

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

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

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.906 \text{ S/m}$ ;  $\epsilon_r = 41.675$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2; Tissue Temp: 21.7

### **835 MHz System Verification**

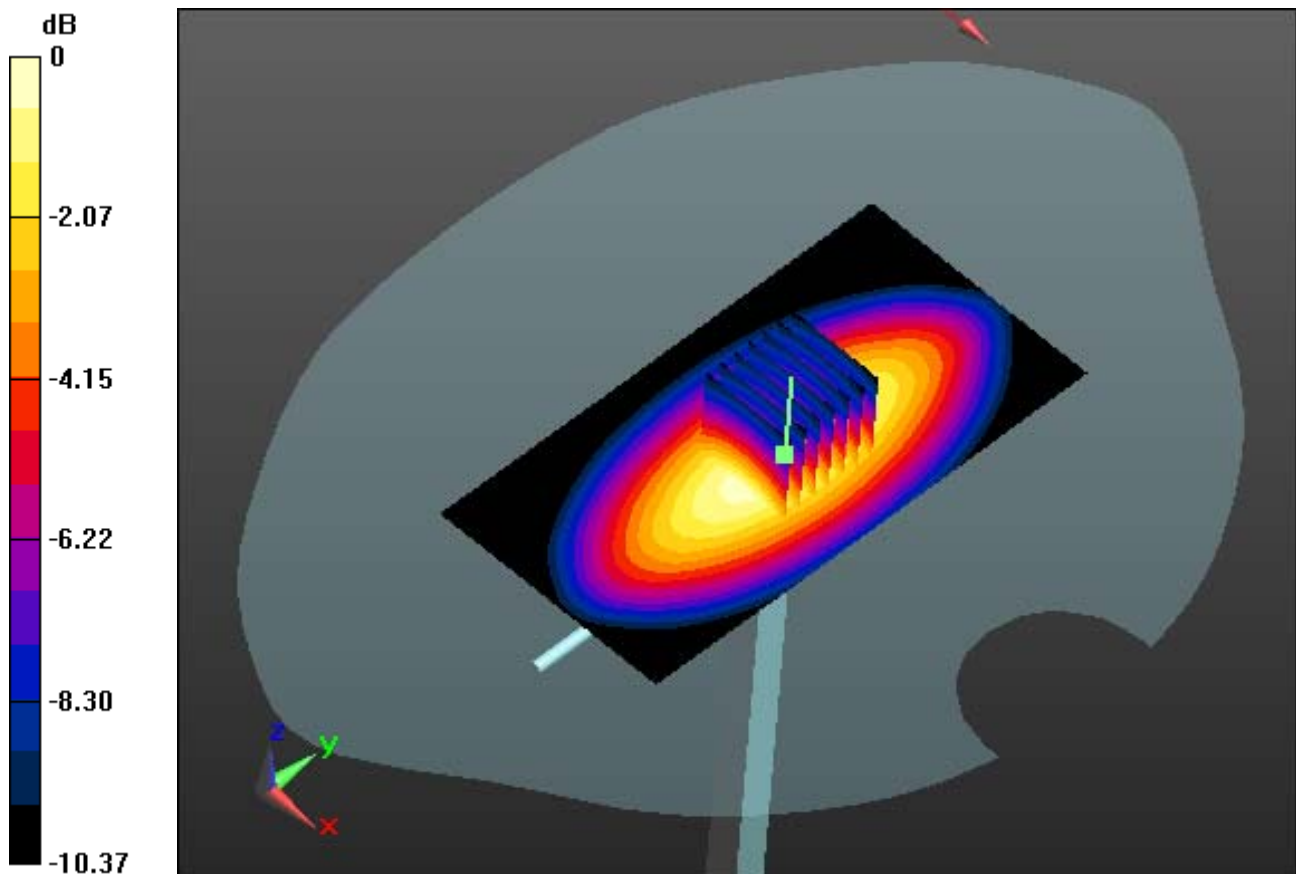
**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 3.69 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.65 W/kg



0 dB = 2.93 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

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

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.906 \text{ S/m}$ ;  $\epsilon_r = 41.675$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2; Tissue Temp: 21.7

### **835 MHz System Verification**

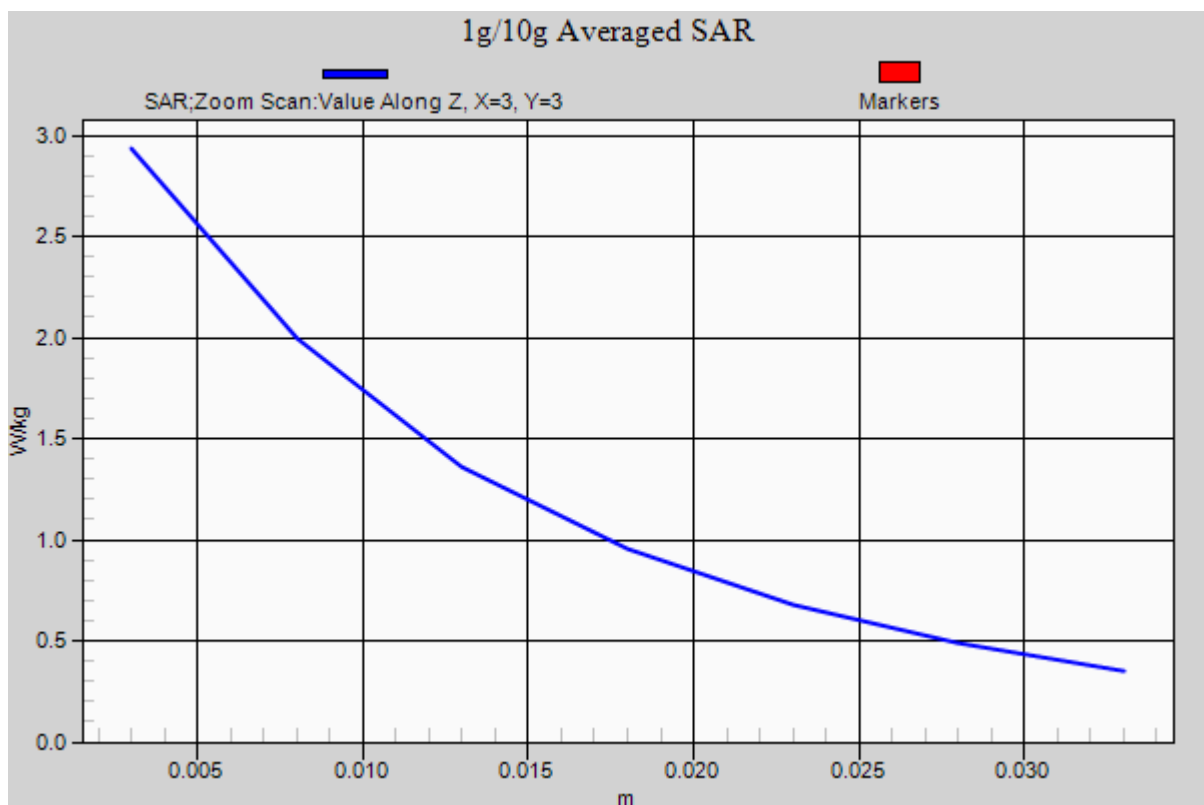
**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 3.69 W/kg

**SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.65 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.006 \text{ S/m}$ ;  $\epsilon_r = 53.273$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2 Tissue Temp: 21.7

### **835 MHz System Verification**

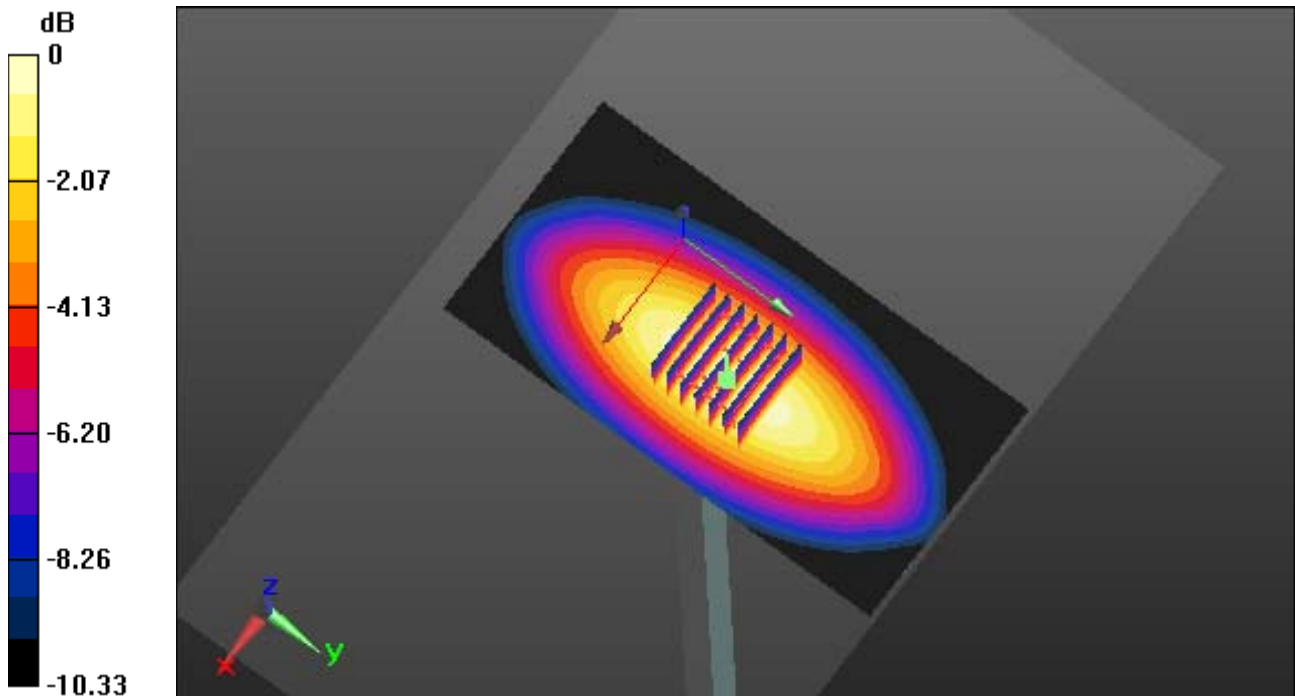
**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.36 W/kg

SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.69 W/kg



0 dB = 3.37 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.006 \text{ S/m}$ ;  $\epsilon_r = 53.273$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2 Tissue Temp: 21.7

### **835 MHz System Verification**

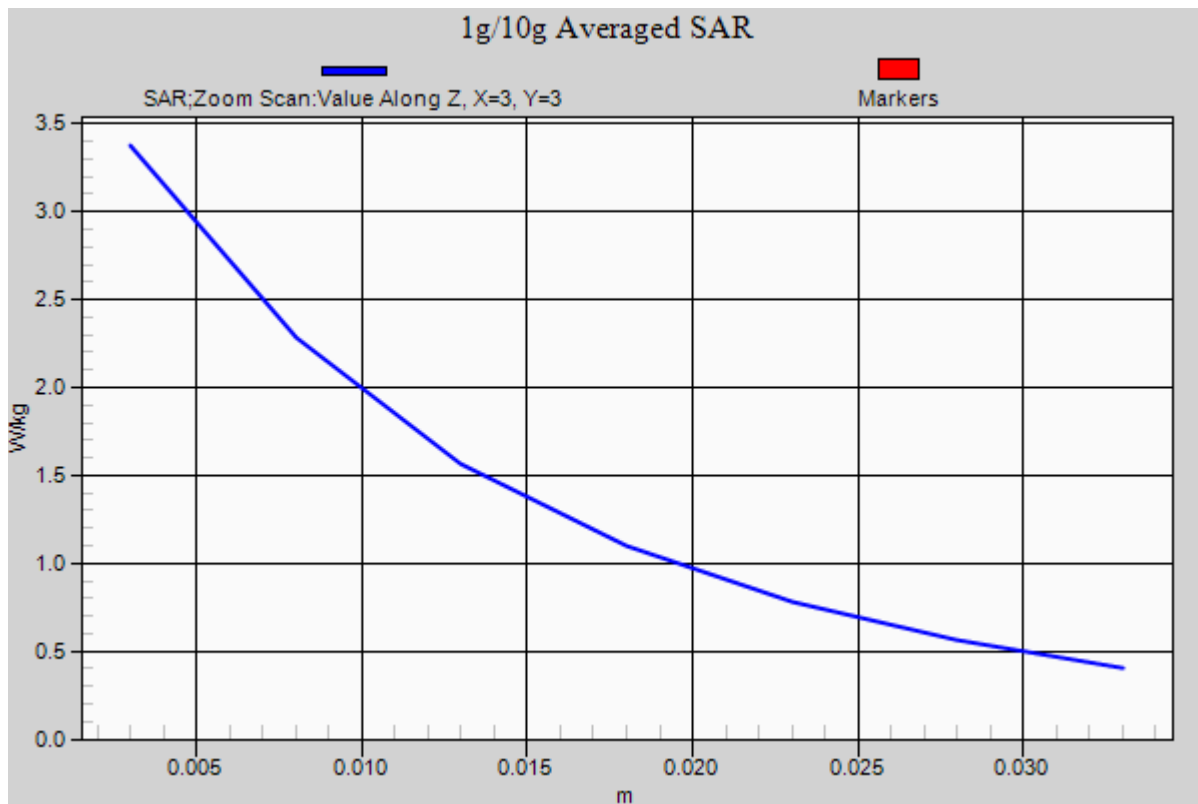
**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.36 W/kg

**SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.69 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.908 \text{ S/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

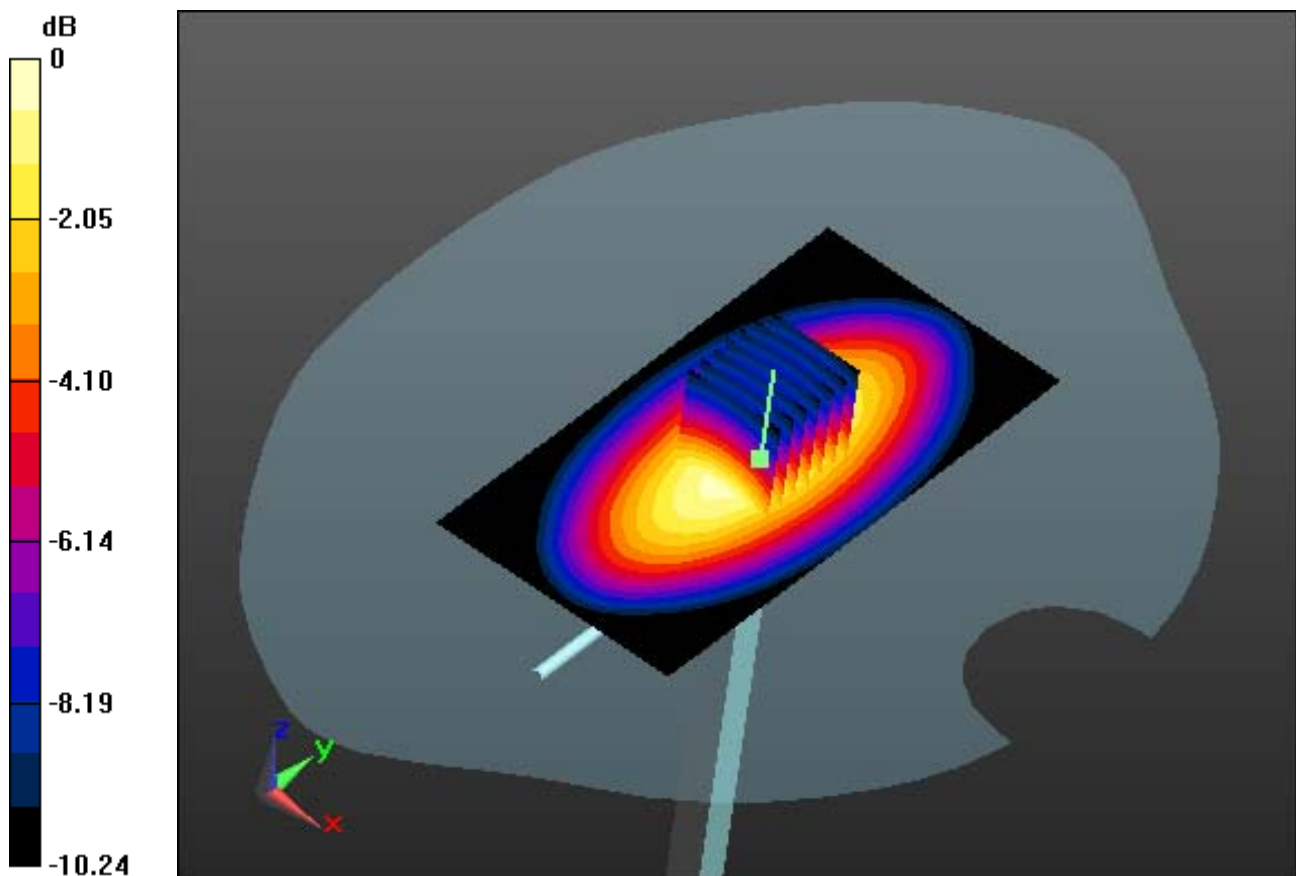
### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

### **835 MHz System Verification**

**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 3.66 W/kg  
**SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.59 W/kg**



0 dB = 2.89 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.908 \text{ S/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

### **835 MHz System Verification**

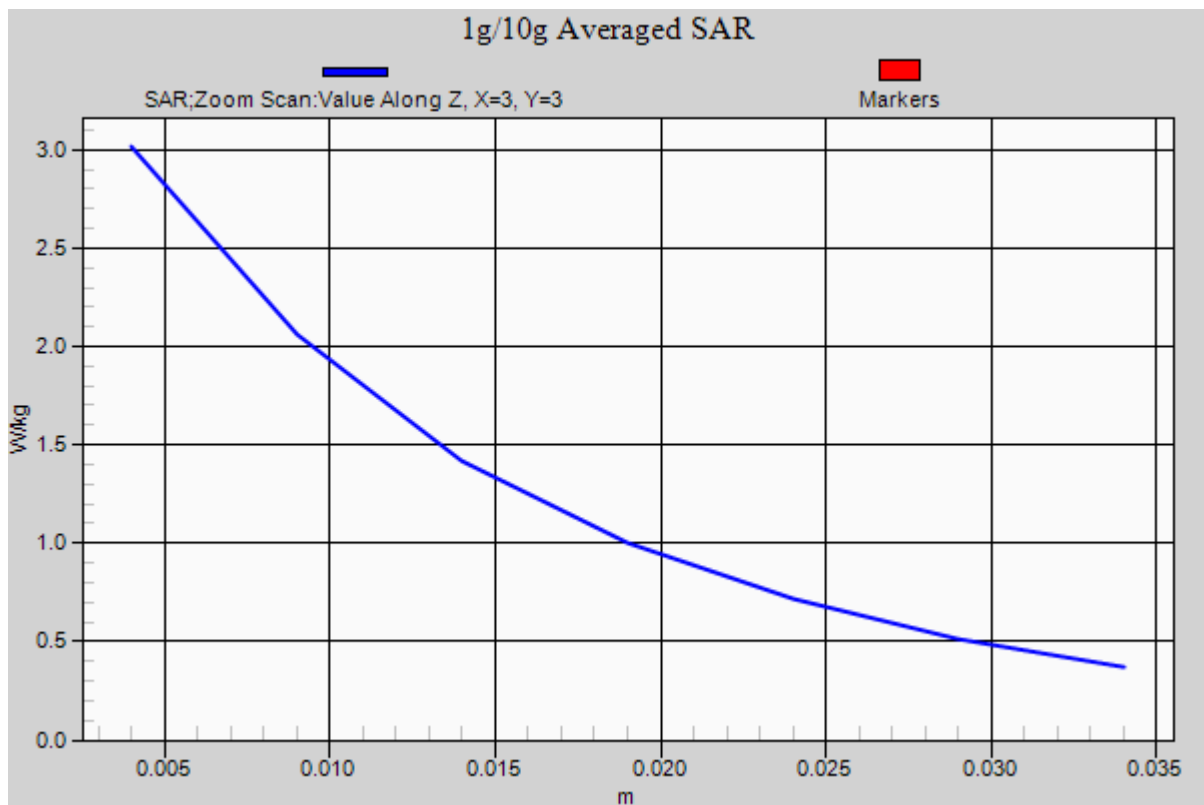
**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.66 W/kg

**SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.59 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.004 \text{ S/m}$ ;  $\epsilon_r = 53.602$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Center Section

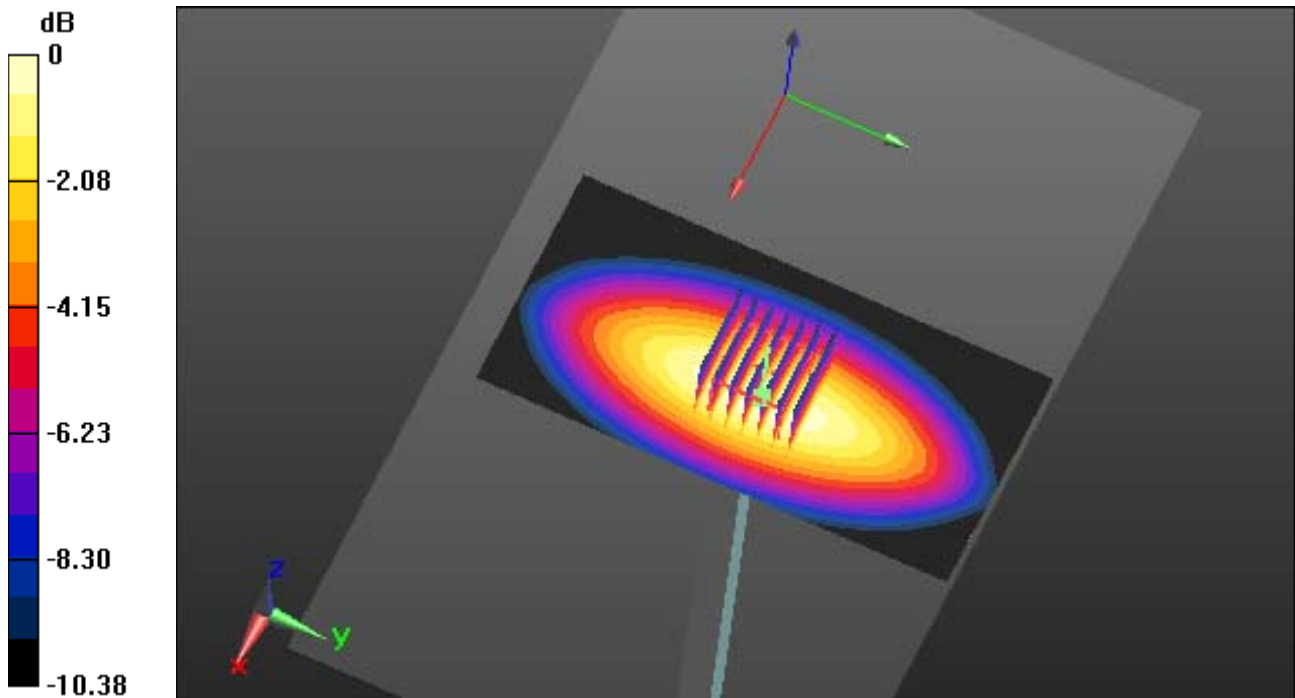
### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4 Tissue Temp: 21.9

### **835 MHz System Verification**

**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
**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) = 4.02 W/kg  
SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.59 W/kg



0 dB = 3.06 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159**

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.004 \text{ S/m}$ ;  $\epsilon_r = 53.602$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4 Tissue Temp: 21.9

### **835 MHz System Verification**

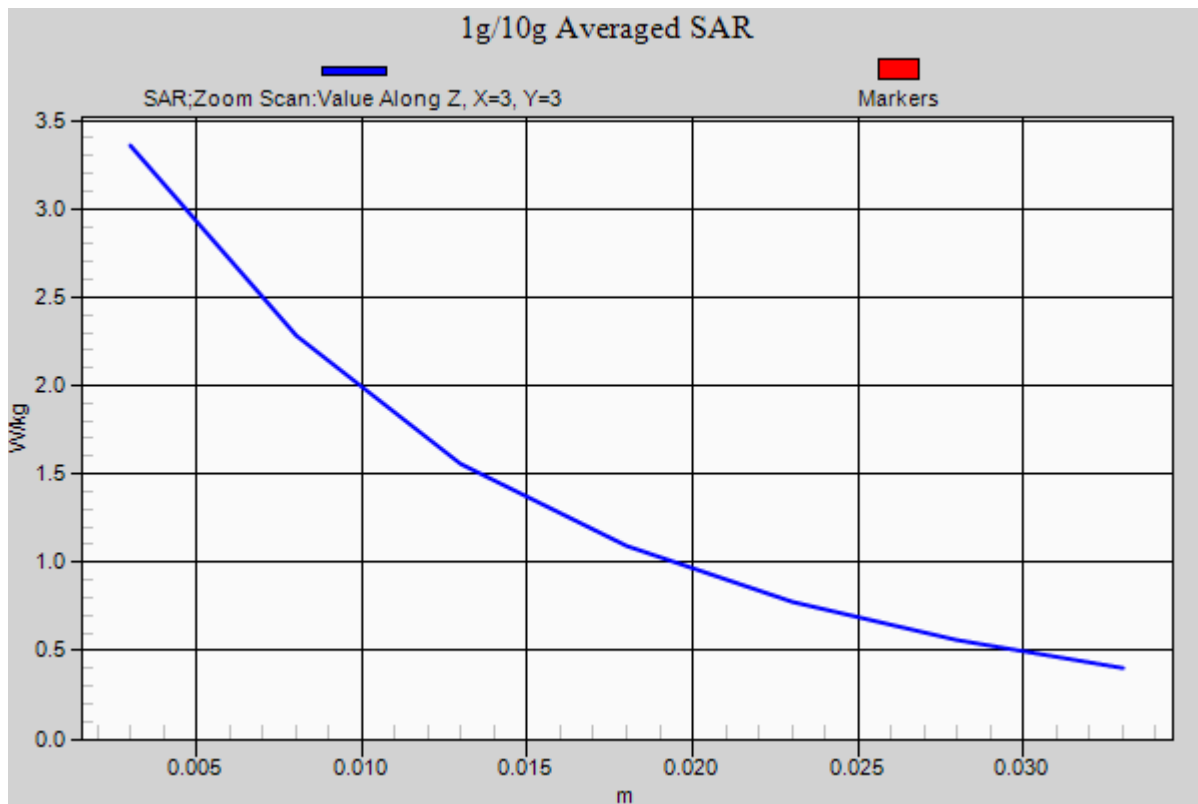
**Area Scan (51x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 4.02 W/kg

**SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.59 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176**

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

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.422 \text{ S/m}$ ;  $\epsilon_r = 40.16$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.04, 5.04, 5.04); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

### **1900 MHz System Verification**

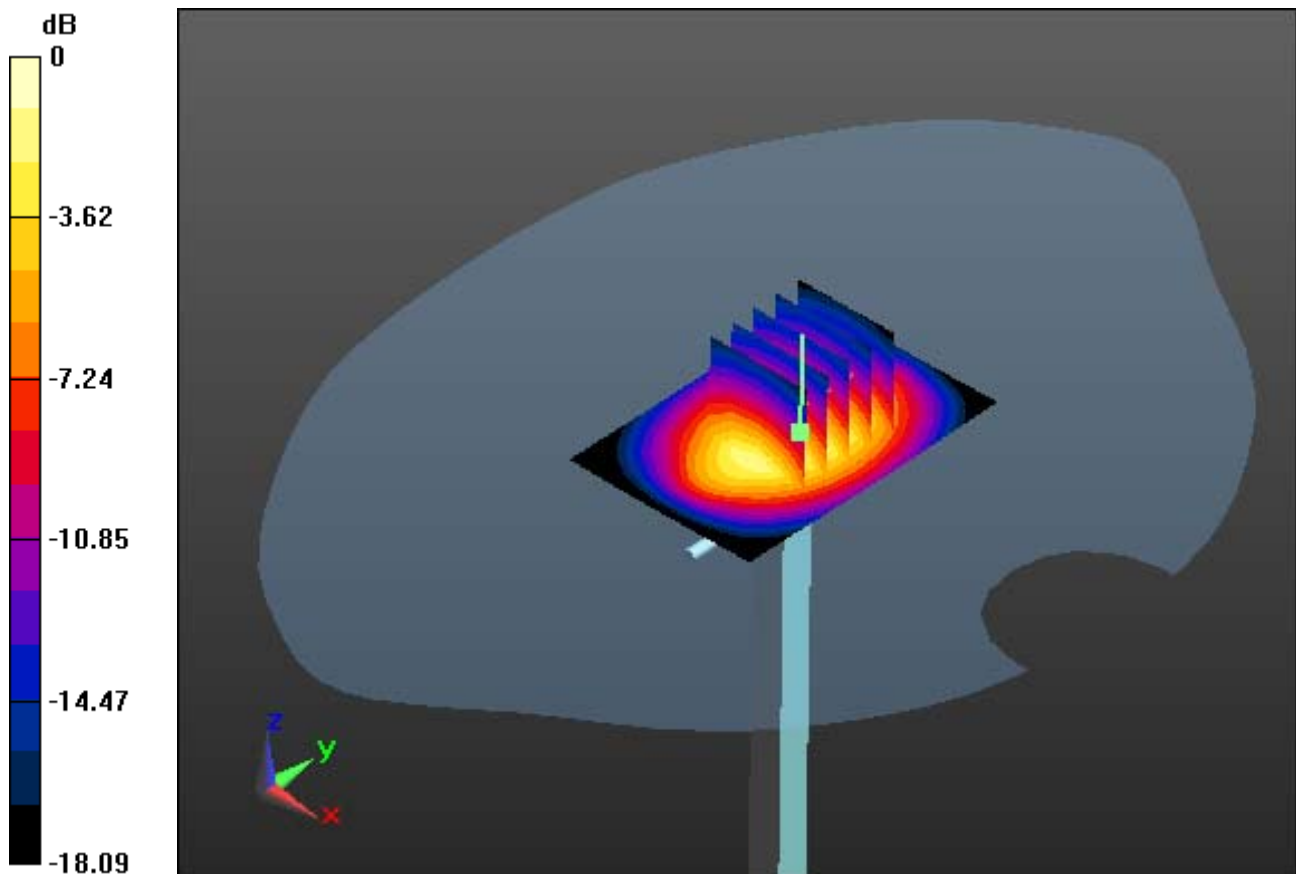
**Area Scan (41x61x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.39 W/kg



0 dB = 12.8 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176**

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

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.422 \text{ S/m}$ ;  $\epsilon_r = 40.16$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.04, 5.04, 5.04); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

### **1900 MHz System Verification**

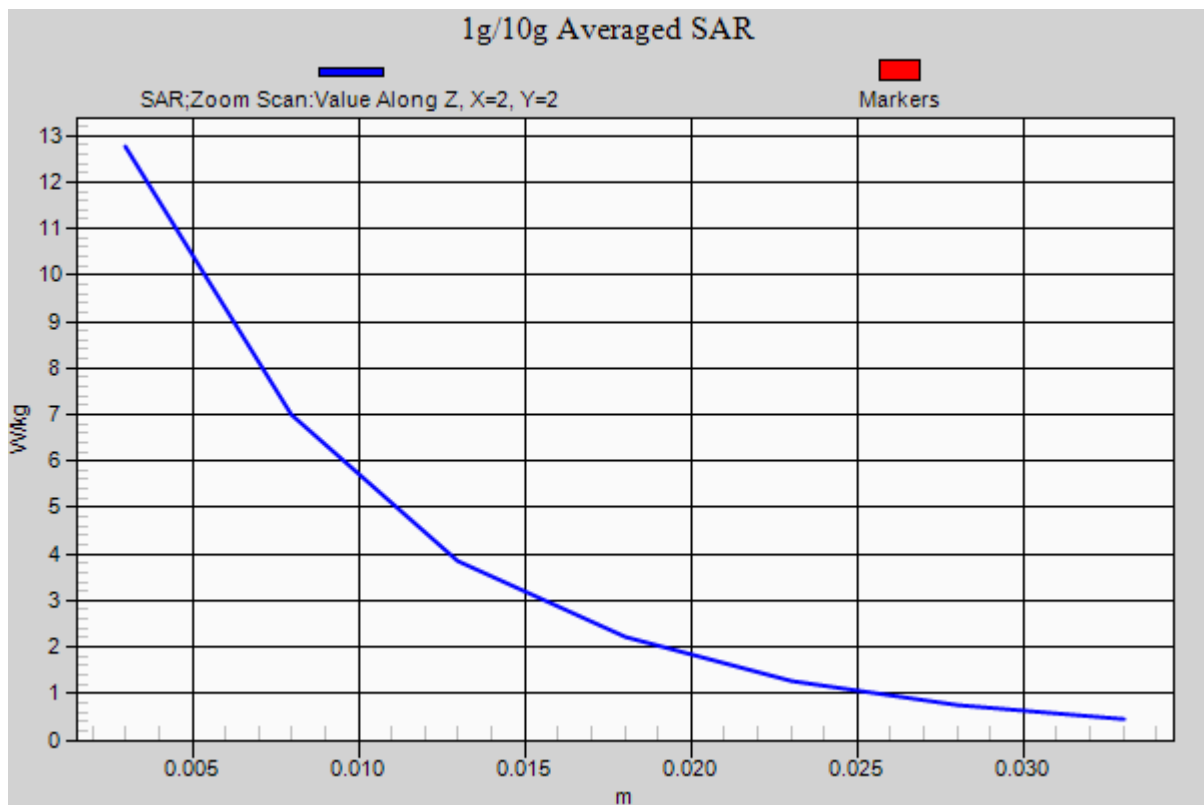
**Area Scan (41x61x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 18.4 W/kg

**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.39 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176**

Communication System: CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.556$  S/m;  $\epsilon_r = 52.409$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

### **1900 MHz System Verification**

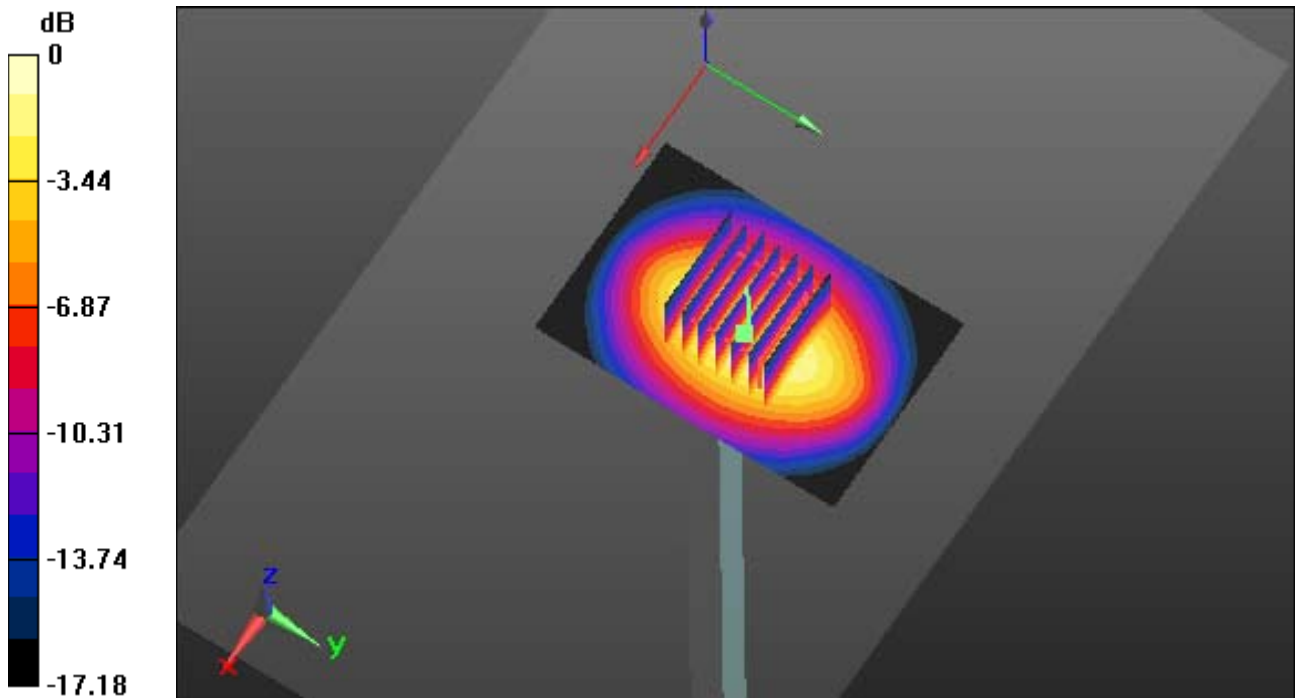
**Area Scan (61x91x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 22.1 W/kg

SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.28 W/kg



0 dB = 16.3 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176**

Communication System: CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.556$  S/m;  $\epsilon_r = 52.409$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

### **1900 MHz System Verification**

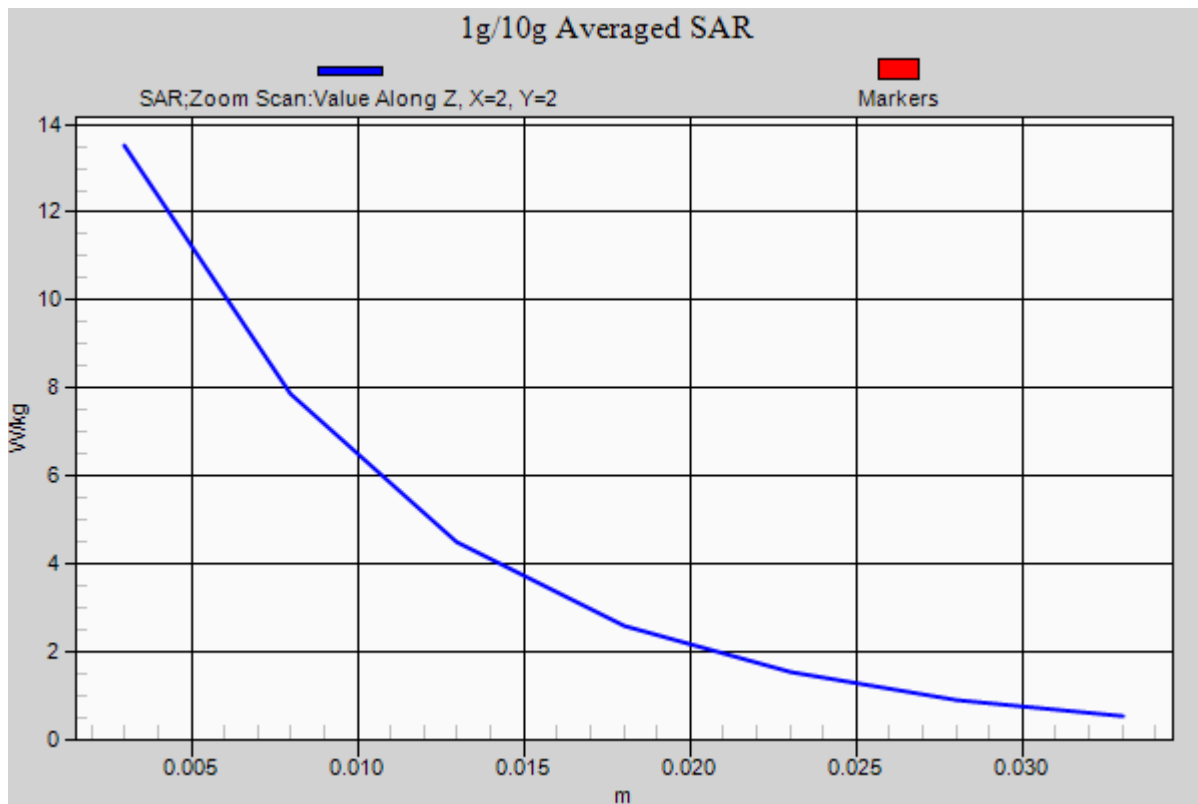
**Area Scan (61x91x1):** Interpolated grid: dx=15 mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 22.1 W/kg

**SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.28 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.868$  S/m;  $\epsilon_r = 39.336$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.47, 4.47, 4.47); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

### **2450 MHz System Verification**

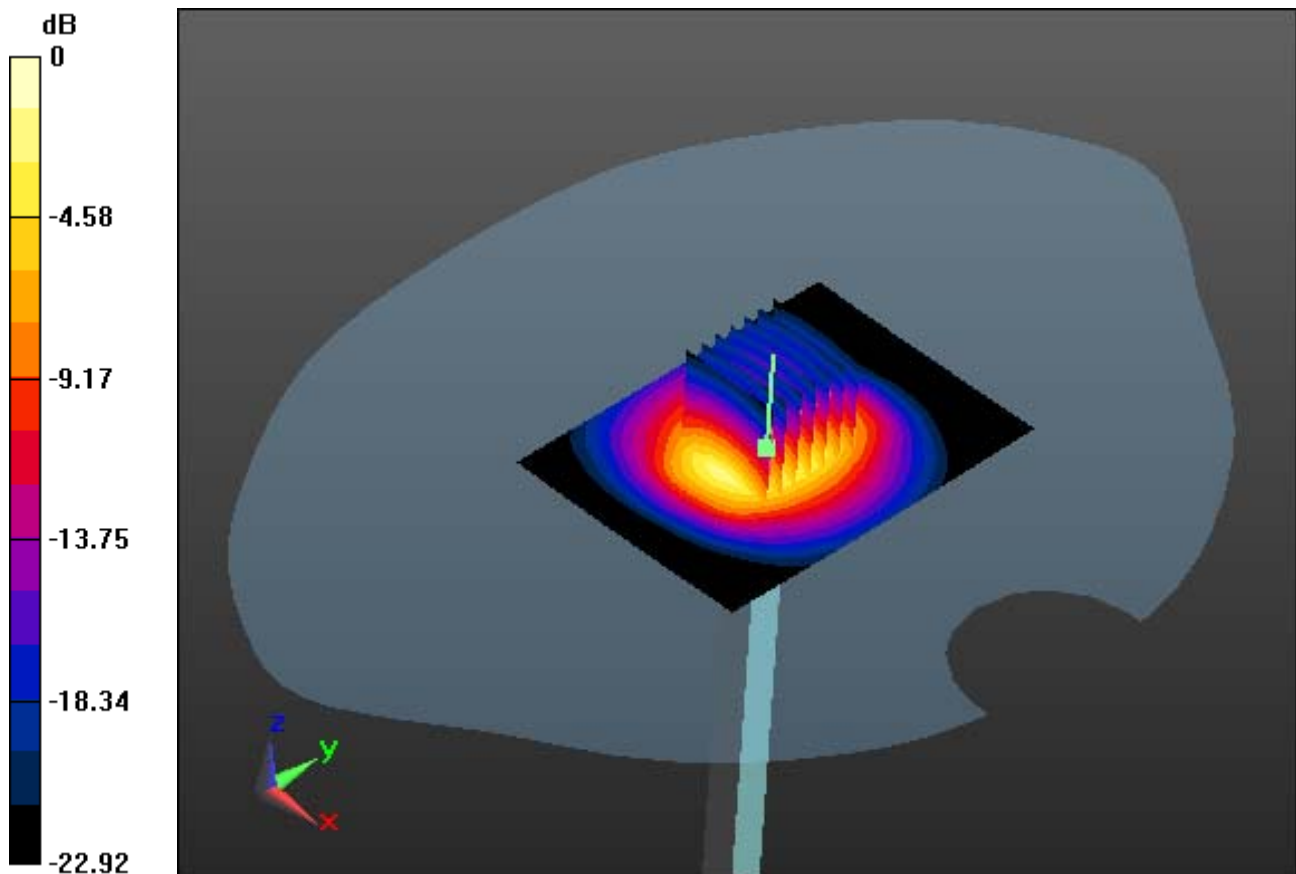
**Area Scan (51x71x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.49 W/kg



0 dB = 18.8 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.868$  S/m;  $\epsilon_r = 39.336$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.47, 4.47, 4.47); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

### **2450 MHz System Verification**

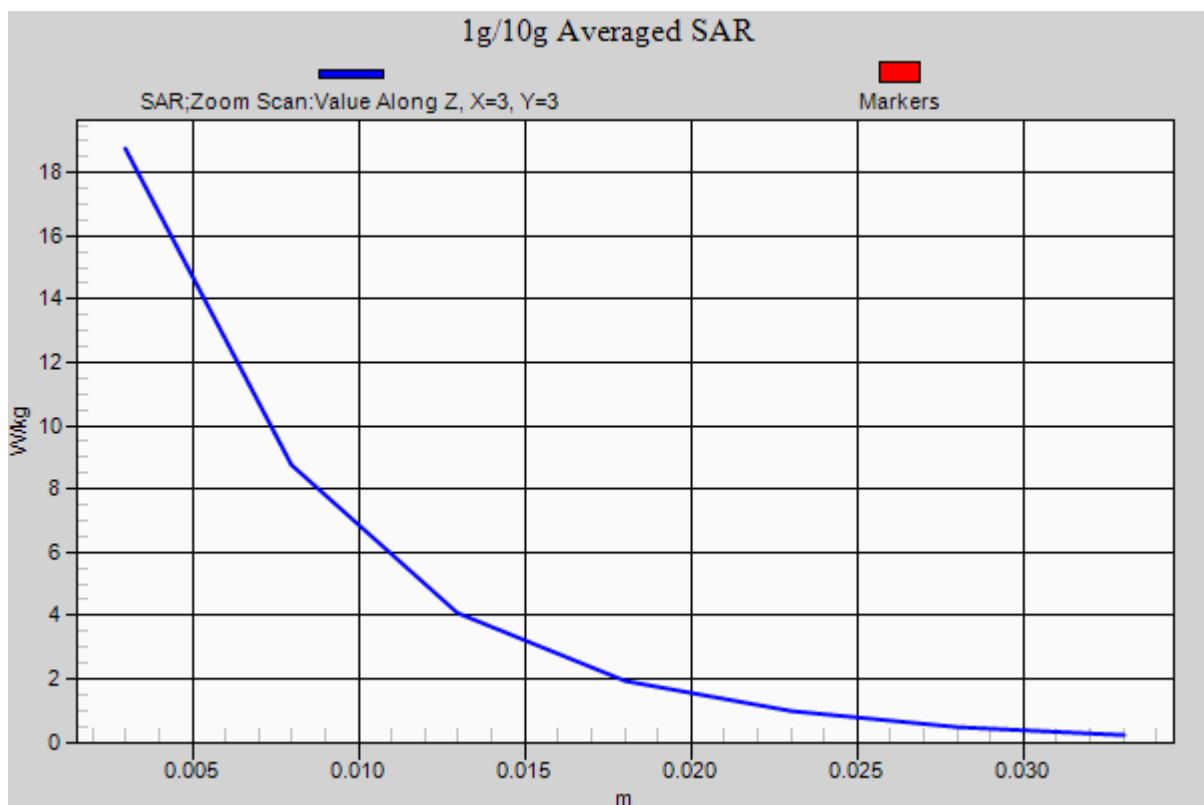
**Area Scan (51x71x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 29.6 W/kg

**SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.49 W/kg**



## DT&C Co., Ltd.

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

Communication System: CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.975$  S/m;  $\epsilon_r = 52.008$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.25, 4.25, 4.25); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/1  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5 Tissue Temp: 22.0

### **2450 MHz System Verification**

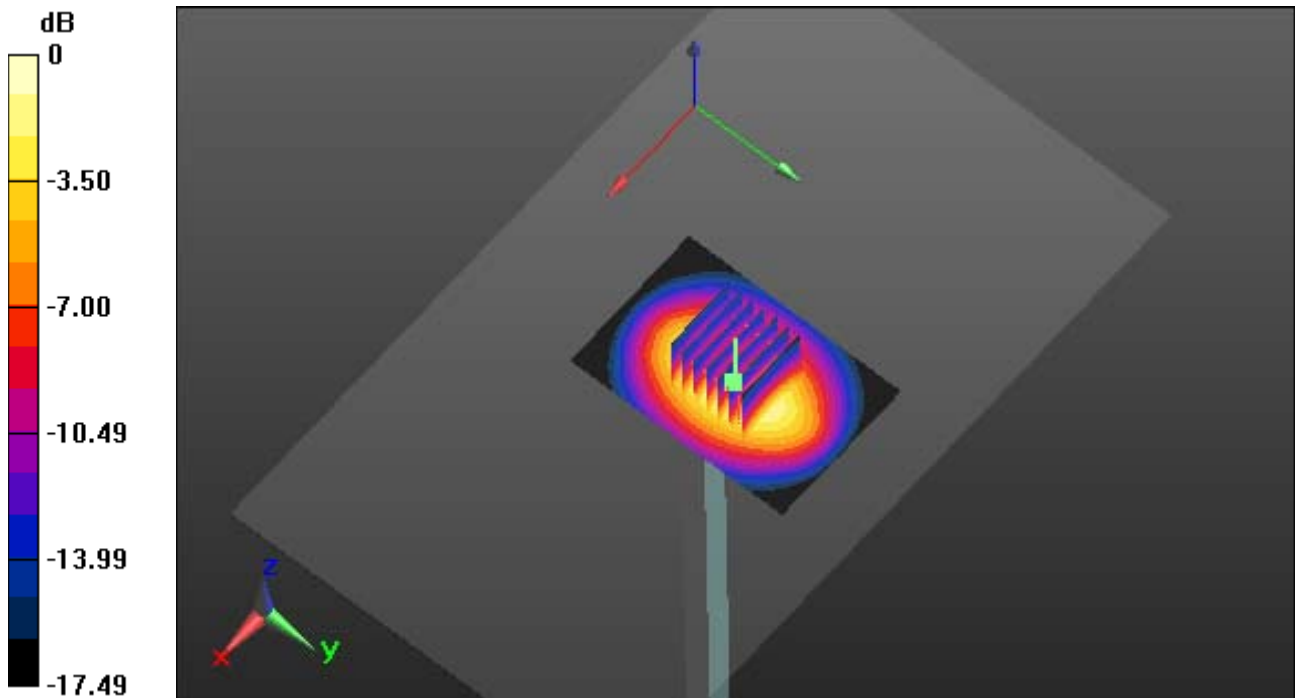
**Area Scan (61x91x1):** Interpolated grid: dx=10mm, dy=10mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.28 W/kg



0 dB = 18.9 W/kg

## DT&C Co., Ltd.

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

Communication System: CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.975$  S/m;  $\epsilon_r = 52.008$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.25, 4.25, 4.25); Calibrated: 8/22/2014; ; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/1  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5 Tissue Temp: 22.0

### **2450 MHz System Verification**

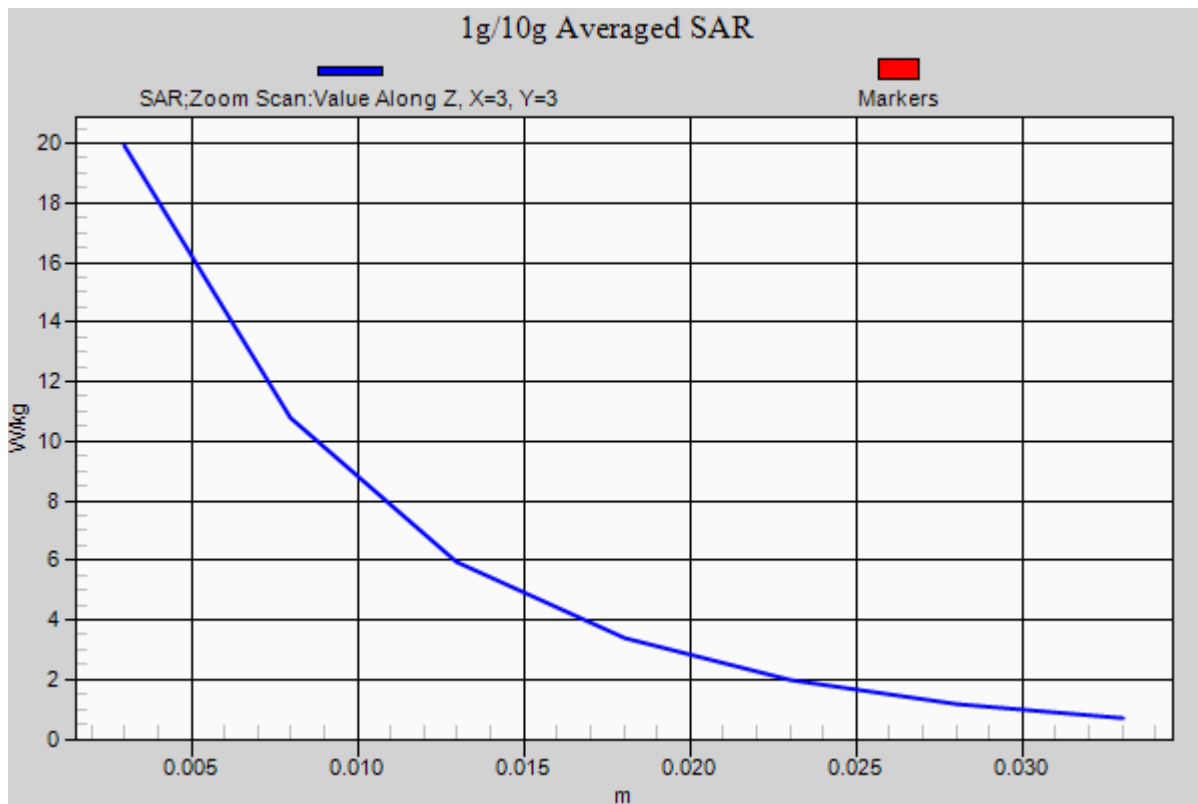
**Area Scan (61x91x1):** Interpolated grid: dx=10mm, dy=10mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 26.9 W/kg

**SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.28 W/kg**



## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 41.582$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Touch, GSM850 GPRS 4Tx Ch. 190, Ant Internal, Standard Battery**

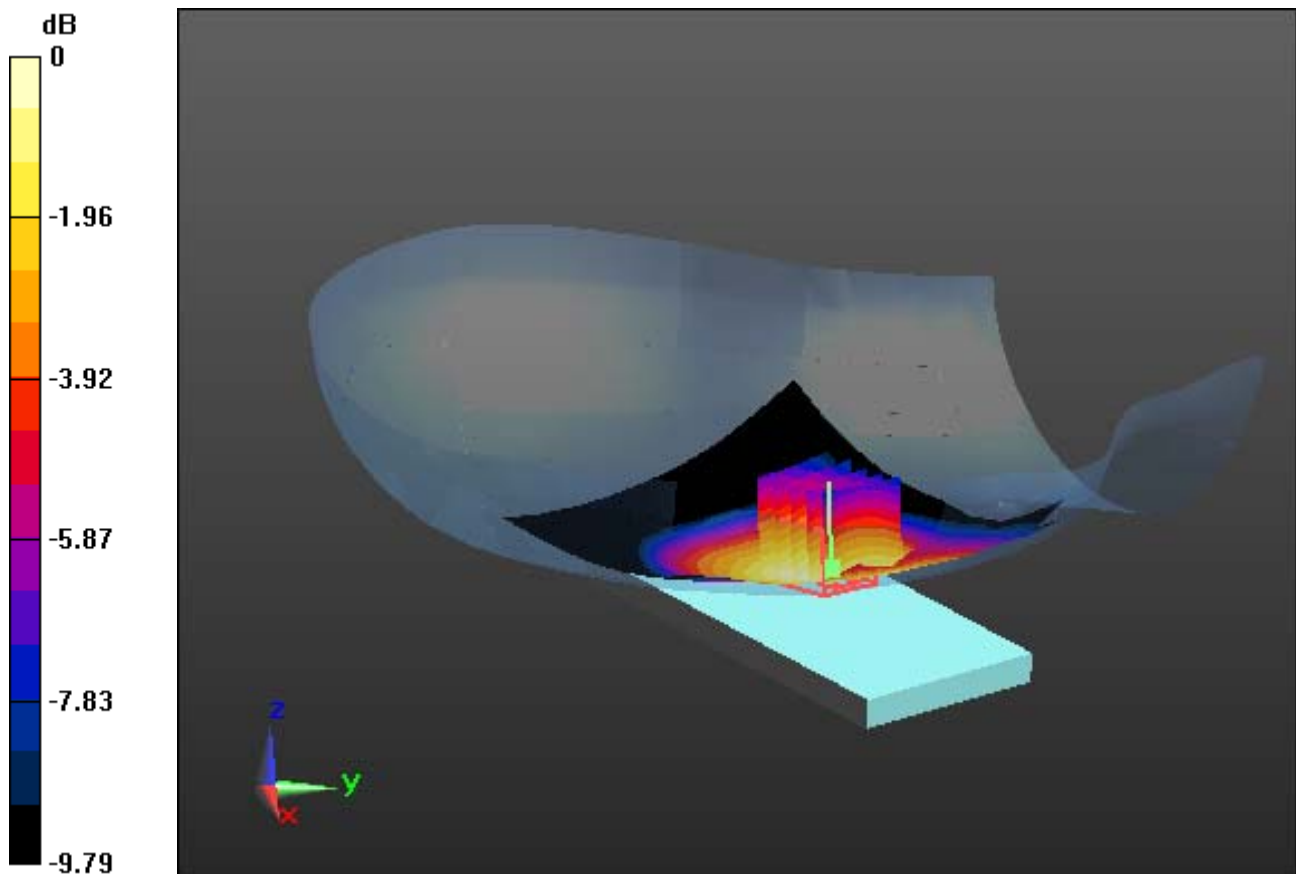
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.410 W/kg

**SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.248 W/kg**



0 dB = 0.359 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.91 \text{ S/m}$ ;  $\epsilon_r = 41.582$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Touch, GSM850 GPRS 4Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

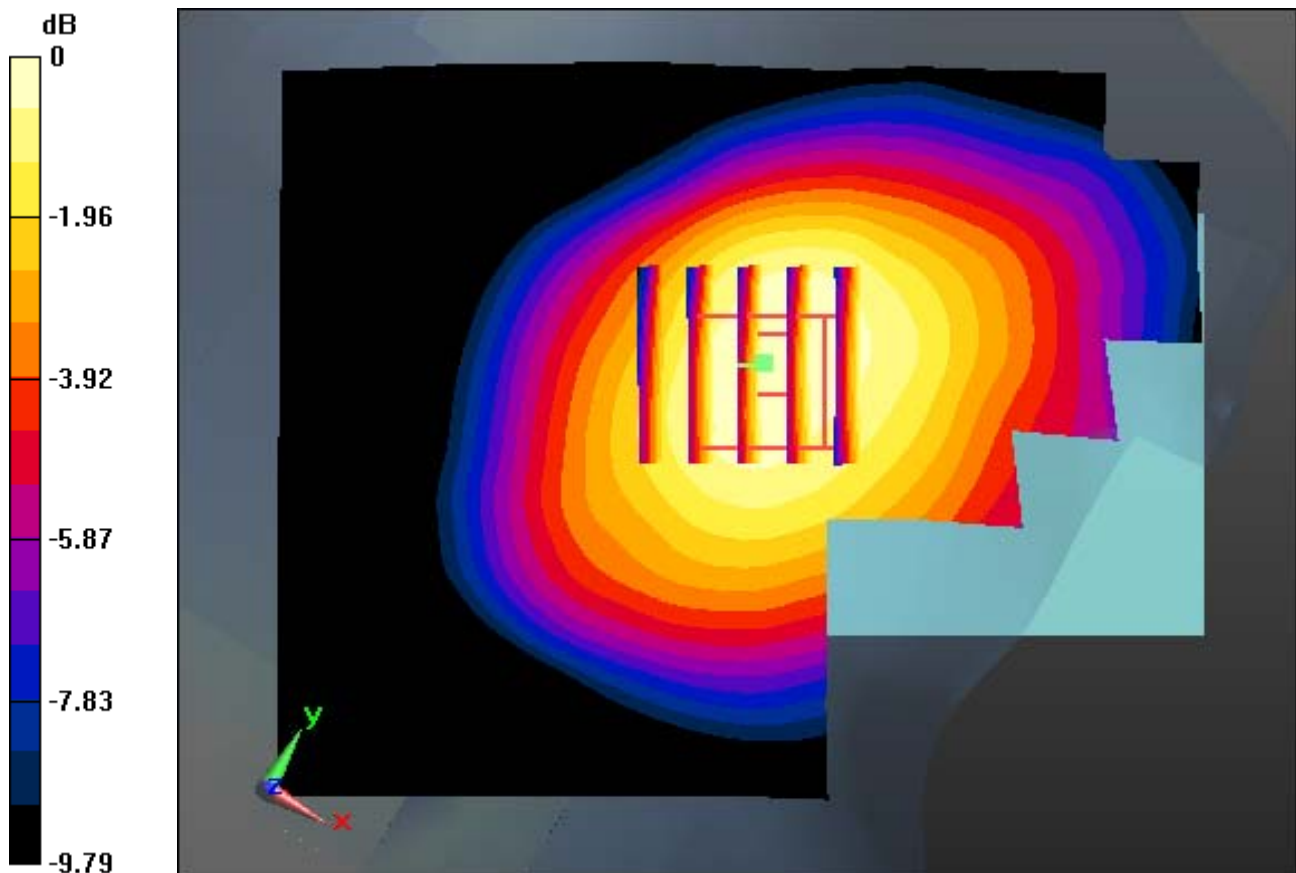
**Area Scan (81x111x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.410 W/kg

**SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.248 W/kg**



0 dB = 0.359 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 41.582$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Touch, GSM850 GPRS 4Tx Ch. 190, Ant Internal, Standard Battery**

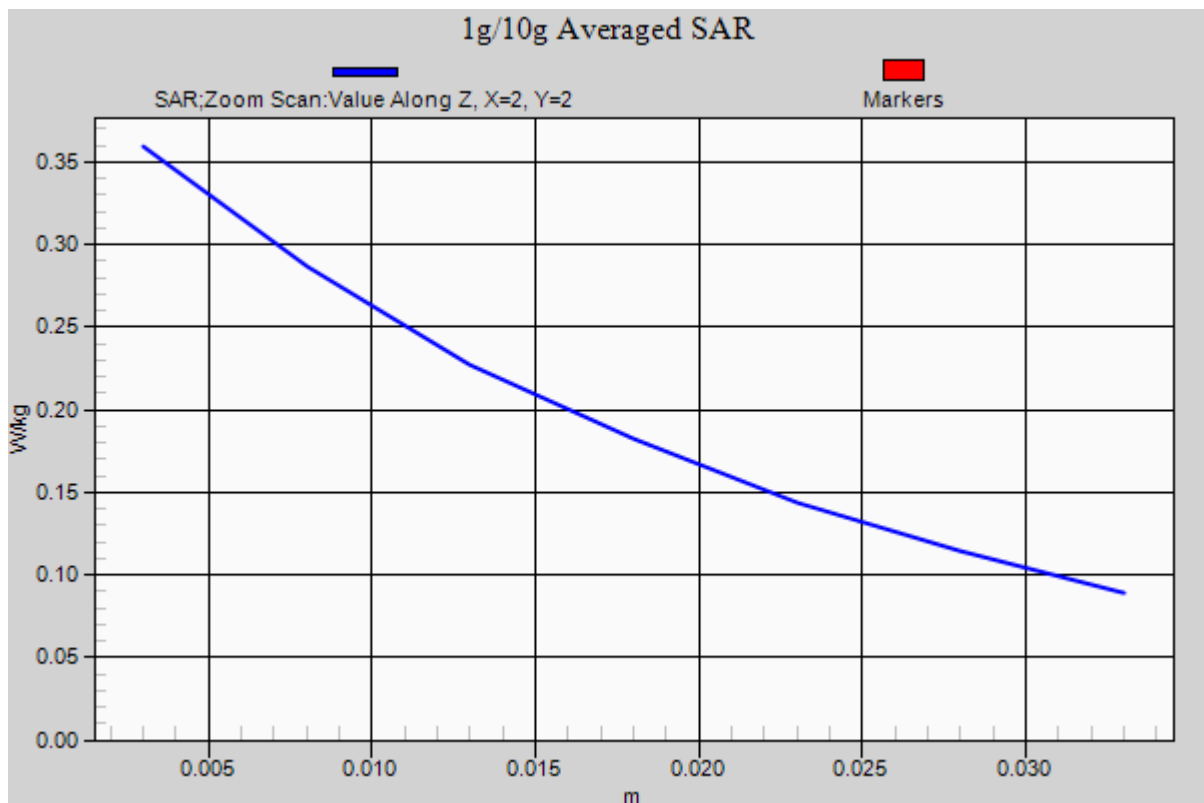
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.410 W/kg

**SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.248 W/kg**



## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  S/m;  $\epsilon_r = 40.252$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.04, 5.04, 5.04); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

**Left Touch, PCS1900 GPRS 4Tx Ch. 661, Ant Internal, Standard Battery**

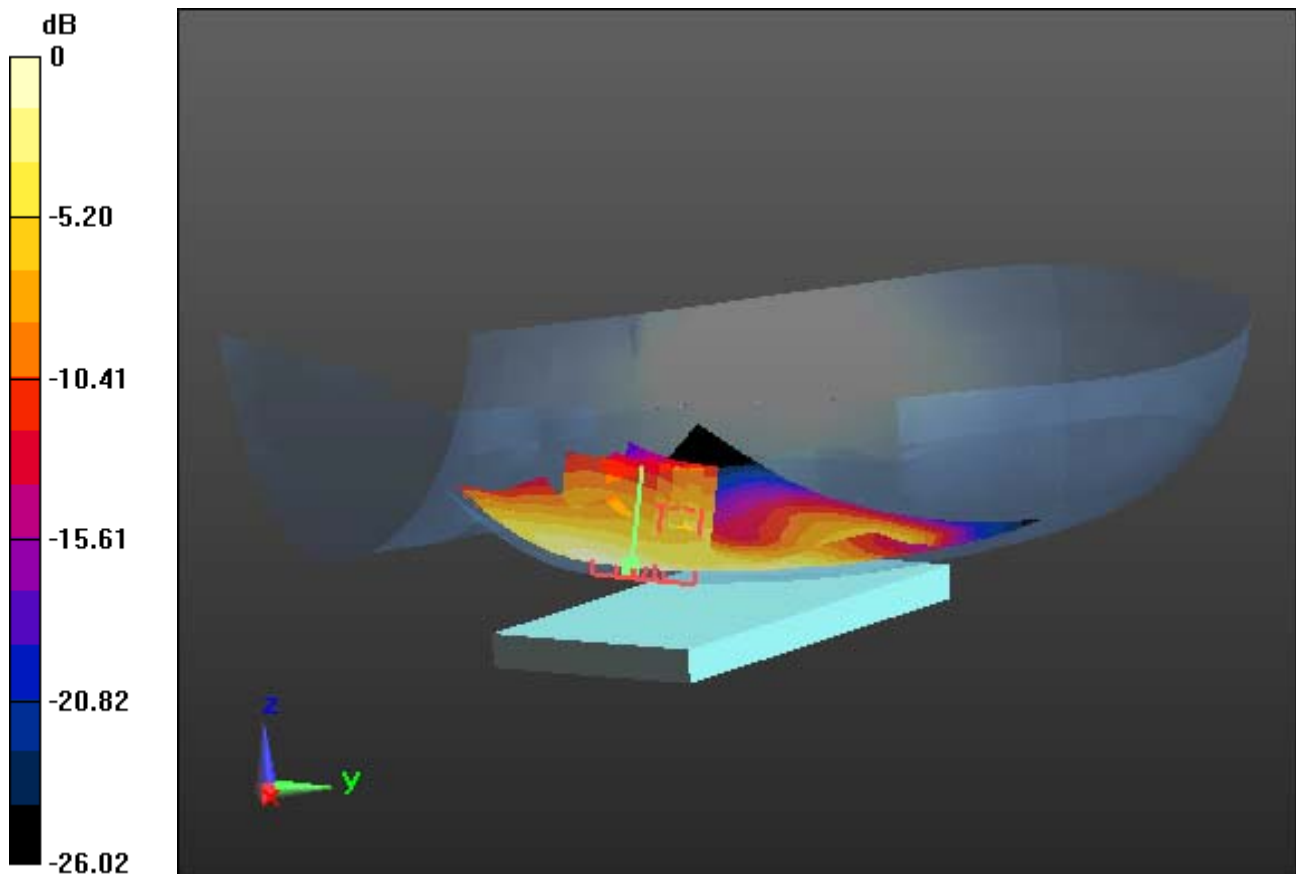
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.826 W/kg

**SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.354 W/kg**



0 dB = 0.651 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  S/m;  $\epsilon_r = 40.252$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.04, 5.04, 5.04); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

**Left Touch, PCS1900 GPRS 4Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

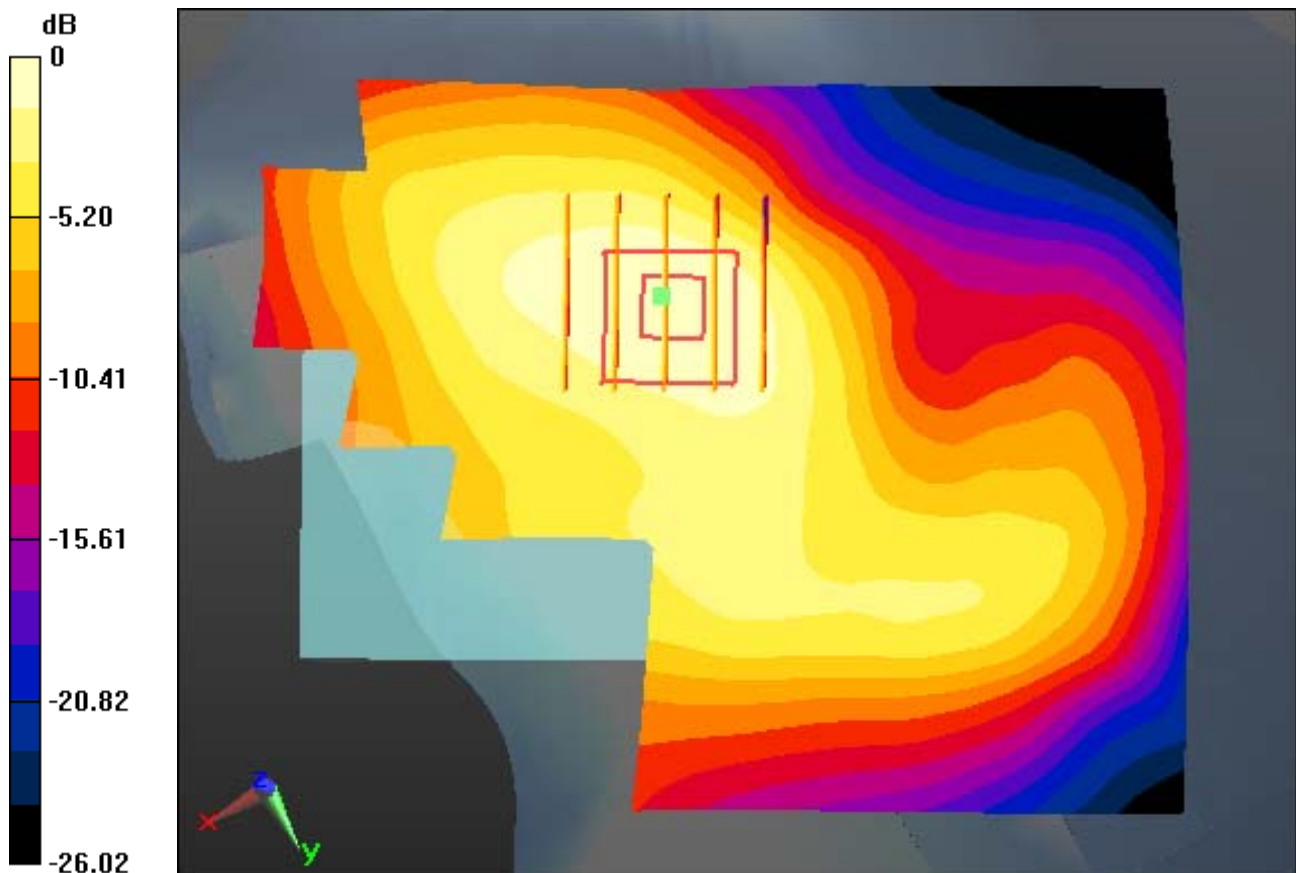
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.826 W/kg

**SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.354 W/kg**



0 dB = 0.651 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  S/m;  $\epsilon_r = 40.252$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.04, 5.04, 5.04); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

**Left Touch, PCS1900 GPRS 4Tx Ch. 661, Ant Internal, Standard Battery**

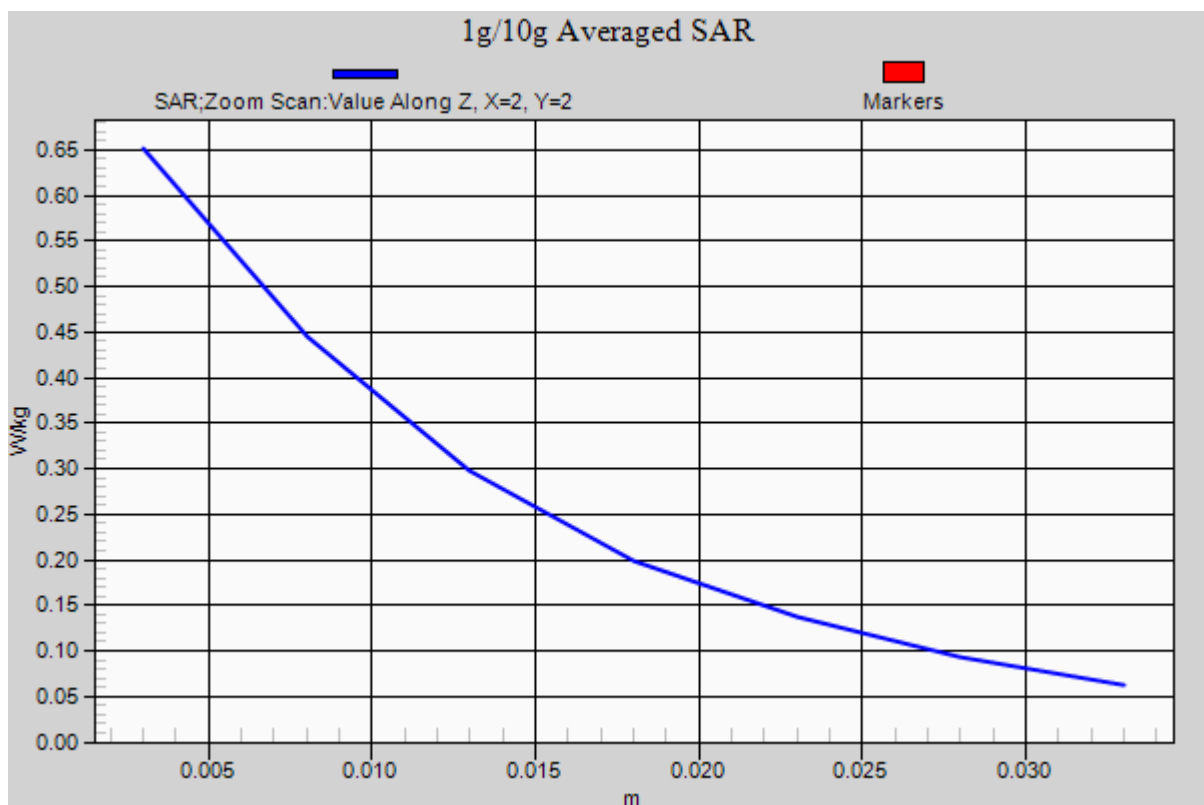
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.826 W/kg

**SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.354 W/kg**



## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  S/m;  $\epsilon_r = 41.655$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2; Tissue Temp: 21.7

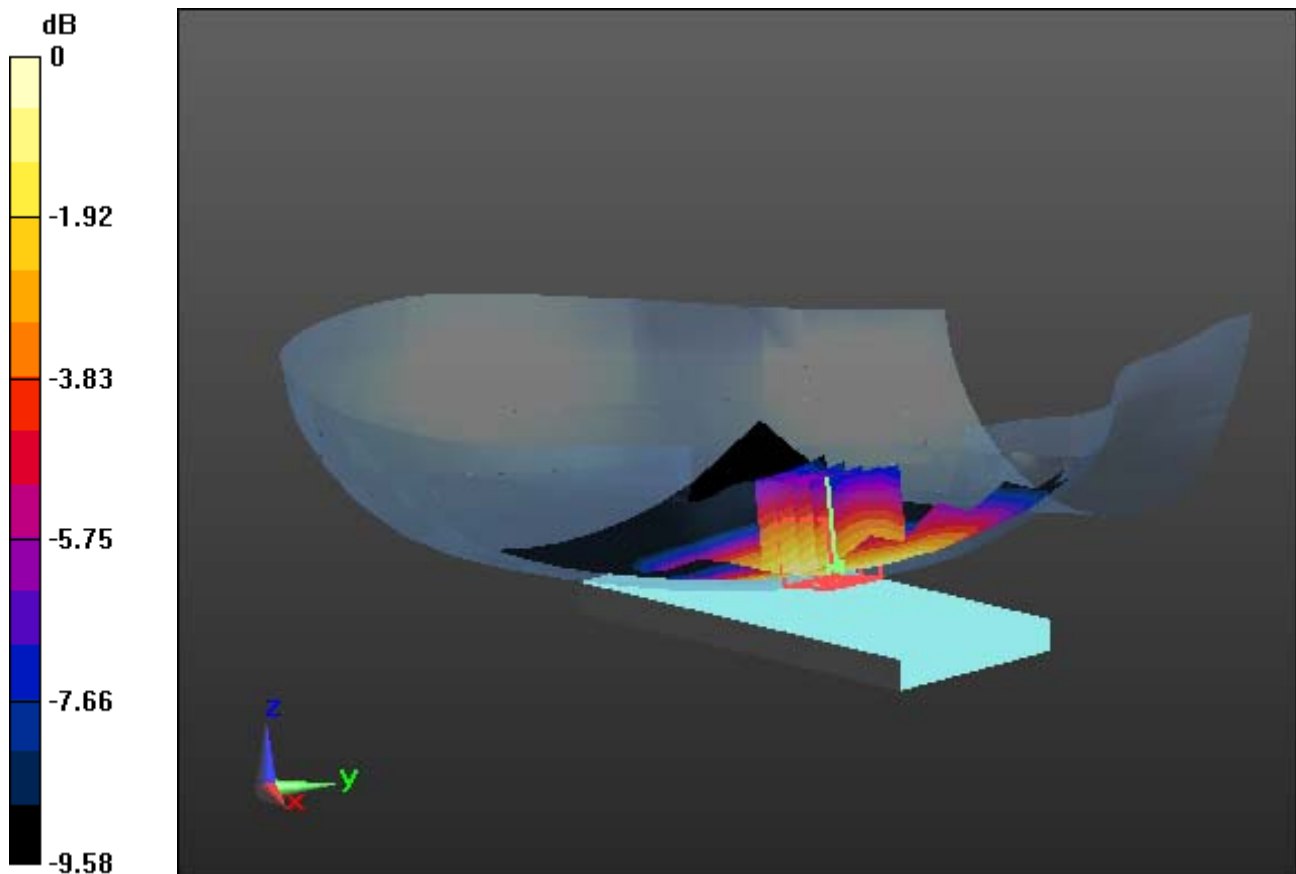
**Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery**

**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.417 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.250 W/kg**



0 dB = 0.365 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  S/m;  $\epsilon_r = 41.655$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

