

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 37.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.5, 4.5, 4.5); Calibrated: 2014-03-27; Electronics: DAE3 Sn519

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 21.2

### **2450 MHz System Verification**

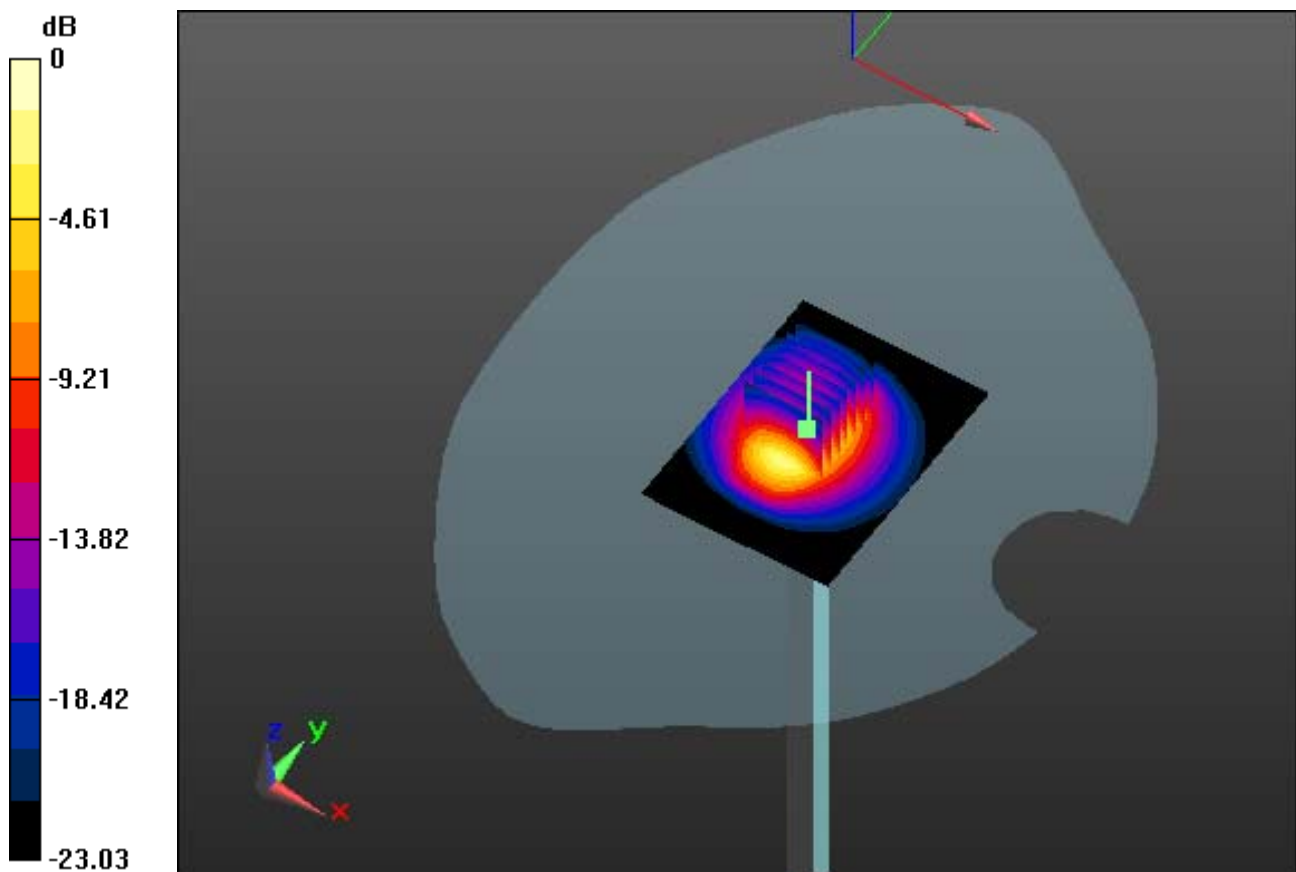
**Area Scan (61x81x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.88 W/kg



0 dB = 18.2 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 37.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.5, 4.5, 4.5); Calibrated: 2014-03-27; Electronics: DAE3 Sn519

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 21.2

### **2450 MHz System Verification**

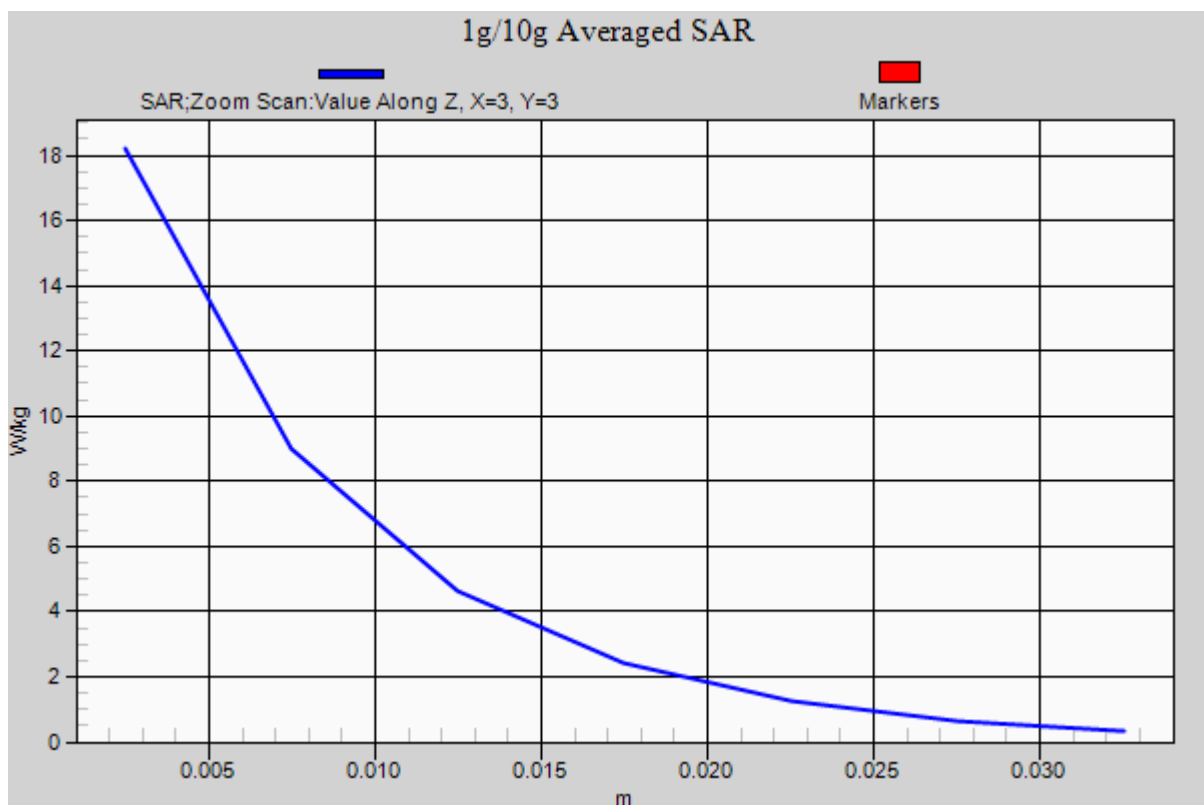
**Area Scan (61x81x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 26.8 W/kg

