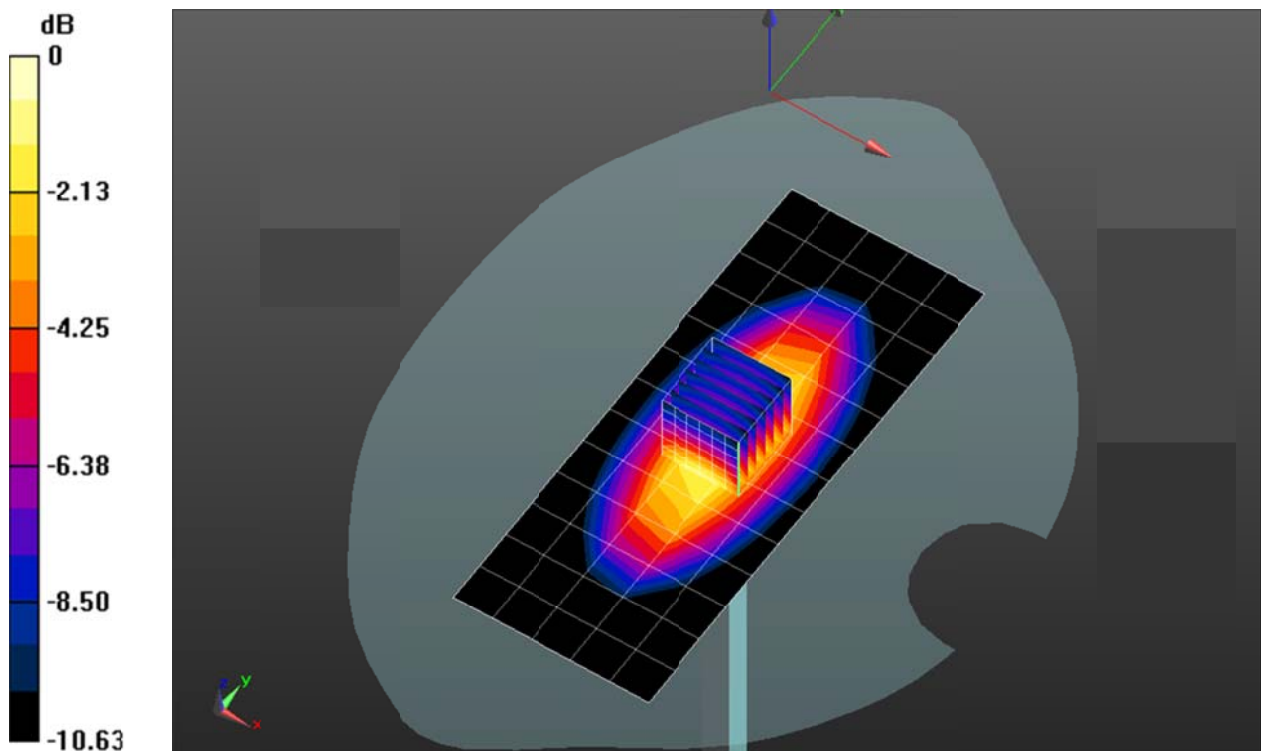
**Body/Pin=100mW,d=15mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.372 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.622 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg



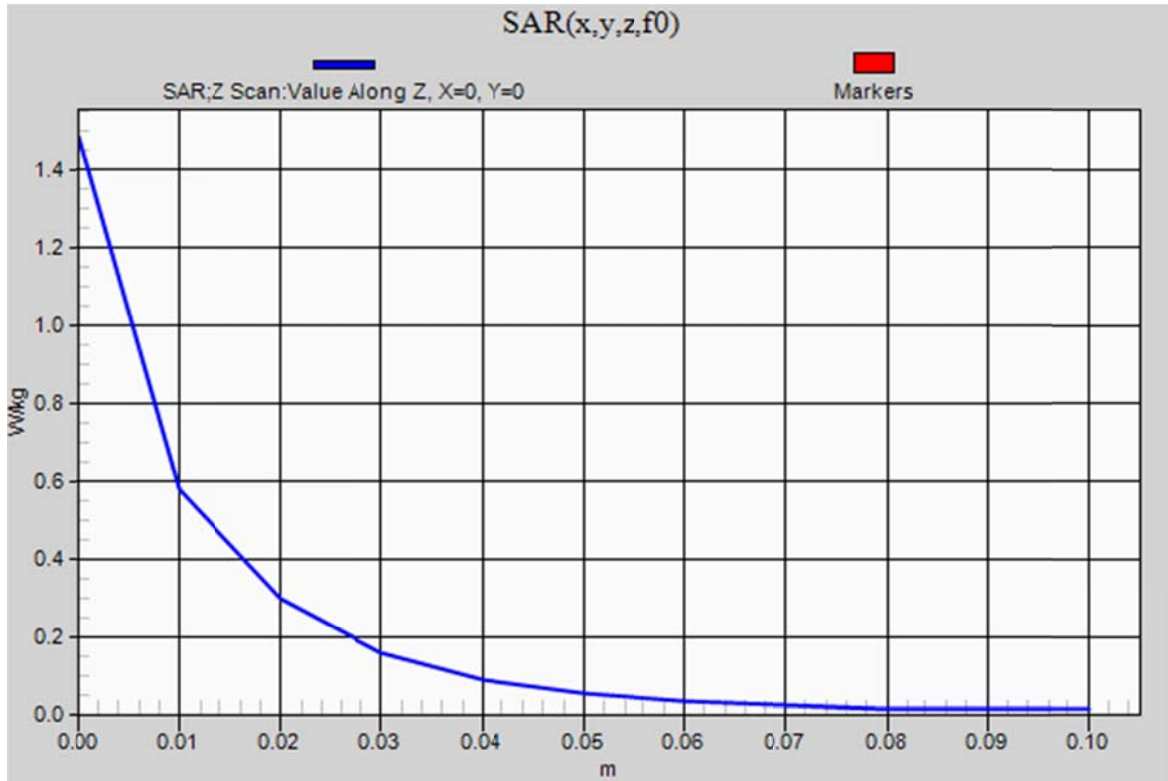
0 dB = 1.15 W/kg = 0.61 dBW/kg

### 20130116\_System Check\_Dipole835V2 SN4d015

Frequency: 835 MHz; Duty Cycle: 1:1

**Body/Pin=100mW,d=15mm/Z Scan (1x1x11):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.48 W/kg



## 20130116\_System check\_Diple2450v2 SN728

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.905$  mho/m;  $\epsilon_r = 51.722$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2012/03/16
- Probe: EX3DV4 - SN3665; ConvF(7.11, 7.11, 7.11); Calibrated: 2012/04/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150

**Body/Pin=100mW, d=10mm/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.4 W/kg

**Body/Pin=100mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

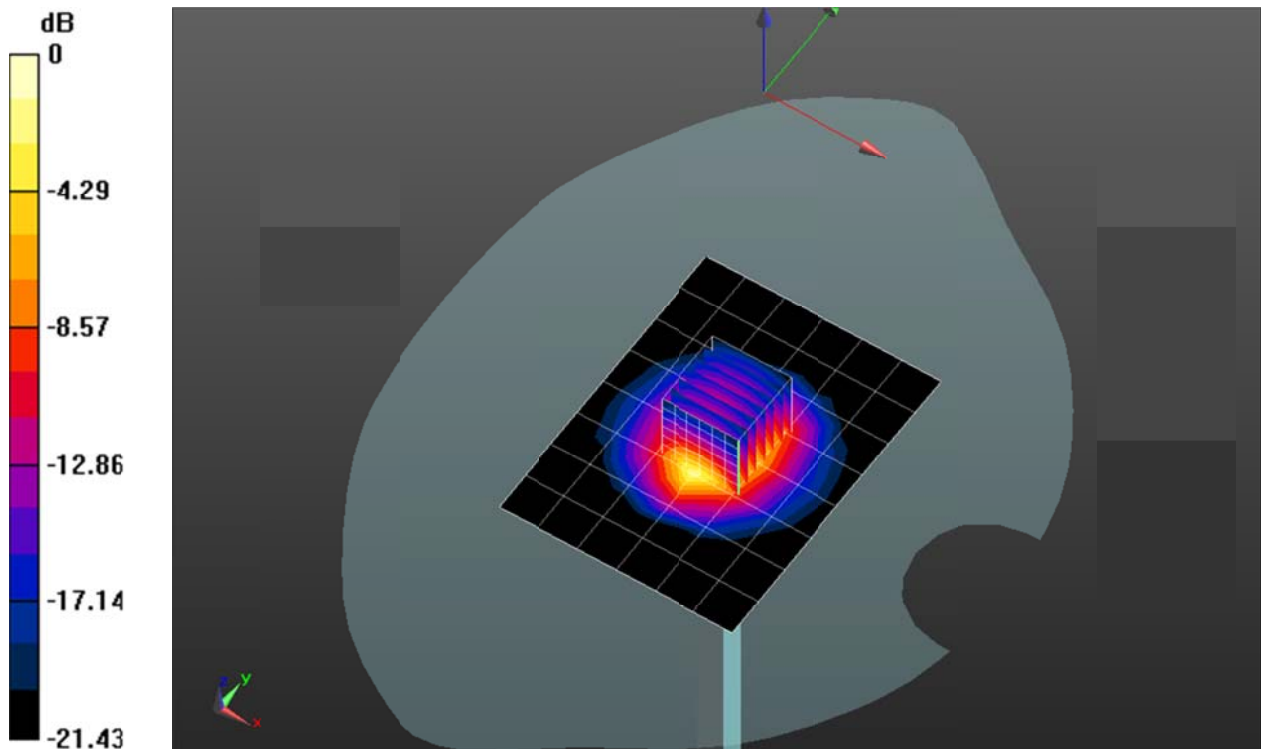
Reference Value = 75.535 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 11.0 W/kg

**SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.47 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 8.83 W/kg



0 dB = 8.83 W/kg = 9.46 dBW/kg

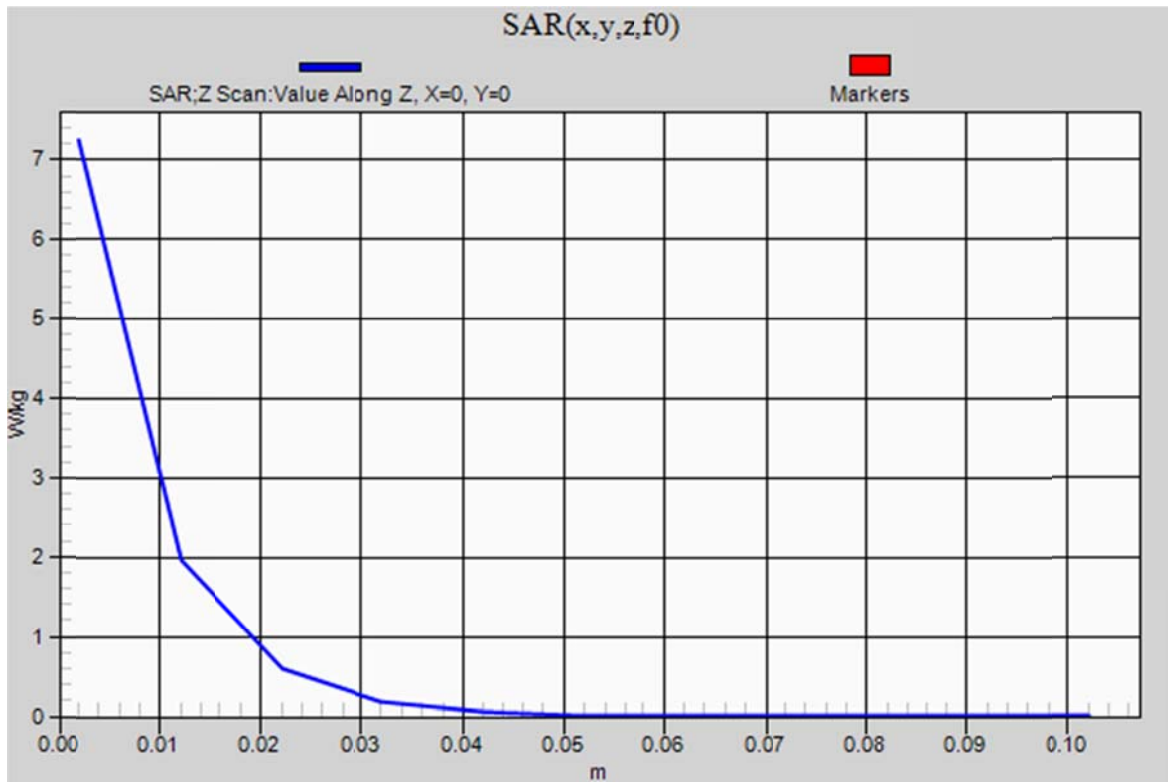
### 20130116\_System check\_Diple2450v2 SN728