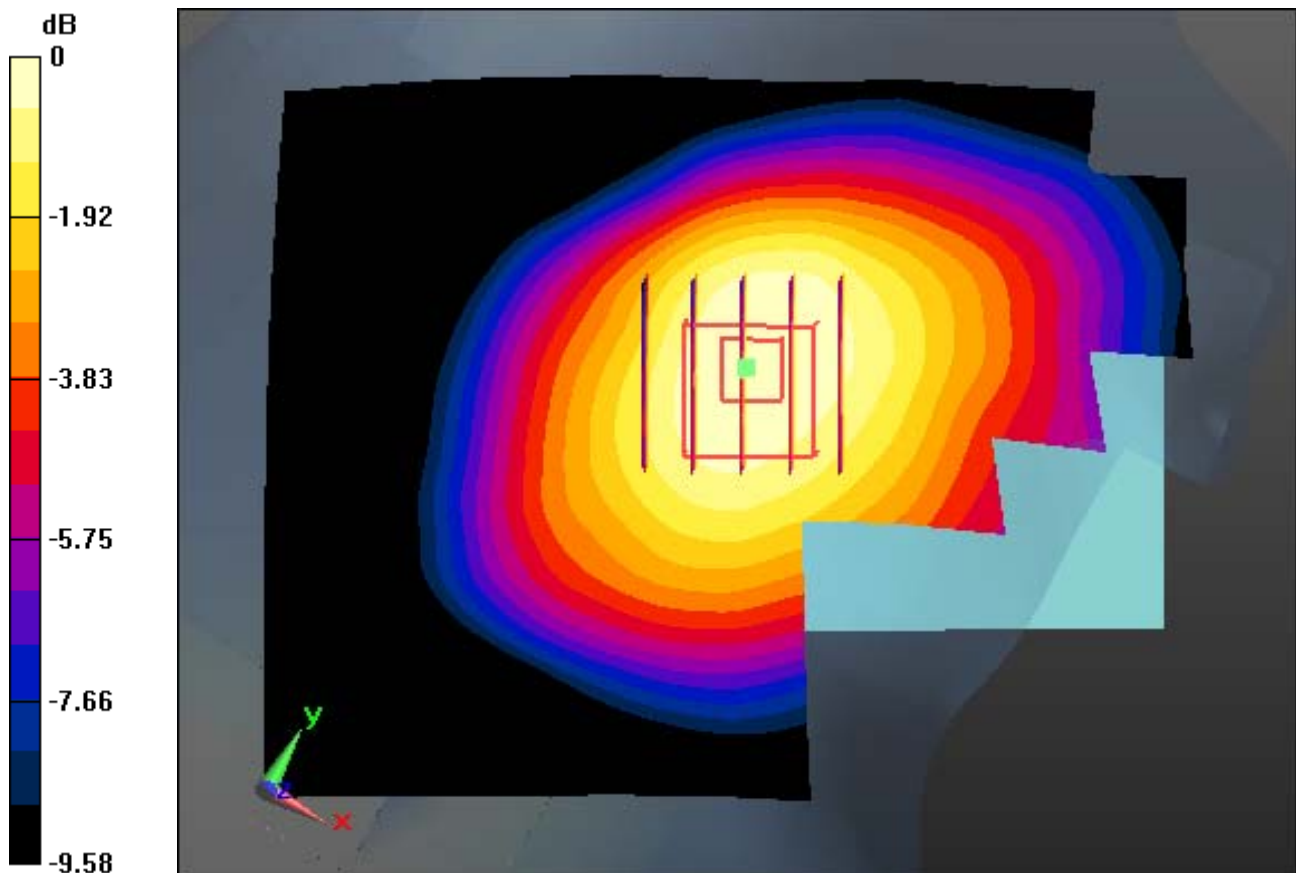
Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2; Tissue Temp: 21.7

**Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery**

**With Enlarge plot image**

**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.417 W/kg  
**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.250 W/kg**



0 dB = 0.365 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  S/m;  $\epsilon_r = 41.655$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.33, 6.33, 6.33); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2; Tissue Temp: 21.7

**Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery**

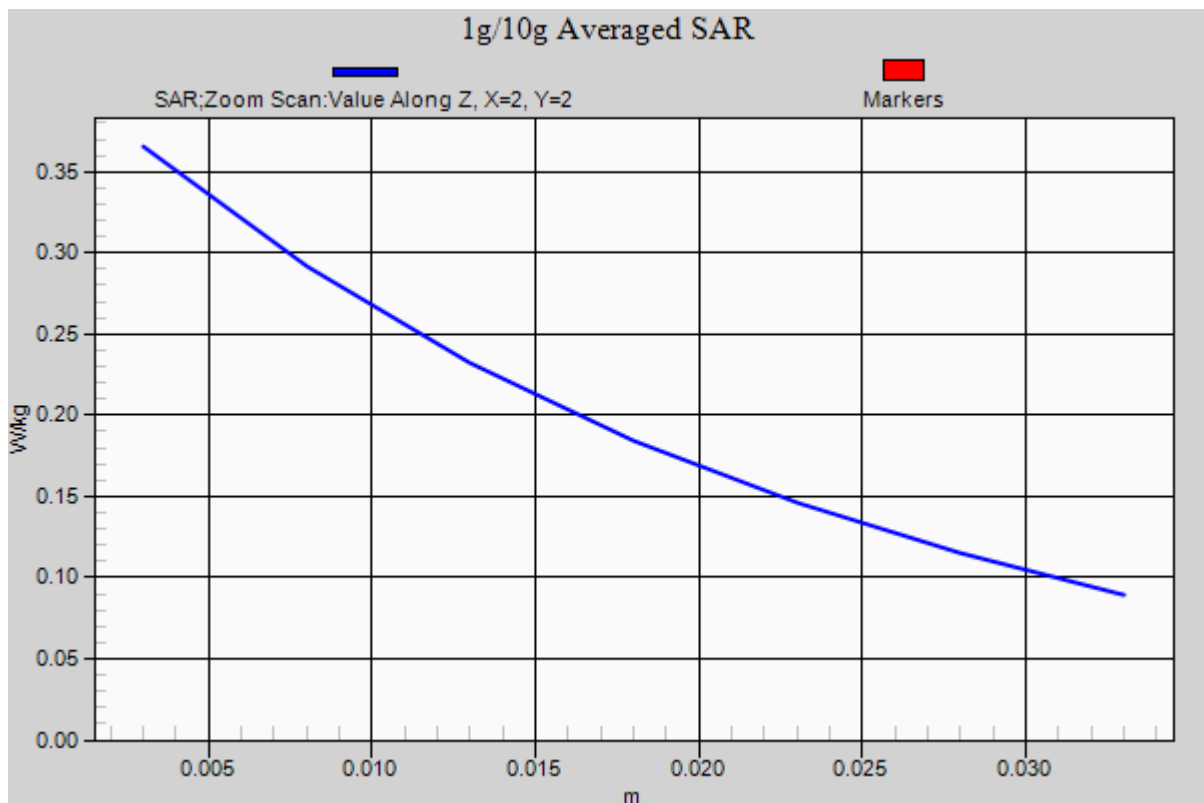
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.417 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.250 W/kg**



## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.823 \text{ S/m}$ ;  $\epsilon_r = 39.456$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.47, 4.47, 4.47); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

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

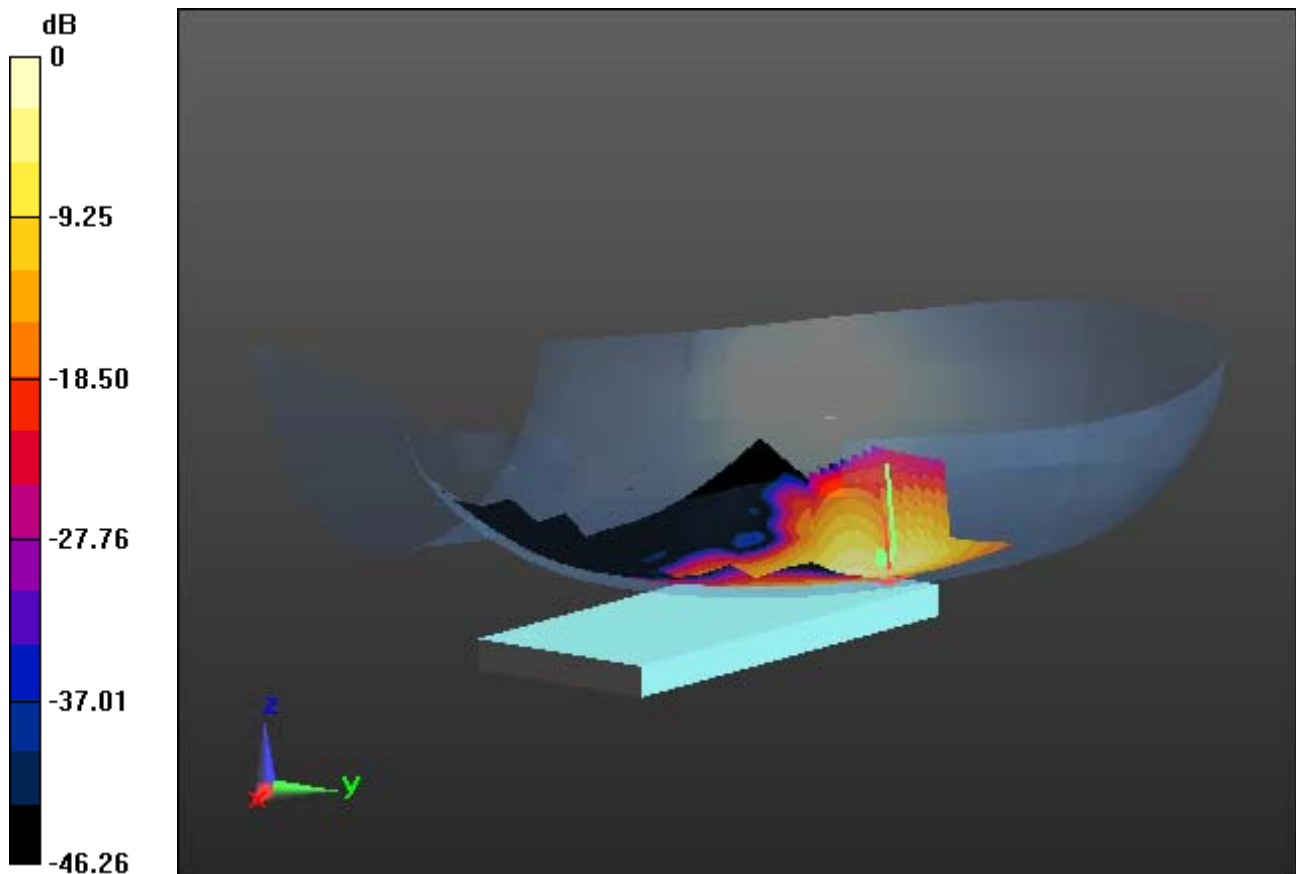
**Area Scan (91x141x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.698 W/kg

**SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.145 W/kg**



0 dB = 0.425 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 39.456$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

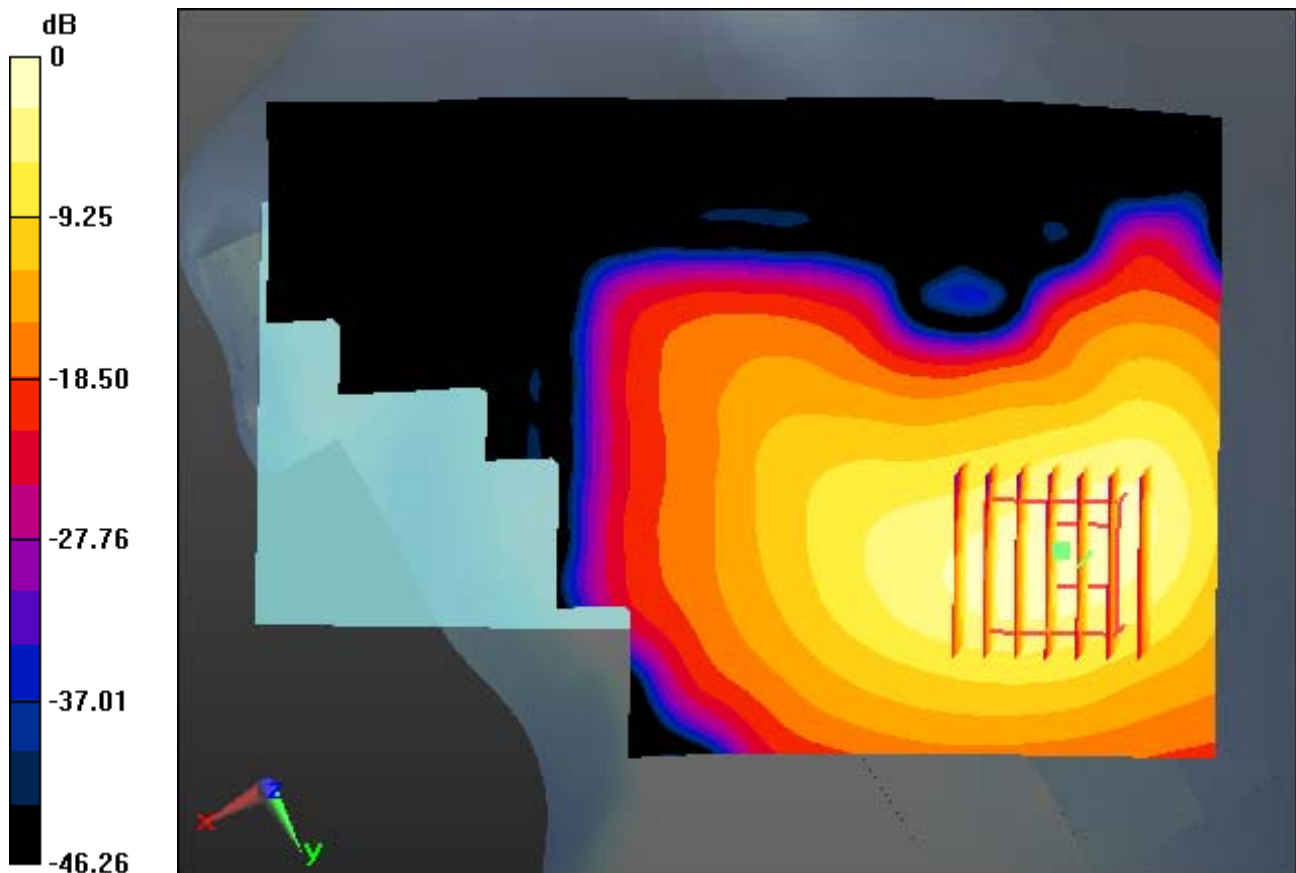
Probe: ES3DV3 - SN3327; ConvF(4.47, 4.47, 4.47); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

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

**With Enlarge plot image**

**Area Scan (91x141x1):** Interpolated grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.698 W/kg  
**SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.145 W/kg**



0 dB = 0.425 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 39.456$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.47, 4.47, 4.47); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

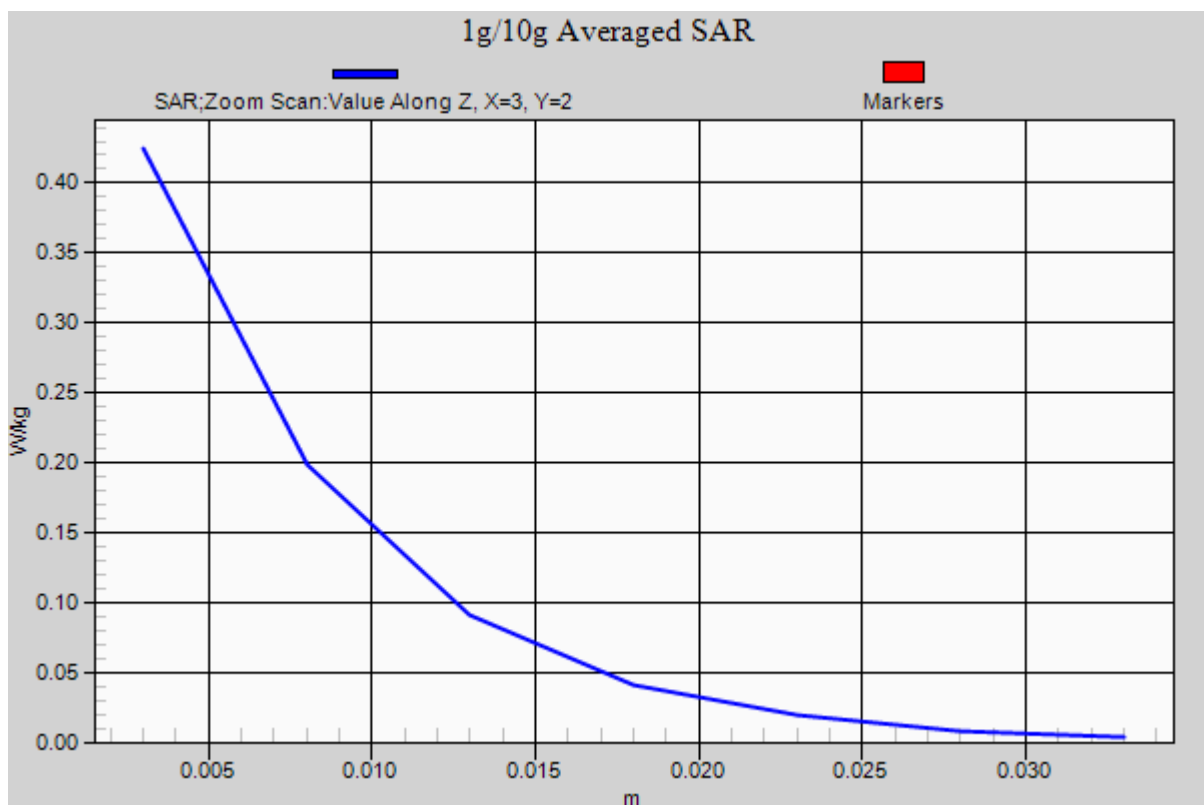
**Left Touch, W-LAN(802.11b) Ch.1, Ant Internal, Standard Battery**

**Area Scan (91x141x1):** Interpolated grid: dx=12mm, dy=12mm

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.698 W/kg

**SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.145 W/kg**



## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1.005 \text{ S/m}$ ;  $\epsilon_r = 53.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

### **1cm space from Body, Rear, GSM850 Ch. 190, Ant Internal**

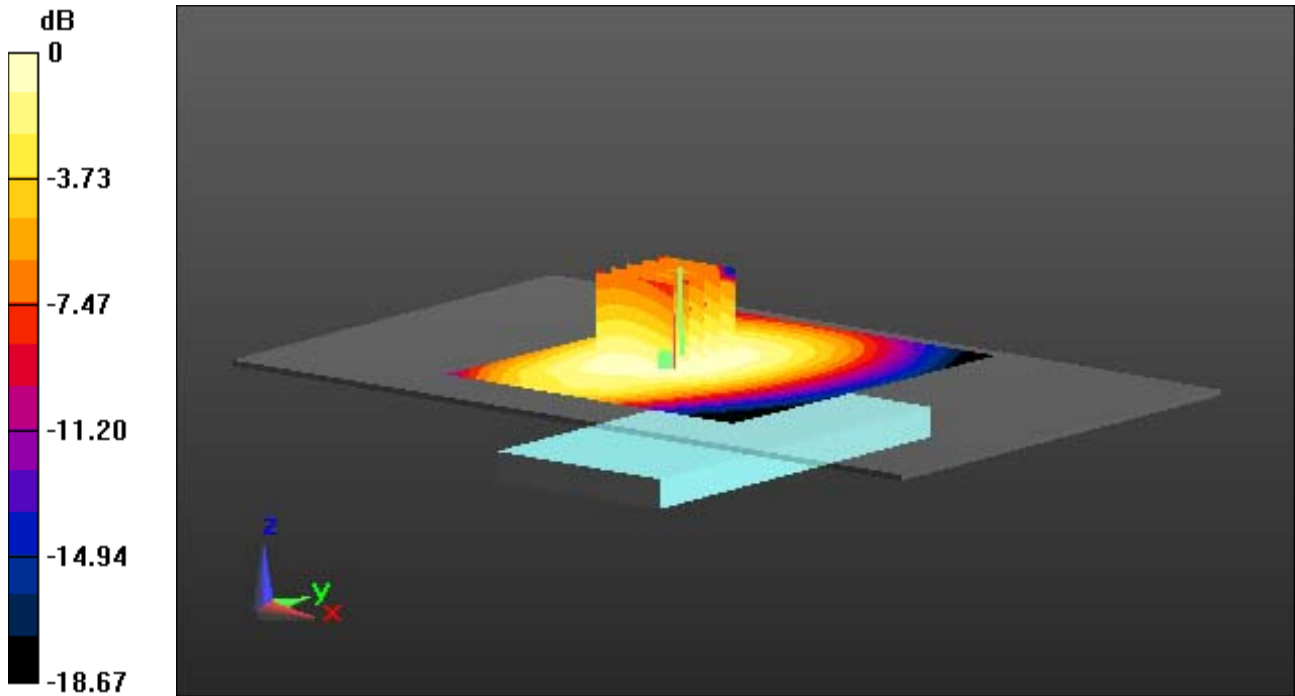
**Area Scan (81x111x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.372 W/kg