**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.88 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.965$  S/m;  $\epsilon_r = 51.228$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.21, 4.21, 4.21); Calibrated: 2013-09-24; Electronics: DAE3 Sn519

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

### **2450 MHz System Verification**

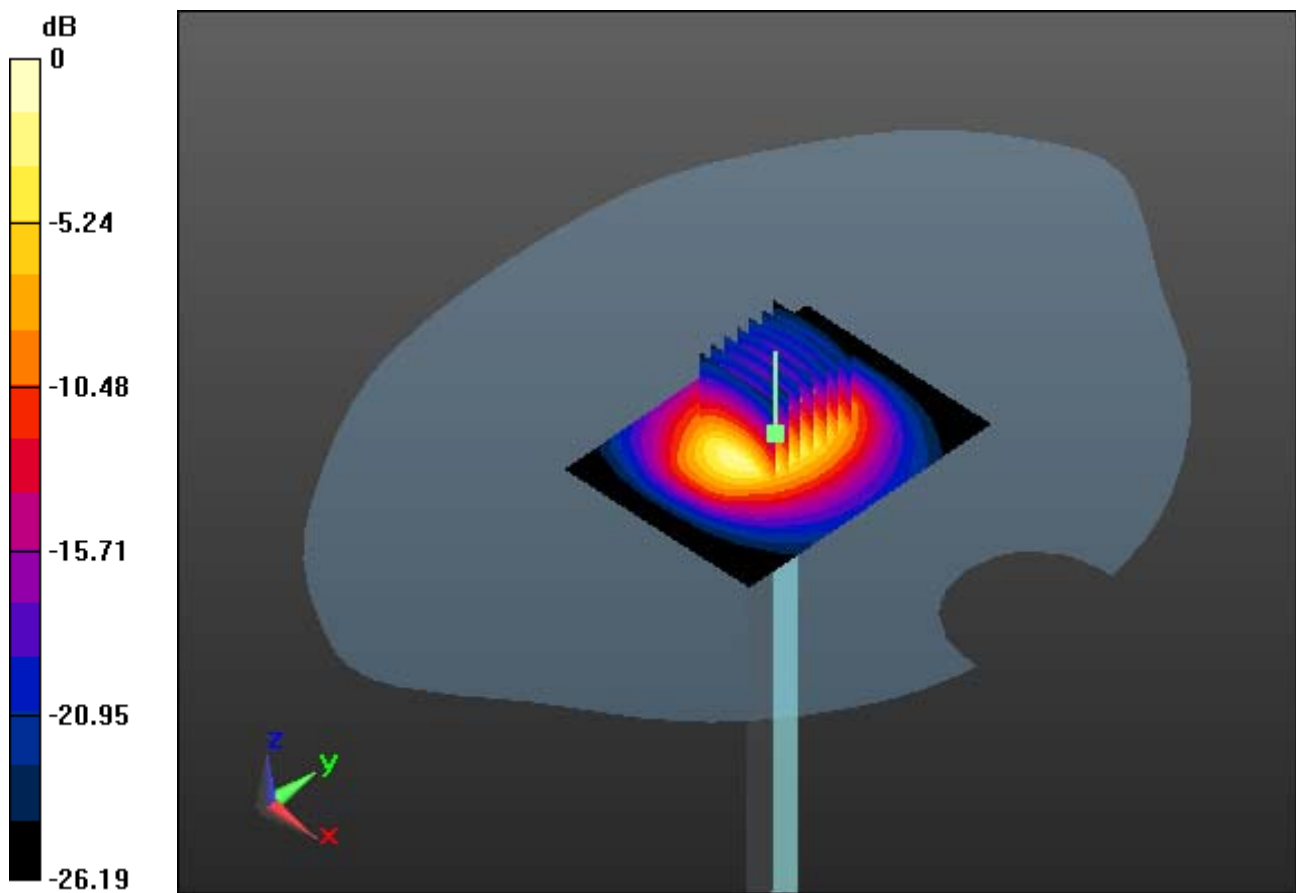
**Area Scan (61x81x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 30.6 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 5.66 W/kg



0 dB = 19.1 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.965$  S/m;  $\epsilon_r = 51.228$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.17, 4.17, 4.17); Calibrated: 2014-03-27; Electronics: DAE3 Sn519