Frequency: 2450 MHz; Duty Cycle: 1:1

**Body/Pin=100mW, d=10mm/Z Scan (1x1x11):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 7.25 W/kg



## 20130118\_System Check\_Dipole1900V2 SN5d056

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.558$  S/m;  $\epsilon_r = 51.56$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2012/03/16
- Probe: EX3DV4 - SN3665; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/04/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150

**Body/Pin=100mW,d=10mm/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.01 W/kg

**Body/Pin=100mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

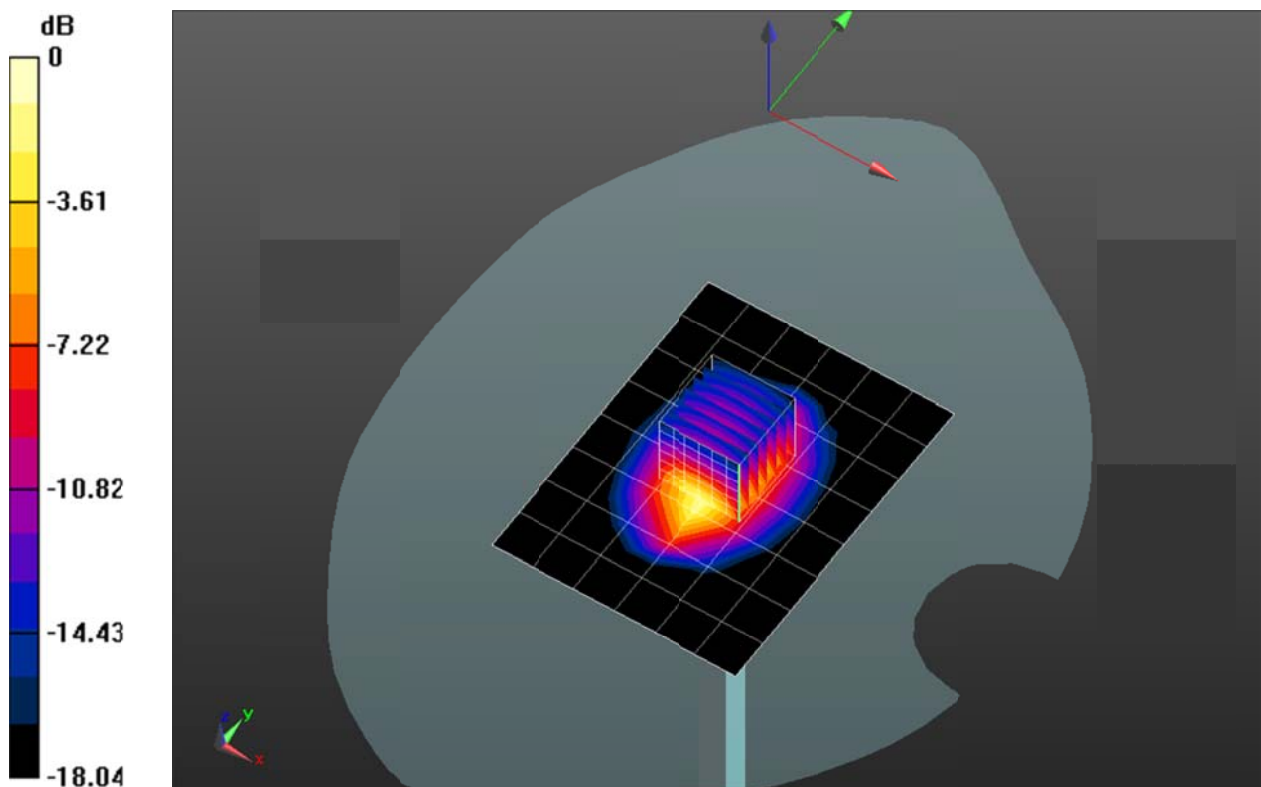
Reference Value = 64.443 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.34 W/kg

**SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.04 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 6.14 W/kg



0 dB = 6.14 W/kg = 7.88 dBW/kg

### 20130118\_System Check\_Dipole1900V2 SN5d056

Frequency: 1900 MHz; Duty Cycle: 1:1

**Body/Pin=100mW,d=10mm/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.94 W/kg