0 dB = 0.533 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4 Tissue Temp: 21.9

**1cm space from Body, Rear, GSM850 Ch. 190, Ant Internal**

**With Enlarge plot image**

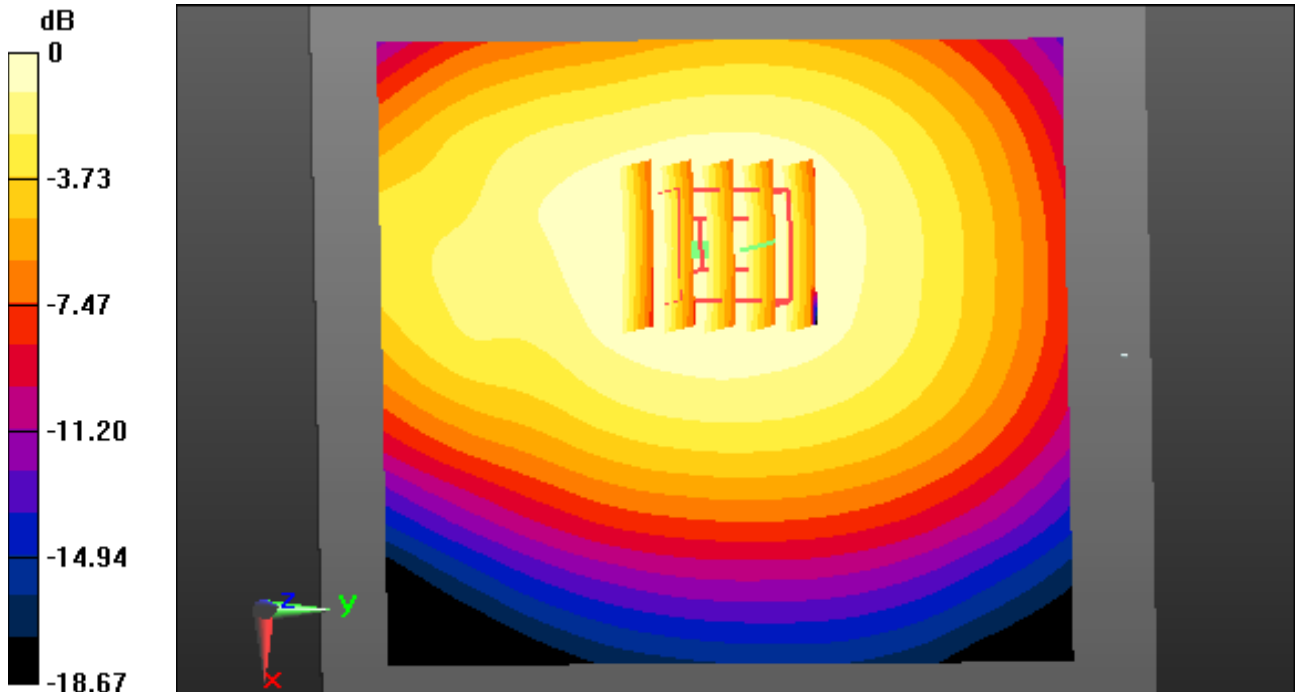
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.372 W/kg**



0 dB = 0.533 W/kg

## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

### **1cm space from Body, Rear, GSM850 Ch. 190, Ant Internal**

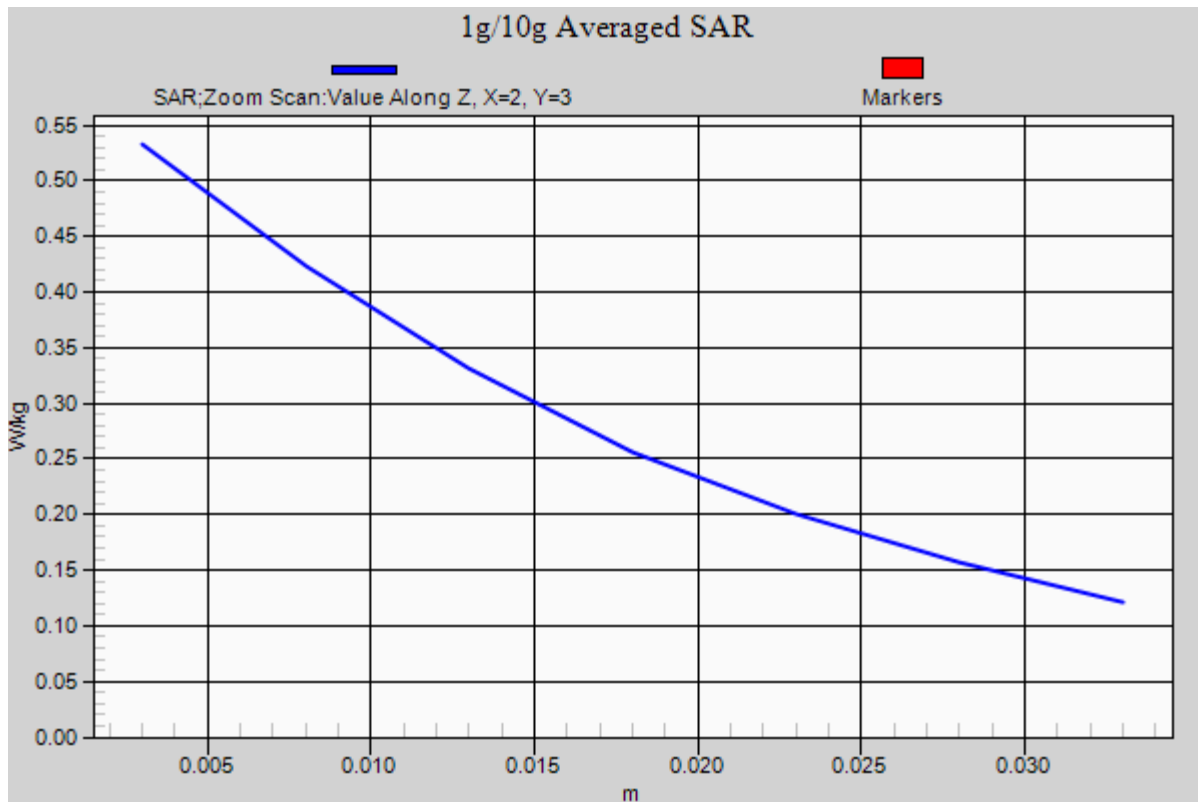
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.372 W/kg**



## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: GSM 850\_4Tx (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

### **1cm space from Body, Rear, GSM850 GPRS 4Tx Ch. 190, Ant Internal**

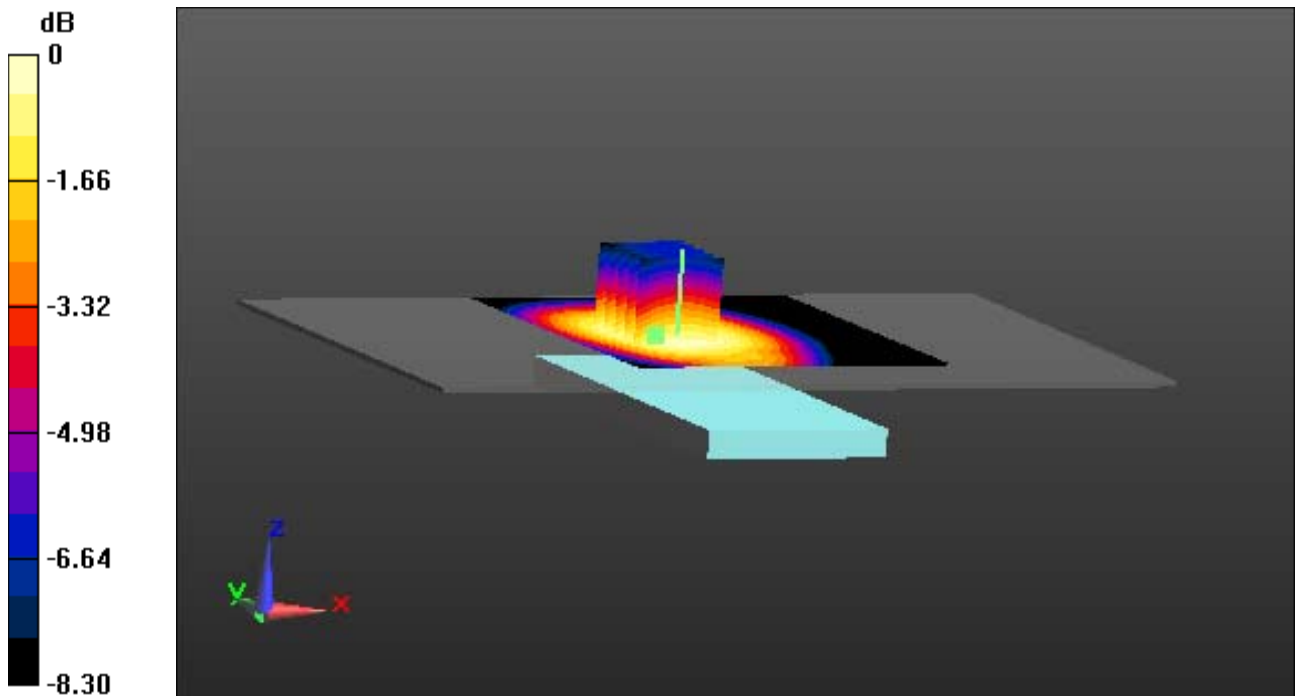
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.441 W/kg



0 dB = 0.619 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: GSM 850\_4Tx (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4 Tissue Temp: 21.9

**1cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

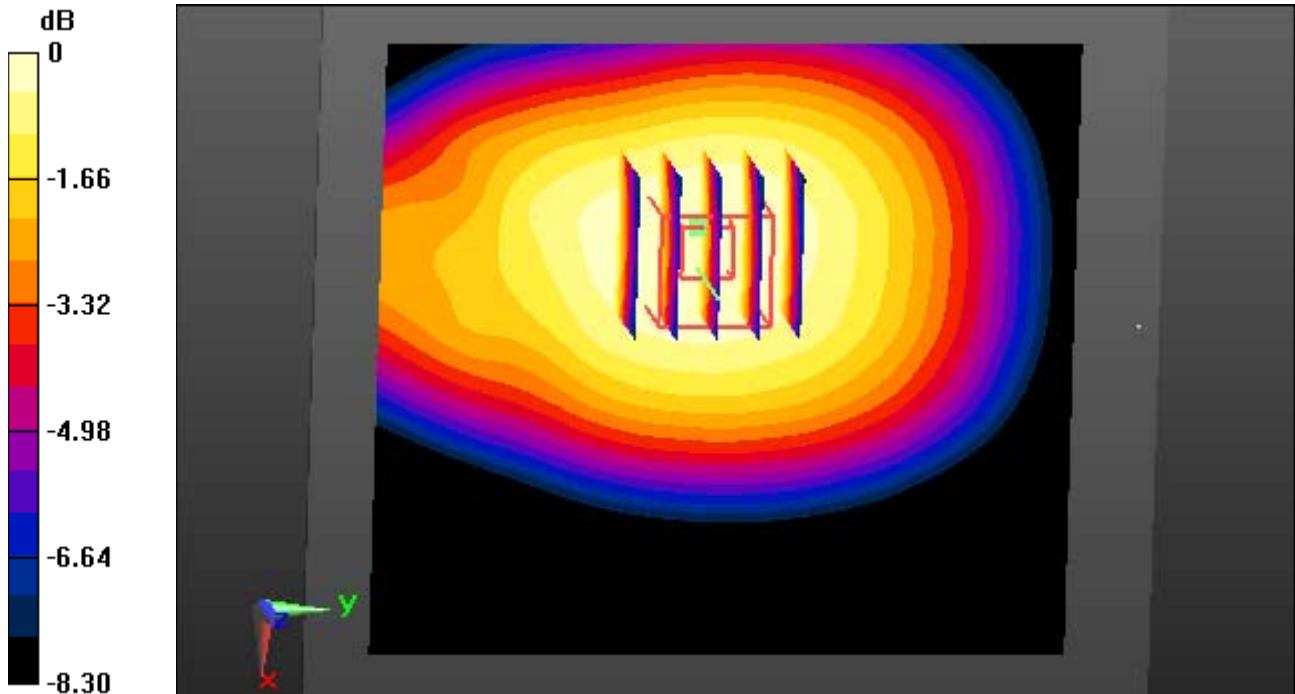
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.697 W/kg

**SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.441 W/kg**



0 dB = 0.619 W/kg

## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: GSM 850\_4Tx (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-08; Ambient Temp: 21.4; Tissue Temp: 21.9

### **1cm space from Body, Rear, GSM850 GPRS 4Tx Ch. 190, Ant Internal**

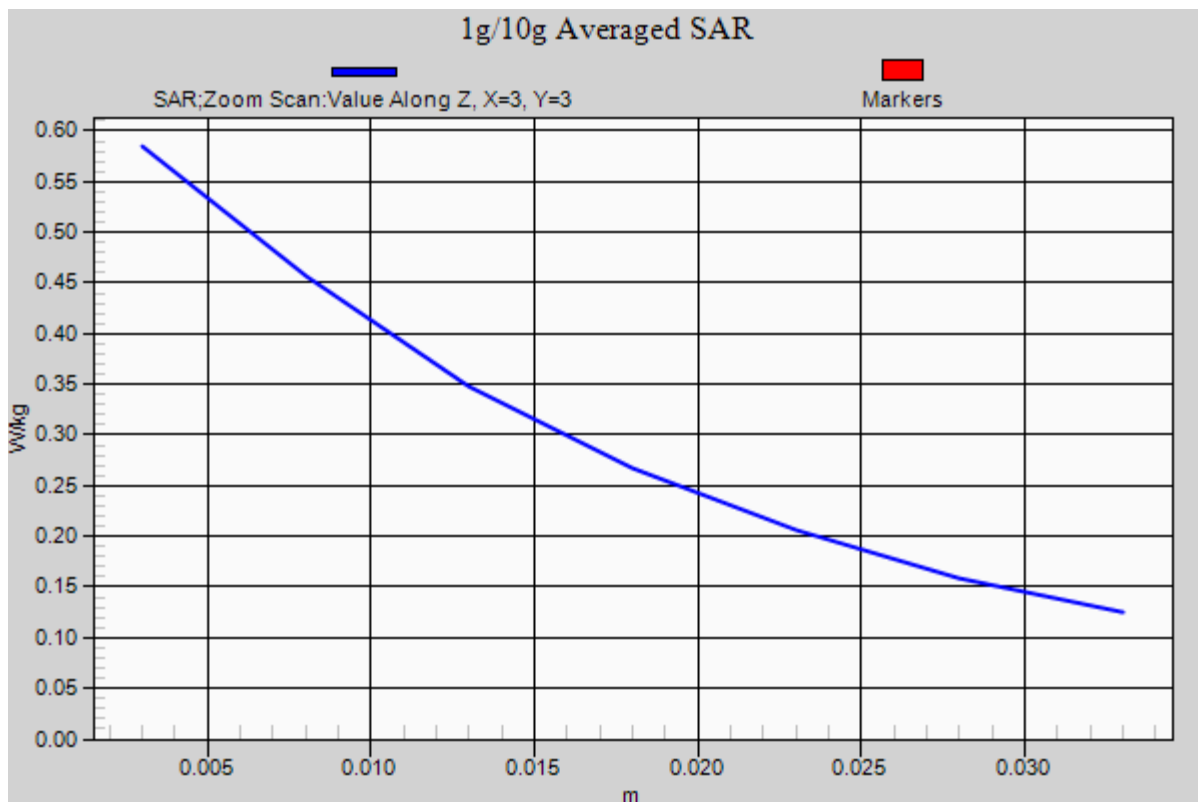
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.697 W/kg

**SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.441 W/kg**



## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

### **1cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal**

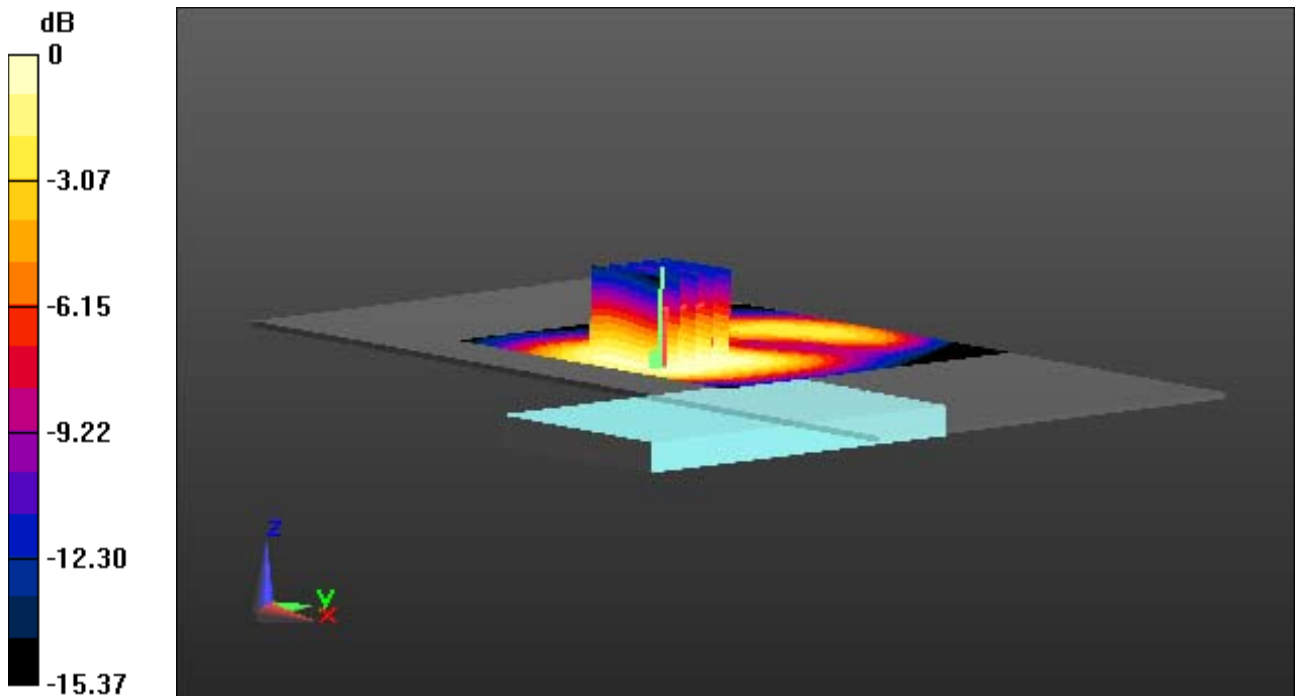
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.236 W/kg