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

### **2450 MHz System Verification**

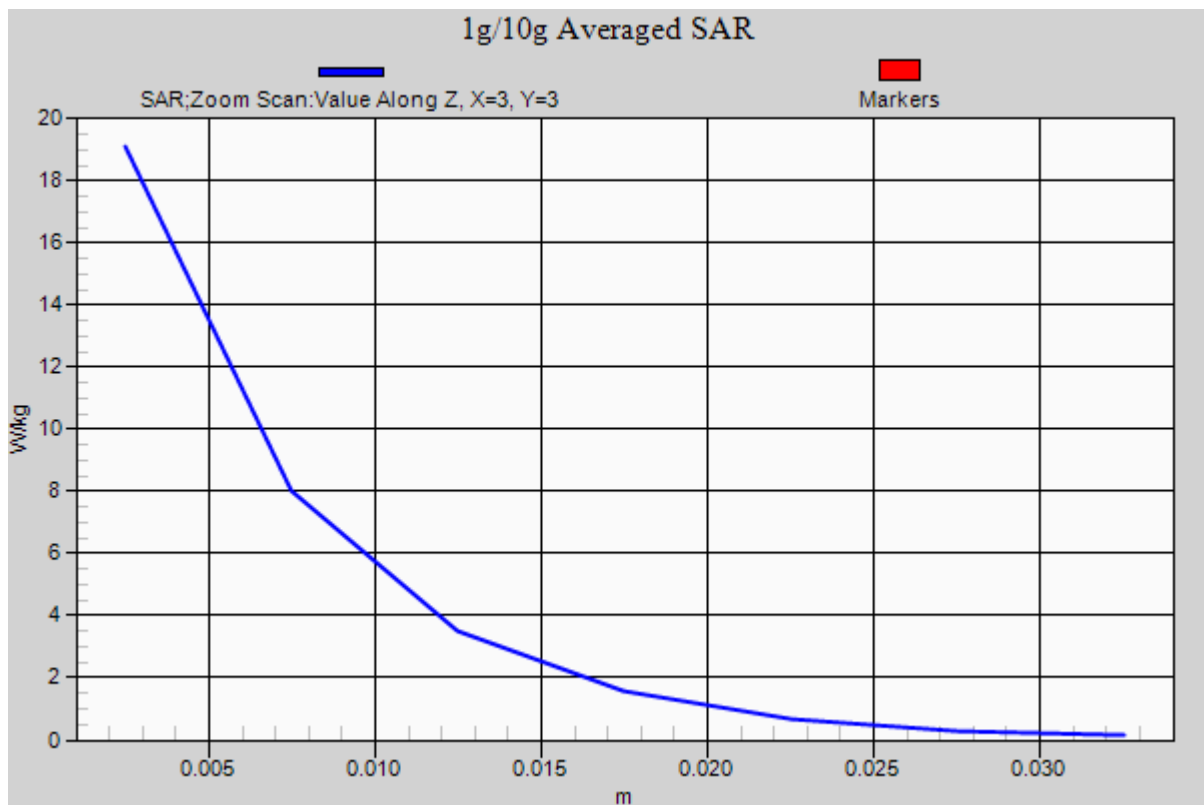
**Area Scan (61x81x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 30.6 W/kg

**SAR(1 g) = 13 W/kg; SAR(10 g) = 5.66 W/kg**



## DT&C Co., Ltd.

### **DUT: NAUTIZ X8; Type: PDA**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.791$  S/m;  $\epsilon_r = 37.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.5, 4.5, 4.5); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 21.2

### **Right Touch, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery**

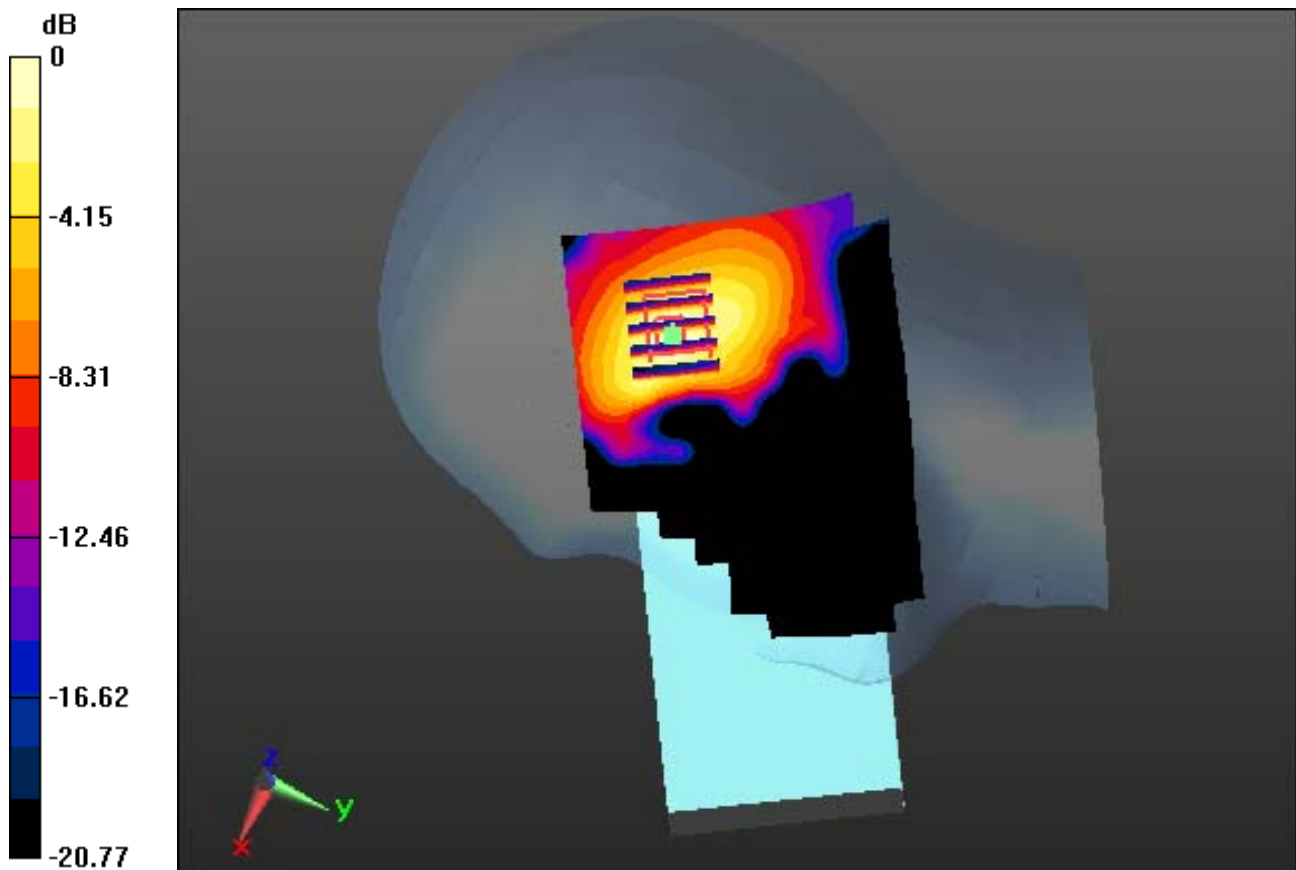
**Area Scan (101x141x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.133 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.033 W/kg



0 dB = 0.0850 W/kg

## DT&C Co., Ltd.

### **DUT: NAUTIZ X8; Type: PDA**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.791$  S/m;  $\epsilon_r = 37.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

#### **DASY5 Configuration:**

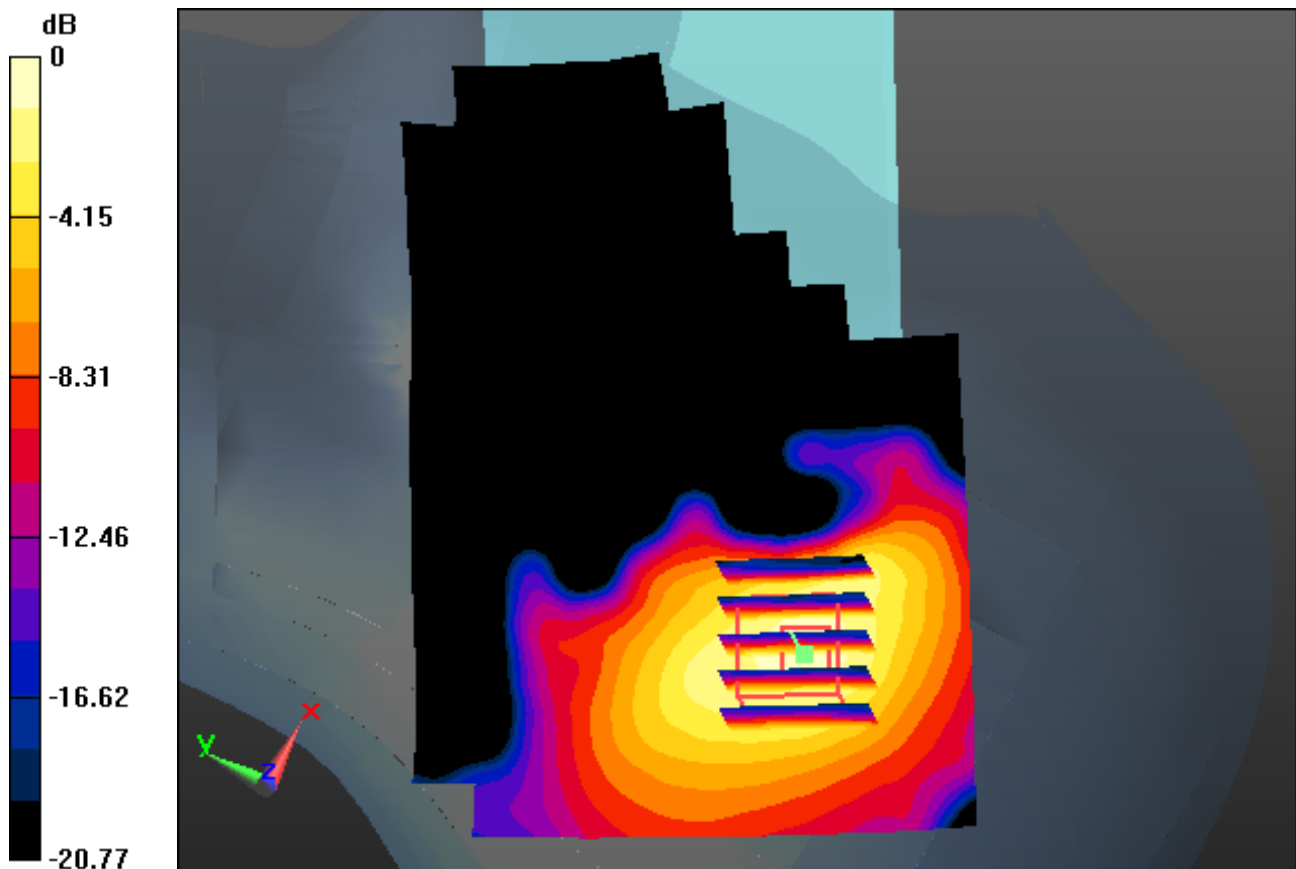
Probe: ES3DV3 - SN3328; ConvF(4.5, 4.5, 4.5); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 21.2

### **Right Touch, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery**

#### **With Enlarge plot image**

**Area Scan (101x141x1):** Interpolated grid: dx=12mm, dy=12mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 0.133 W/kg  
**SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.033 W/kg**



0 dB = 0.0850 W/kg

## DT&C Co., Ltd.

### DUT: NAUTIZ X8; Type: PDA

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.791$  S/m;  $\epsilon_r = 37.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

#### DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.5, 4.5, 4.5); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 21.2

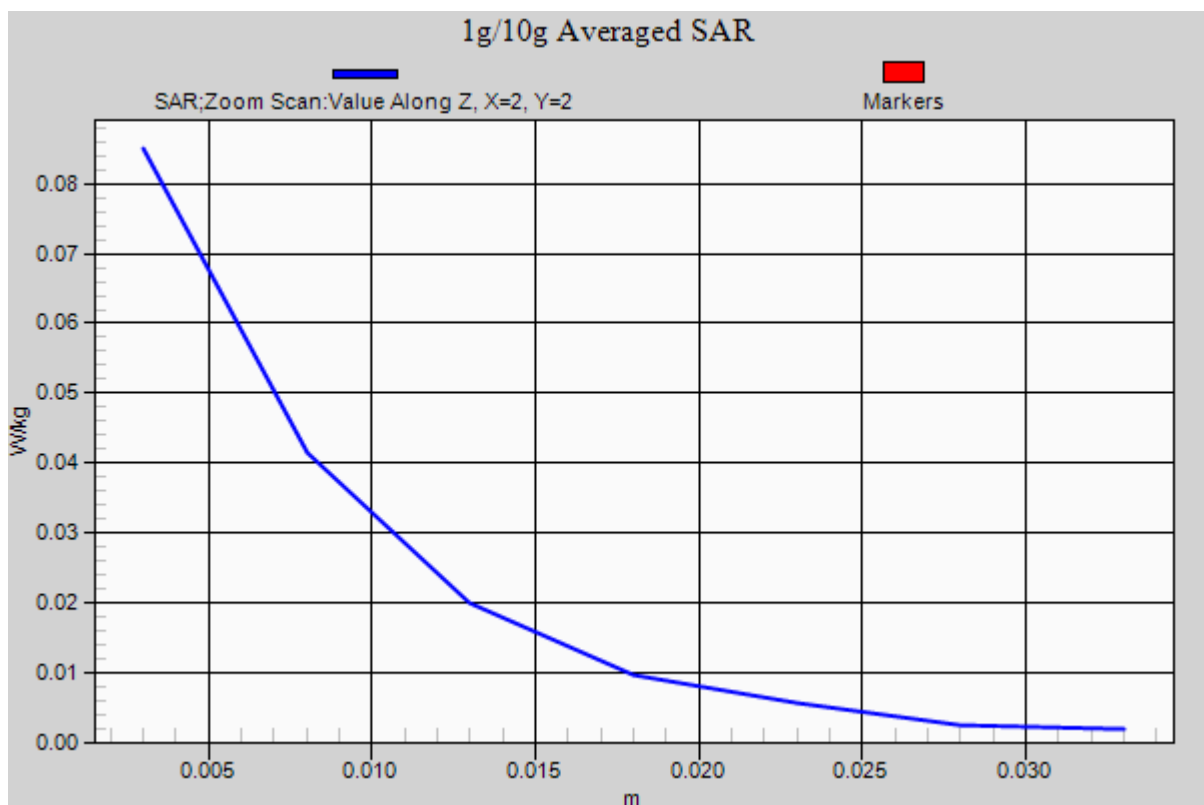
### Right Touch, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery

**Area Scan (101x141x1):** Interpolated grid: dx=12mm, dy=12mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.133 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.033 W/kg





## DT&C Co., Ltd.

### **DUT: NAUTIZ X8; Type: PDA**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.922$  S/m;  $\epsilon_r = 51.322$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.17, 4.17, 4.17); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

### **1 cm space from Body, Front, W-LAN(802.11b) Ch. 1, Ant Internal**

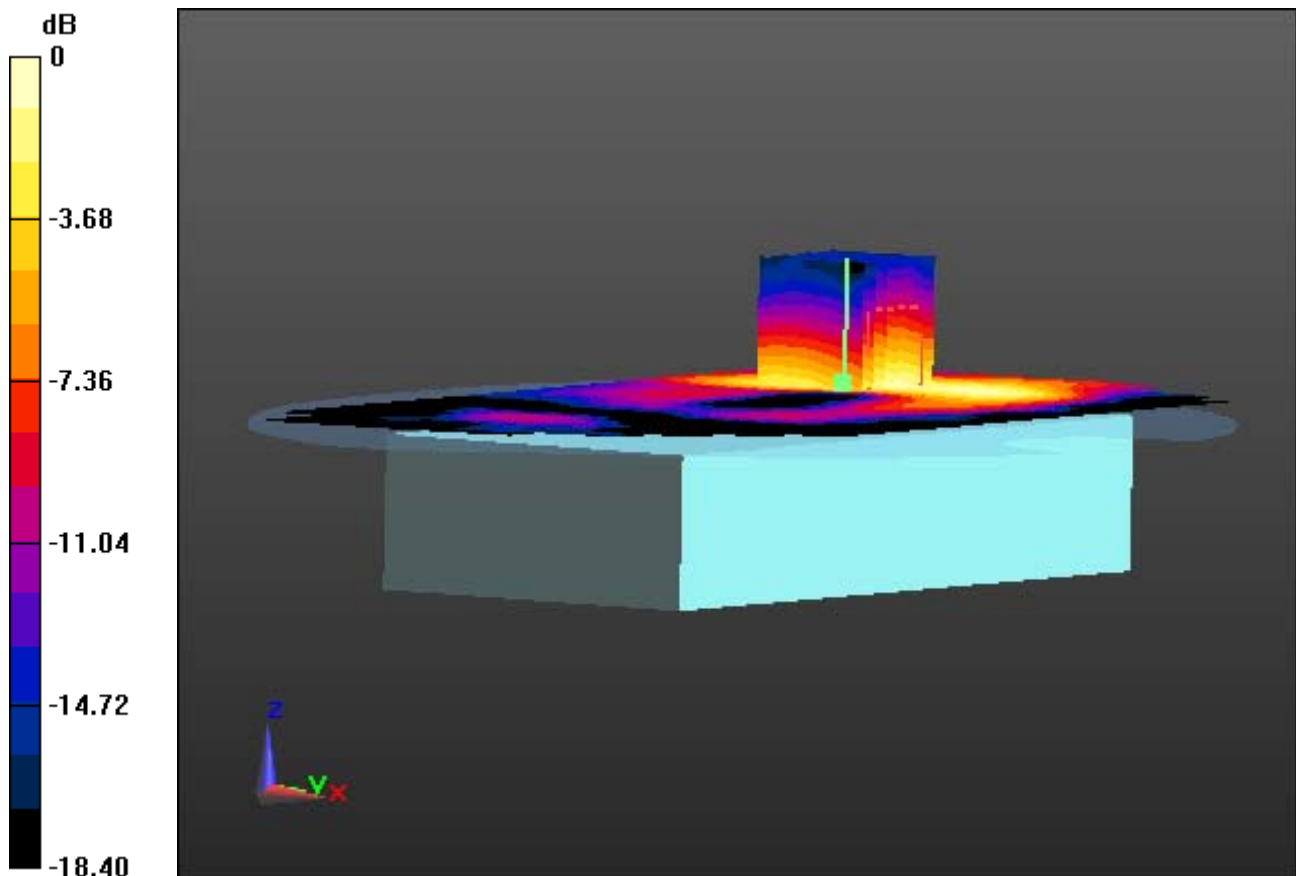
**Area Scan (121x211x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.177 W/kg

**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.052 W/kg**



0 dB = 0.119 W/kg

## DT&C Co., Ltd.

**DUT: NAUTIZ X8; Type: PDA**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.922 \text{ S/m}$ ;  $\epsilon_r = 51.322$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.17, 4.17, 4.17); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

**1 cm space from Body, Front, W-LAN(802.11b) Ch. 1, Ant Internal**

**With Enlarge plot image**

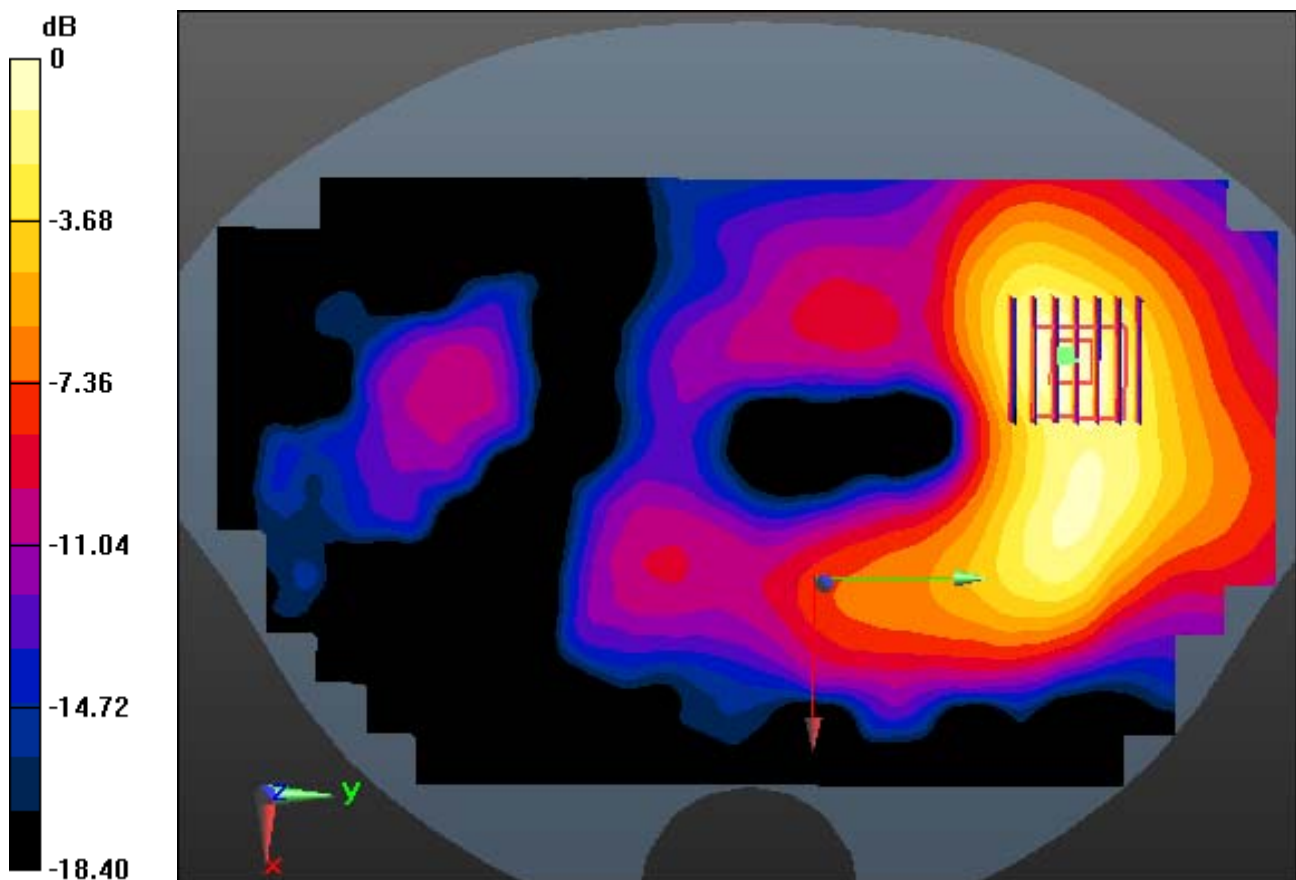
**Area Scan (121x211x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.177 W/kg

**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.052 W/kg**



0 dB = 0.119 W/kg

## DT&C Co., Ltd.

### DUT: NAUTIZ X8; Type: PDA

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.922$  S/m;  $\epsilon_r = 51.322$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

#### DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.17, 4.17, 4.17); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

### 1 cm space from Body, Front, W-LAN(802.11b) Ch. 1, Ant Internal

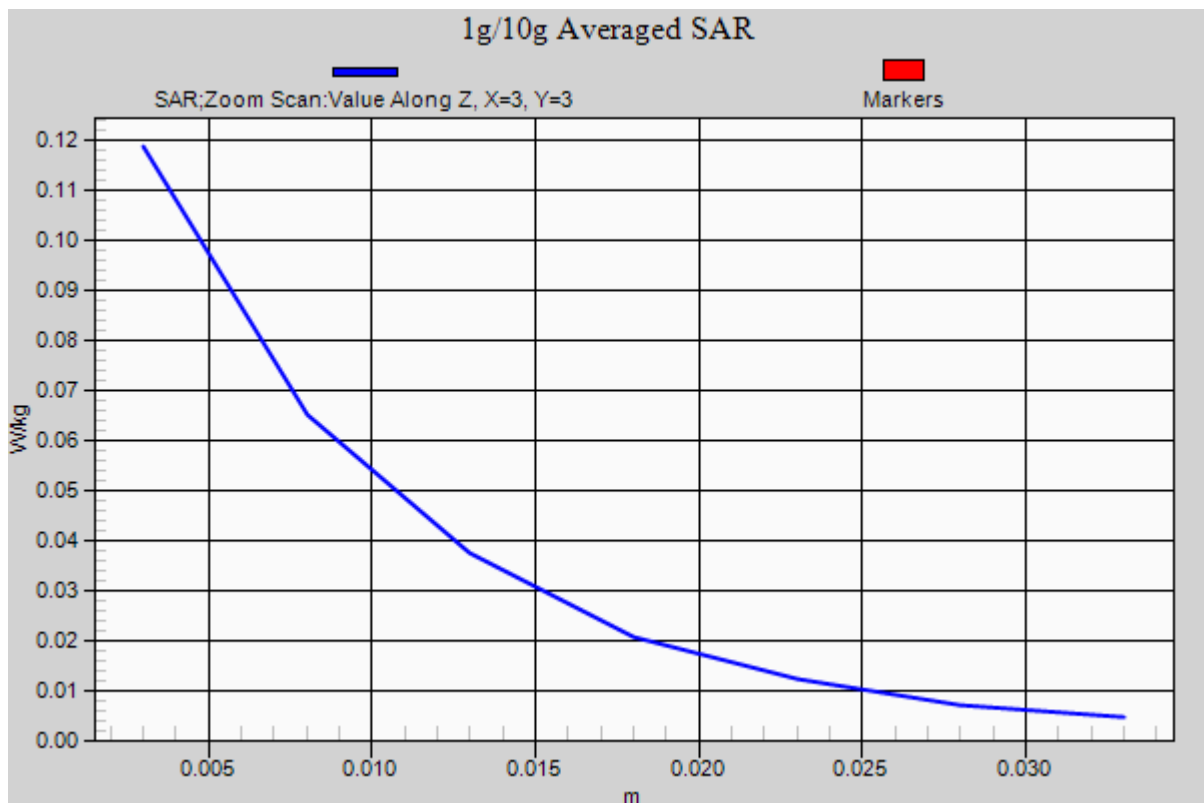
**Area Scan (121x211x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.177 W/kg

**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.052 W/kg**



## DT&C Co., Ltd.

### **DUT: NAUTIZ X8; Type: PDA**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.922$  S/m;  $\epsilon_r = 51.322$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

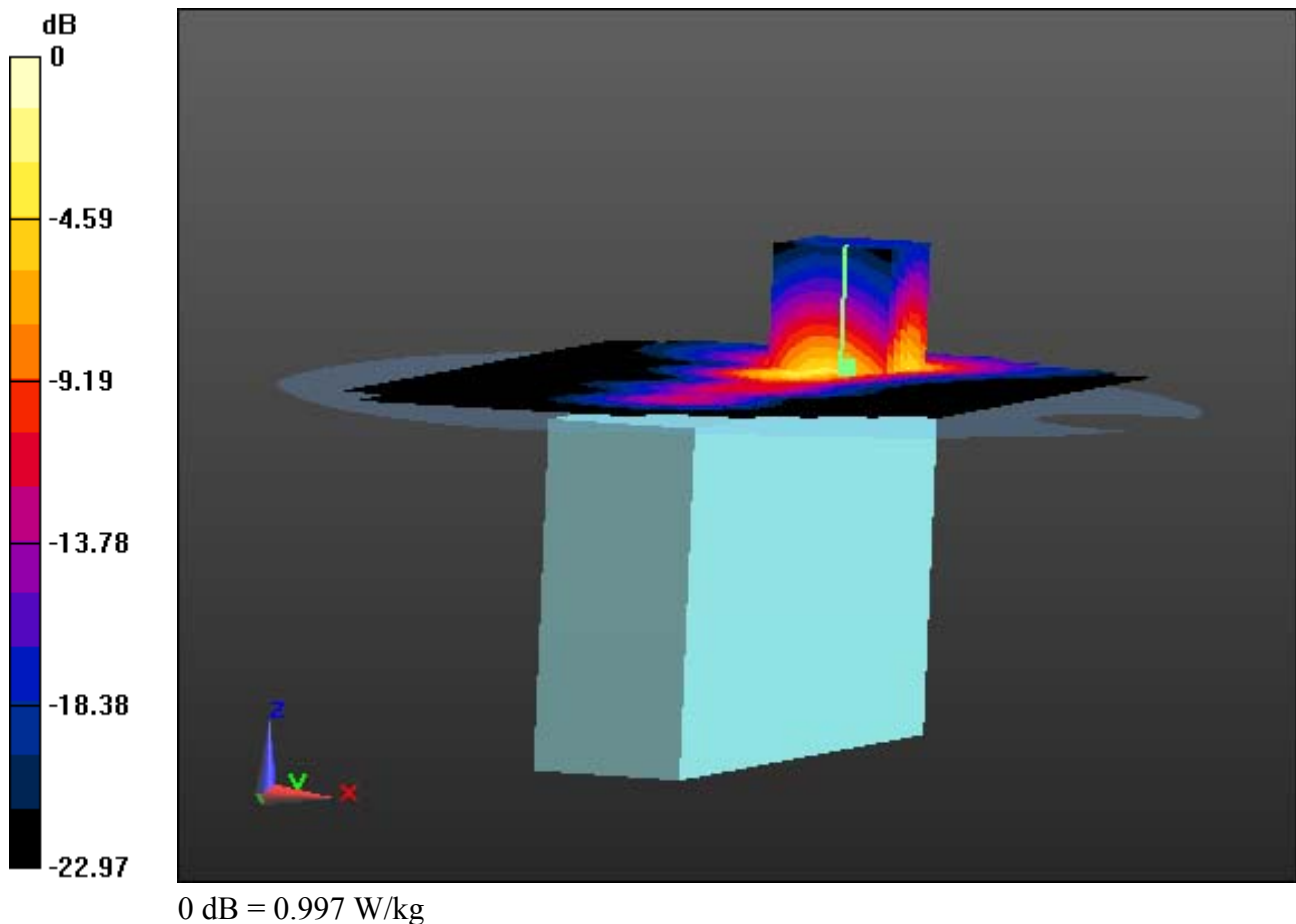
#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.17, 4.17, 4.17); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

### **Touch from Body, Left, W-LAN(802.11b) Ch. 1, Ant Internal**

**Area Scan (121x211x1):** Interpolated grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 1.82 W/kg  
**SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.346 W/kg**



## DT&C Co., Ltd.

**DUT: NAUTIZ X8; Type: PDA**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.922$  S/m;  $\epsilon_r = 51.322$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

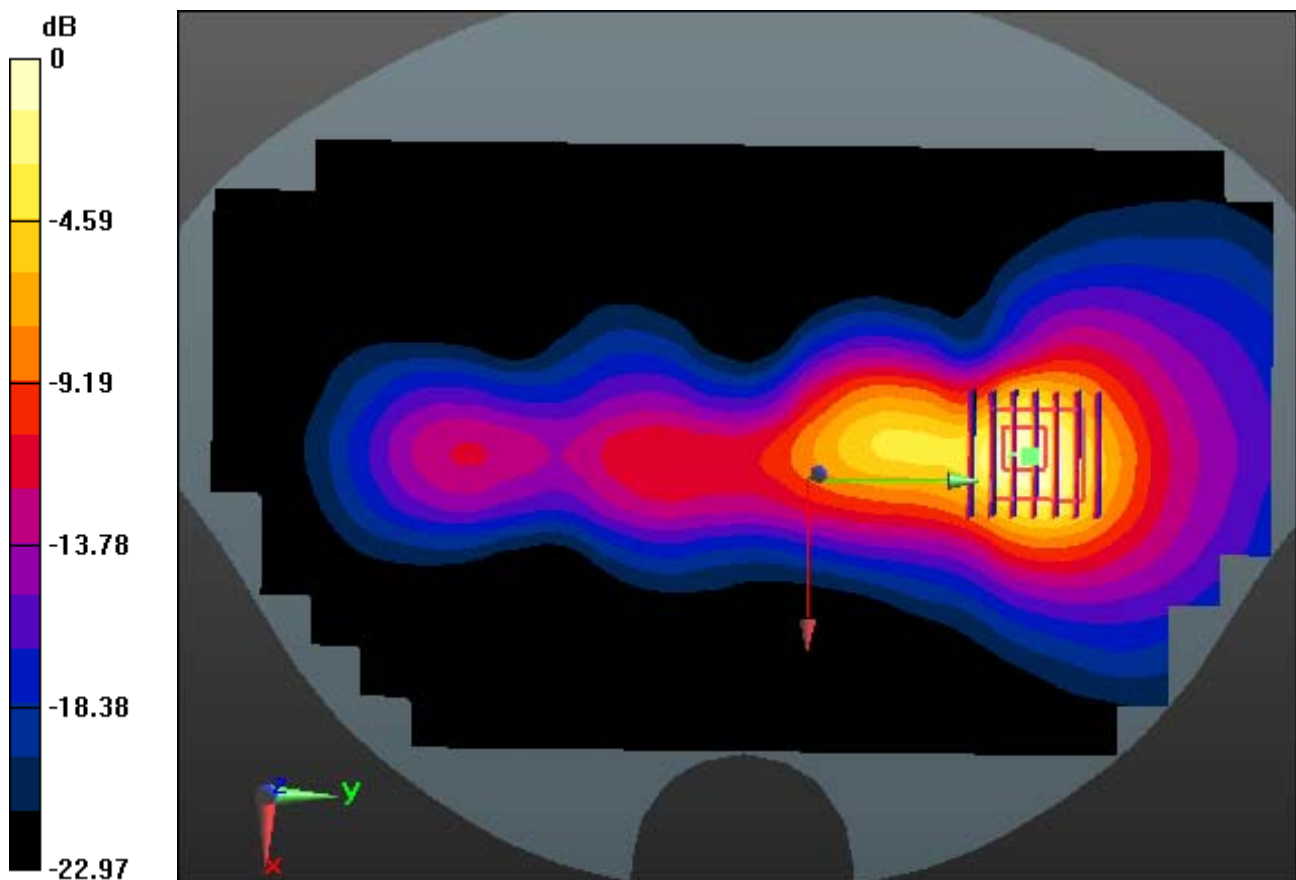
Probe: ES3DV3 - SN3328; ConvF(4.17, 4.17, 4.17); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

**Touch from Body, Left, W-LAN(802.11b) Ch. 1, Ant Internal**

**With Enlarge plot image**

**Area Scan (121x211x1):** Interpolated grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 1.82 W/kg  
**SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.346 W/kg**



0 dB = 0.997 W/kg

## DT&C Co., Ltd.

### **DUT: NAUTIZ X8; Type: PDA**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.922$  S/m;  $\epsilon_r = 51.322$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.17, 4.17, 4.17); Calibrated: 2014-03-27; Electronics: DAE3 Sn519  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-08-20; Ambient Temp: 20.7; Tissue Temp: 20.9

### **Touch from Body, Left, W-LAN(802.11b) Ch. 1, Ant Internal**

**Area Scan (121x211x1):** Interpolated grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 1.82 W/kg  
**SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.346 W/kg**