0 dB = 0.419 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

**1cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal**

**With Enlarge plot image**

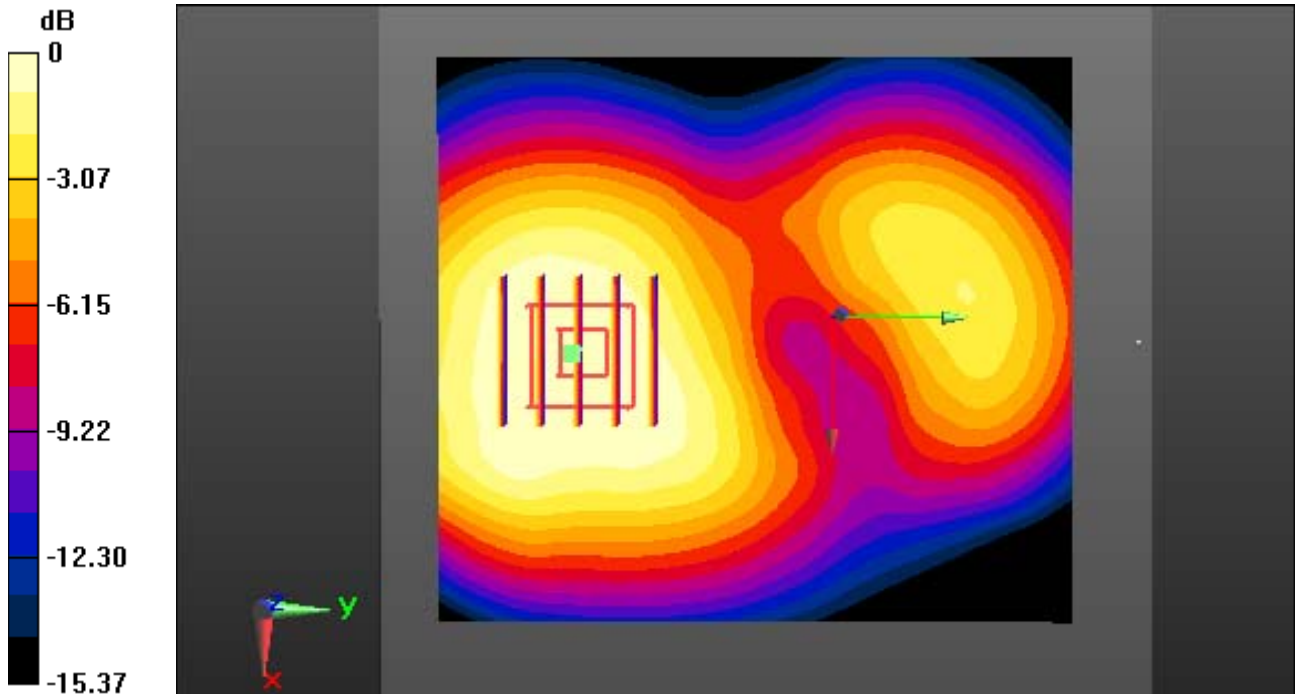
**Area Scan (81x111x1):** Interpolated grid:  $dx=15$  mm,  $dy=15$  mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.236 W/kg**



0 dB = 0.419 W/kg

## DT&C Co., Ltd.

### DUT: LG-H525N; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

#### DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

### 1cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

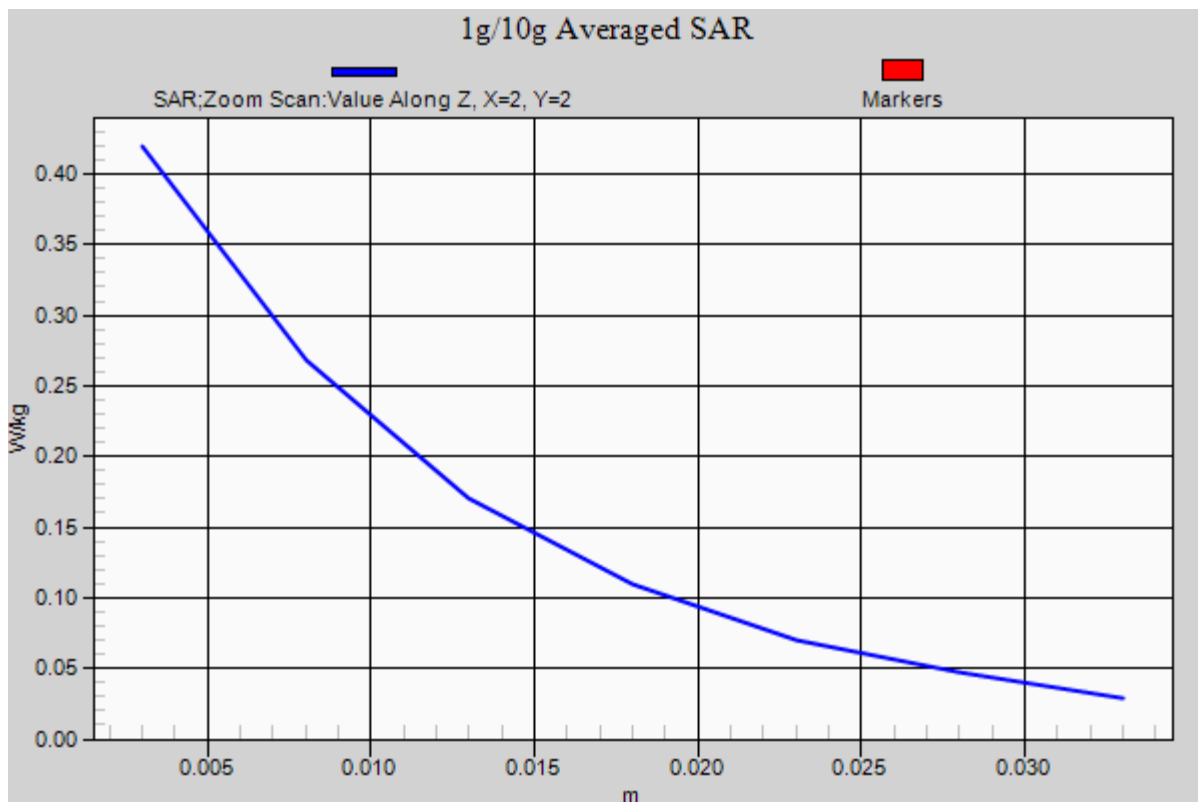
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.236 W/kg



## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_4Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

### **1cm space from Body, Front, PCS1900 GPRS 4Tx Ch. 661, Ant Internal**

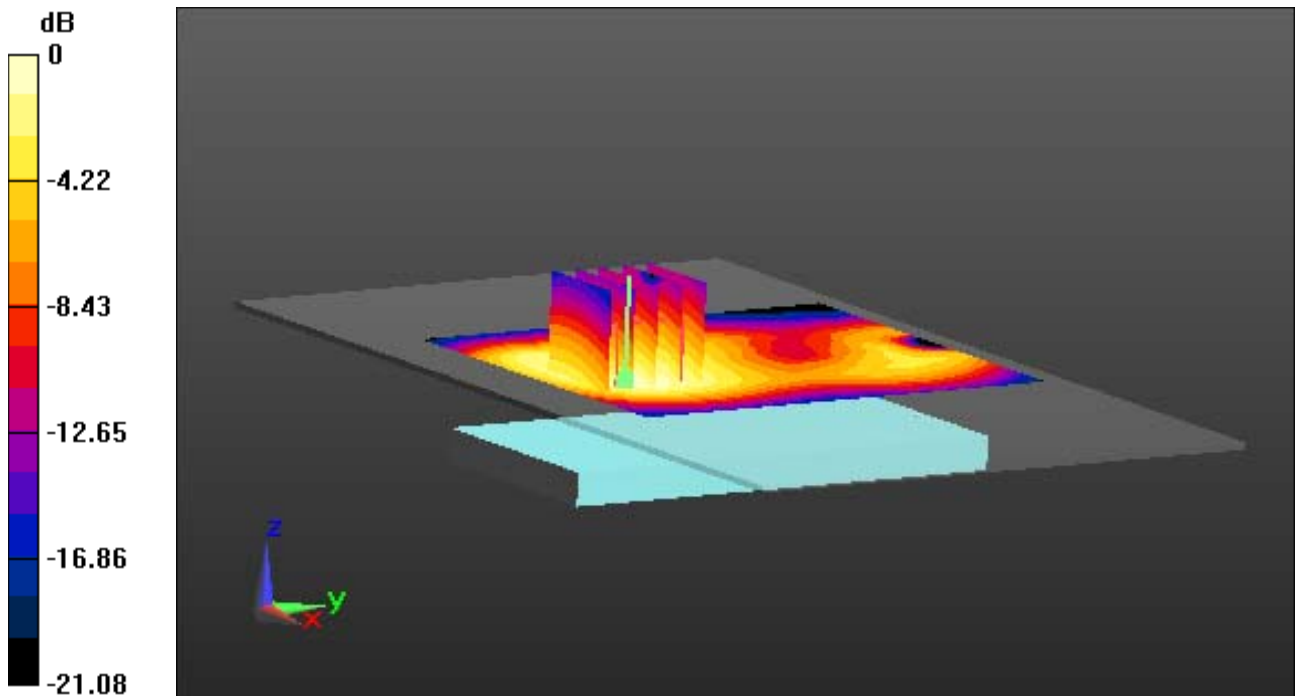
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.429 W/kg



0 dB = 0.828 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_4Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

**1cm space from Body, Front, PCS1900 4 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

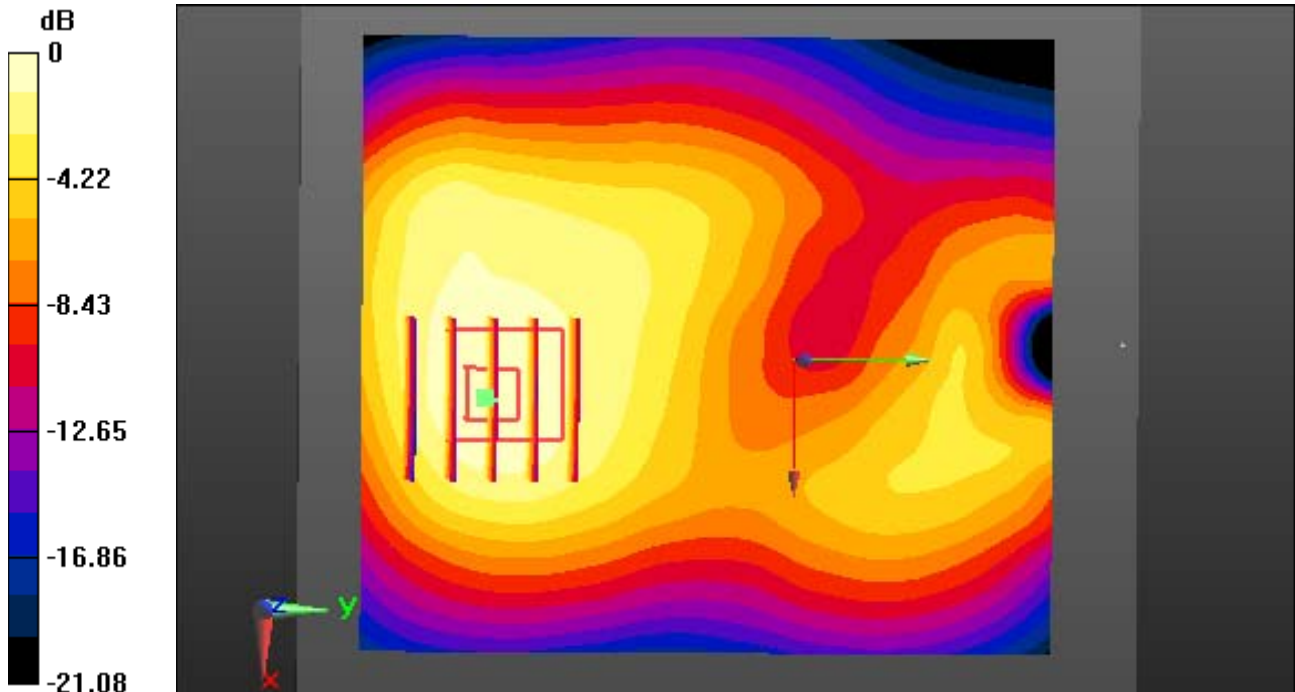
**Area Scan (81x111x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.429 W/kg**



0 dB = 0.828 W/kg

## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_4Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1; Tissue Temp: 21.6

### **1cm space from Body, Front, PCS1900 GPRS 4Tx Ch. 661, Ant Internal**

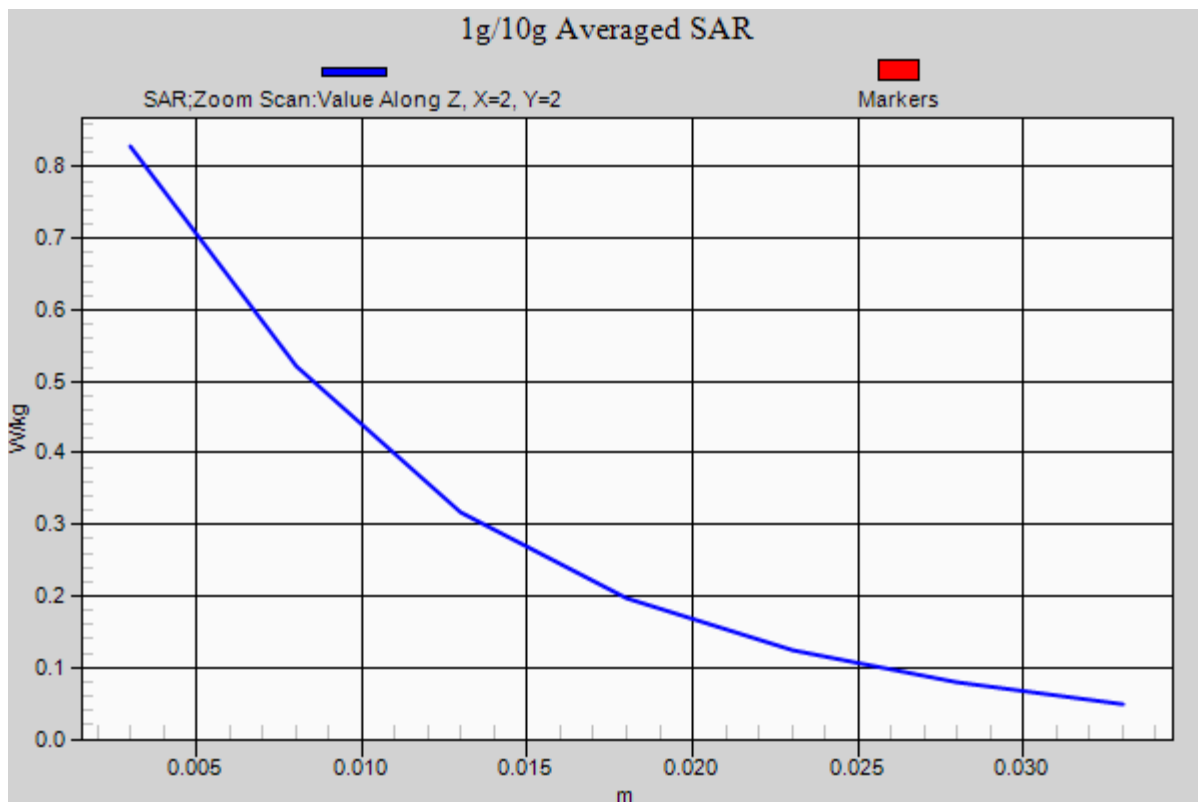
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.429 W/kg**



## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_4Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

**1cm space from Body, Rear, PCS1900 4 Tx Ch. 661, Ant Internal**

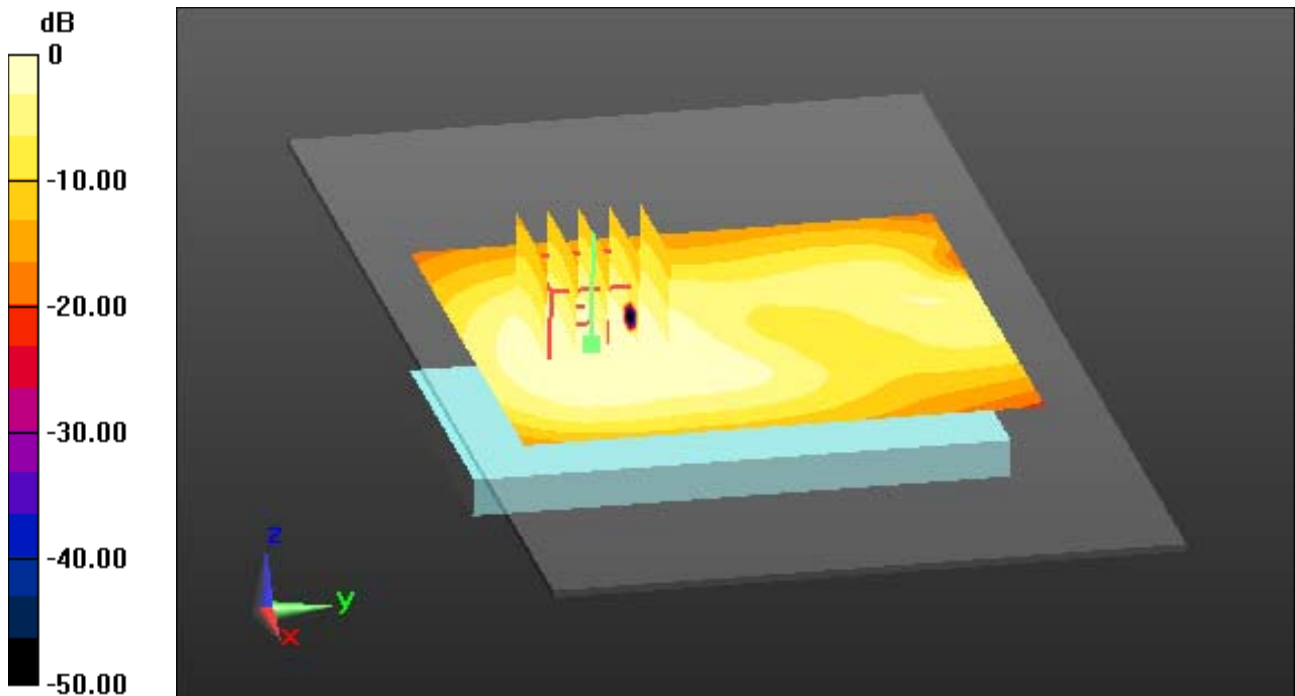
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.872 W/kg

SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.354 W/kg



0 dB = 0.674 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_4Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

**1cm space from Body, Rear, PCS1900 . 4 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

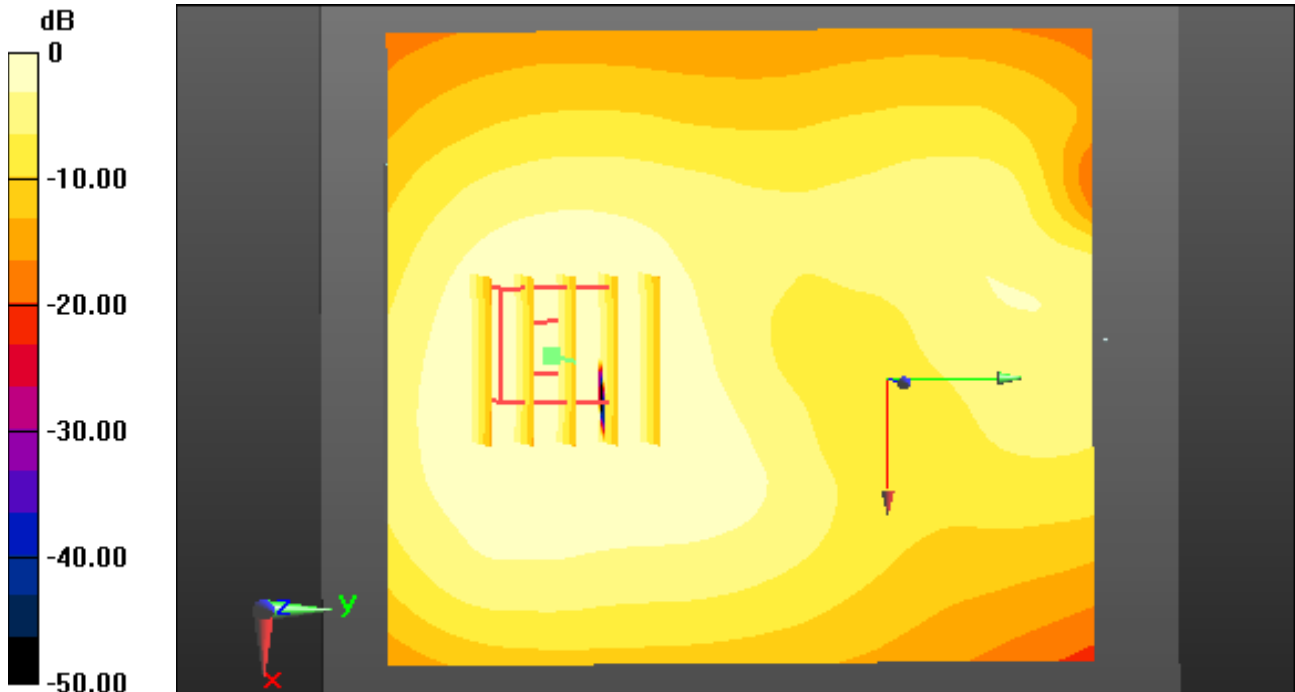
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.872 W/kg

**SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.354 W/kg**



0 dB = 0.674 W/kg

## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: PCS1900\_4Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394

Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

### **1cm space from Body, Rear, PCS1900 4 Tx Ch. 661, Ant Internal**

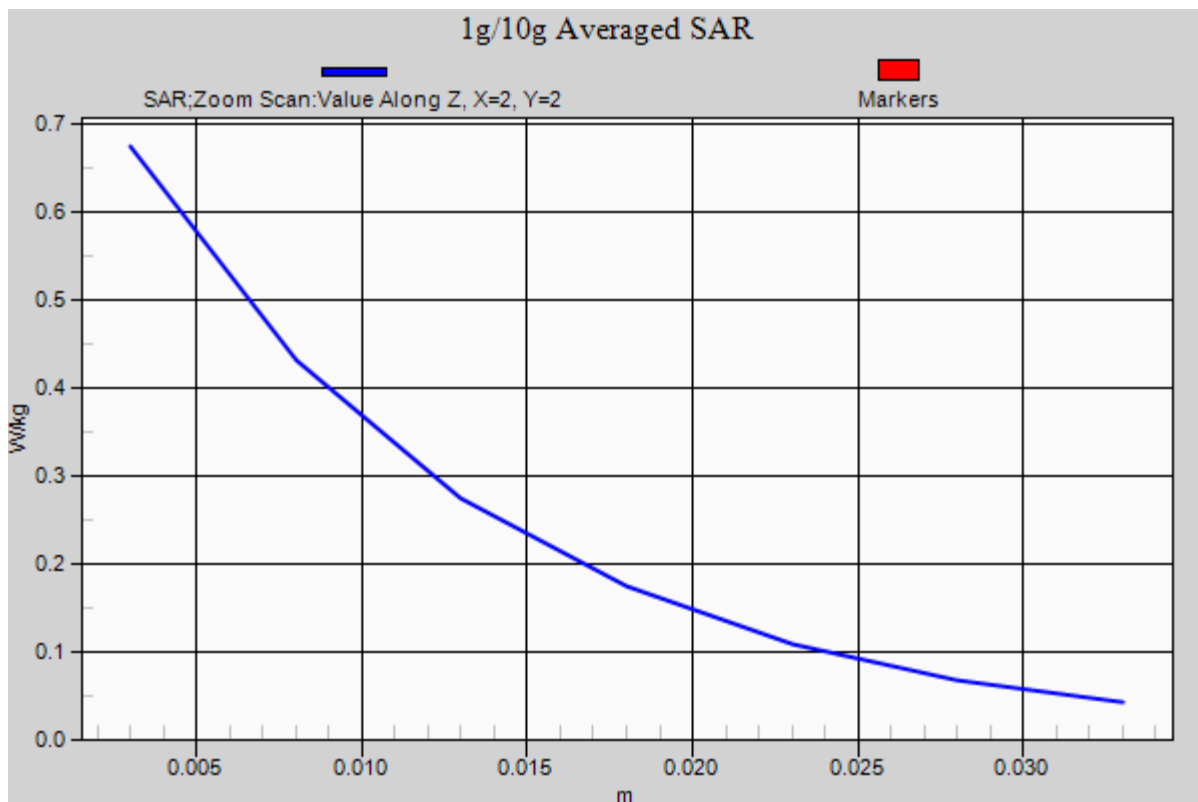
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.872 W/kg

**SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.354 W/kg**



## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 53.262$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2; Tissue Temp: 21.7

### **1cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal**

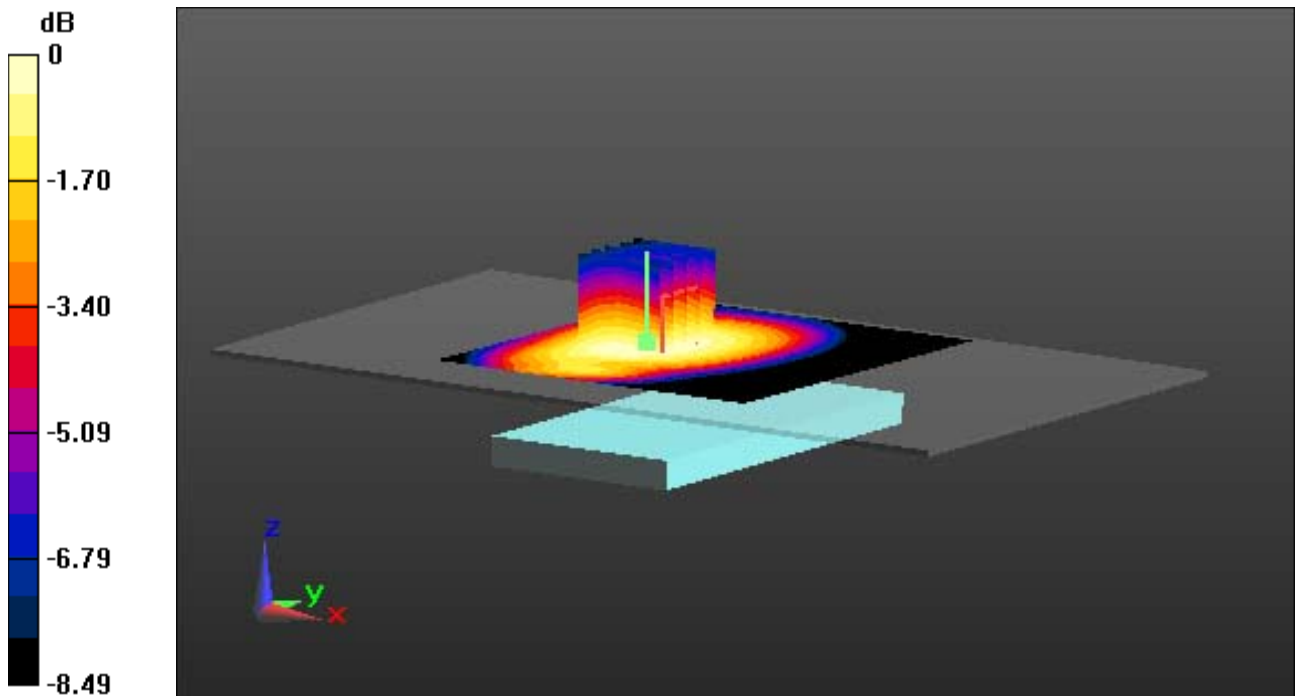
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.439 W/kg



0 dB = 0.622 W/kg

## DT&C Co., Ltd.

**DUT: LG-H520G; Type: Bar**

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 53.262$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/3  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-09; Ambient Temp: 21.1 Tissue Temp: 21.6

**1cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal**

**With Enlarge plot image**

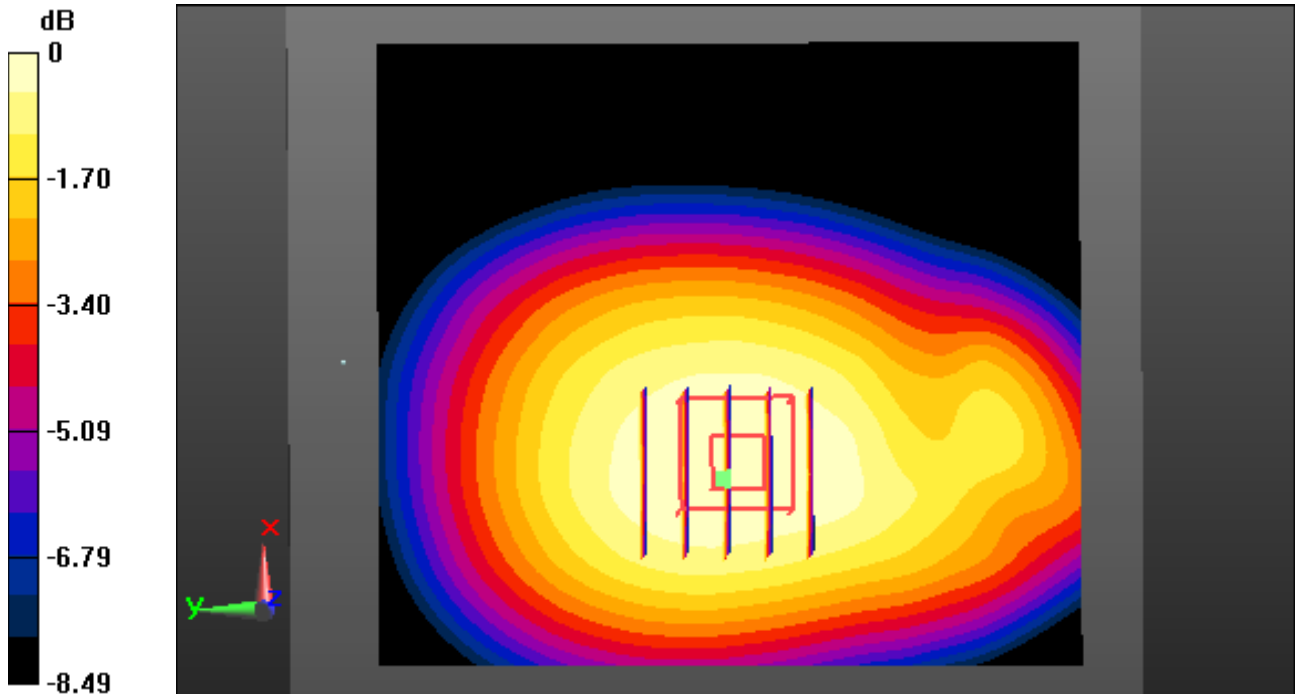
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.701 W/kg

**SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.439 W/kg**



0 dB = 0.622 W/kg

## DT&C Co., Ltd.

### DUT: LG-H525N; Type: Bar

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 53.262$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

#### DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(6.13, 6.13, 6.13); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/2  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-07; Ambient Temp: 21.2; Tissue Temp: 21.7

### 1cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal

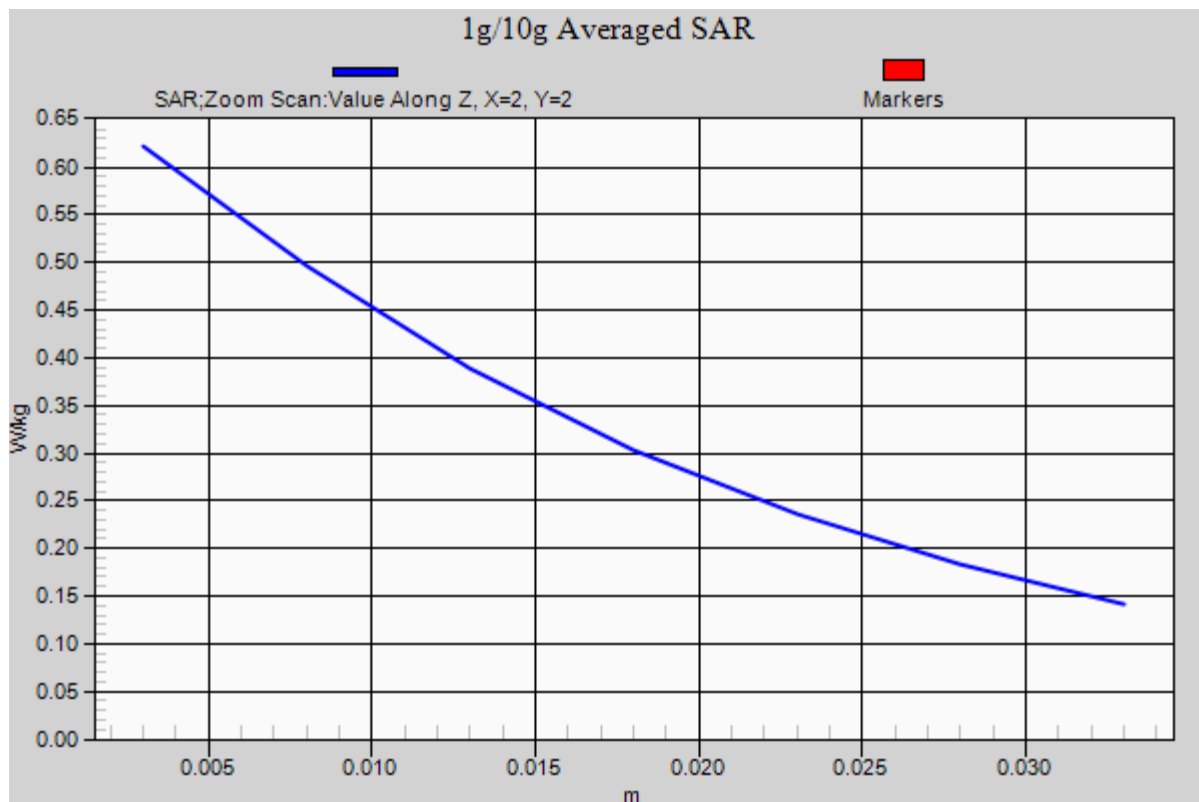
**Area Scan (81x111x1):** Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.439 W/kg



## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.929$  S/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.25, 4.25, 4.25); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/1  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

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

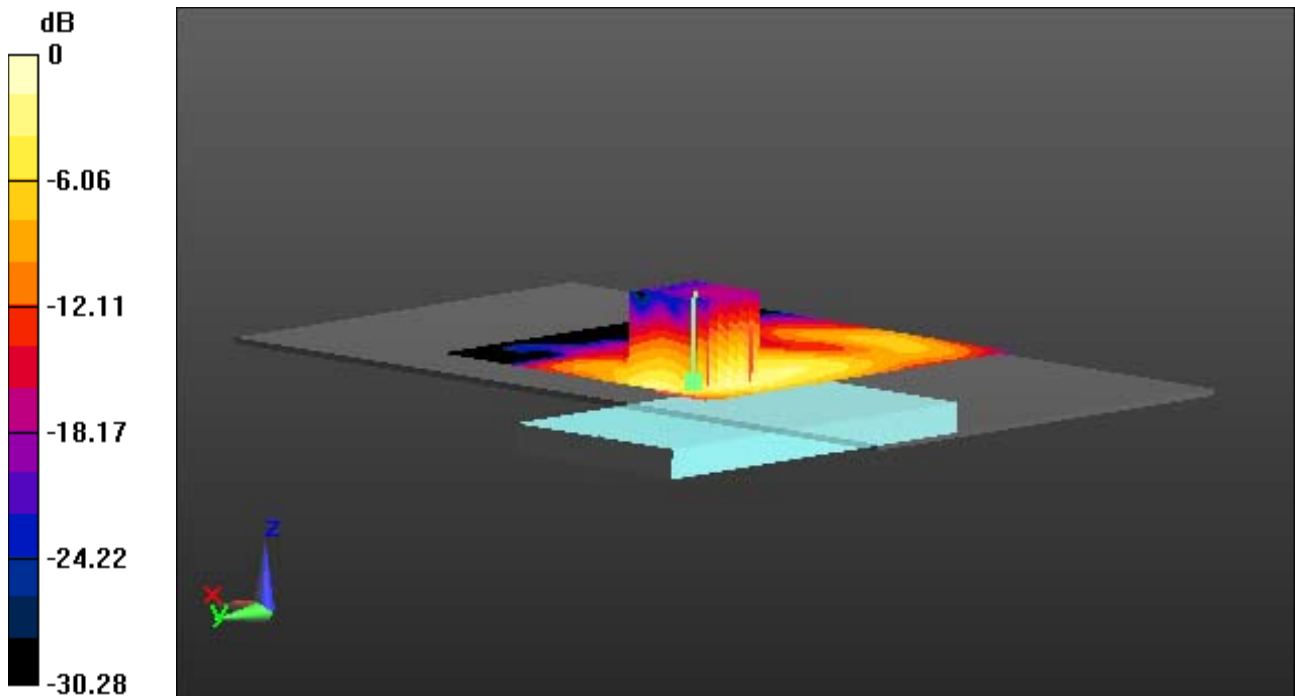
**Area Scan (101x141x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.059 W/kg



0 dB = 0.141 W/kg

## DT&C Co., Ltd.

**DUT: LG-H525N; Type: Bar**

Communication System: W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2412 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.929$  S/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.25, 4.25, 4.25); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/1  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

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

**With Enlarge plot image**

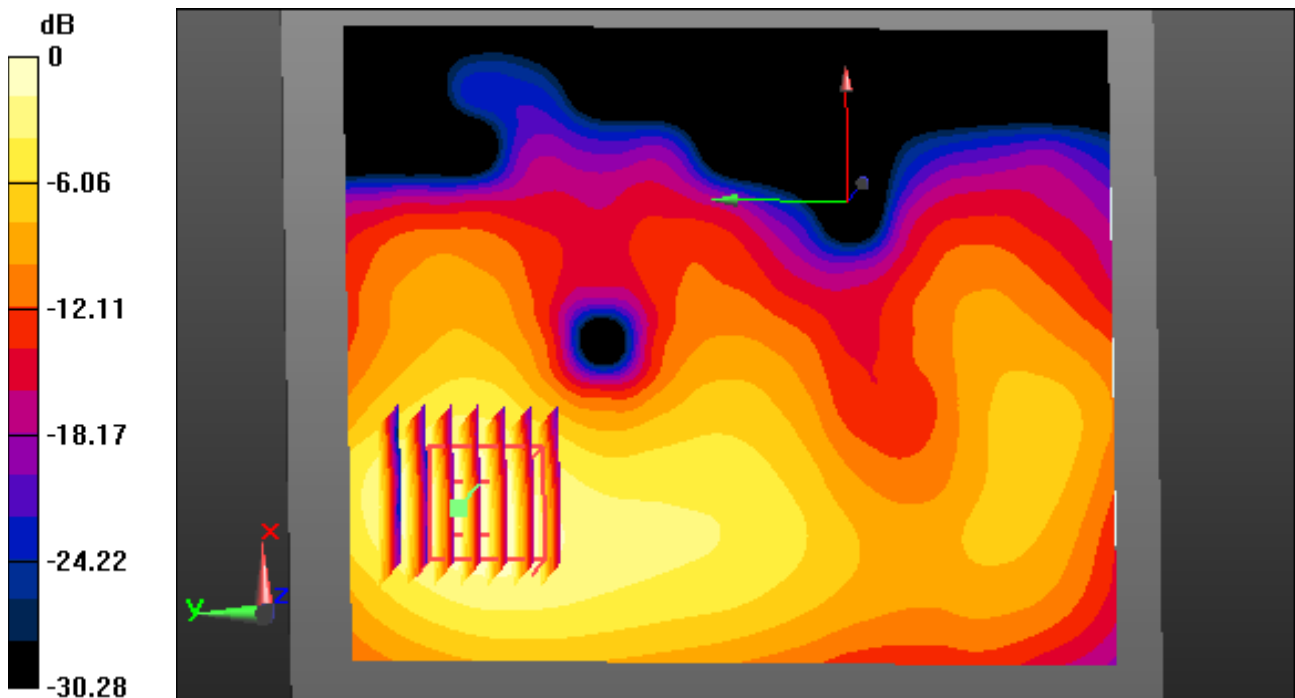
**Area Scan (101x141x1):** Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.214 W/kg

**SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.059 W/kg**



0 dB = 0.141 W/kg

## DT&C Co., Ltd.

### **DUT: LG-H525N; Type: Bar**

Communication System: W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.929 \text{ S/m}$ ;  $\epsilon_r = 52.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Center Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.25, 4.25, 4.25); Calibrated: 8/22/2014; Electronics: DAE4 Sn1394  
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147/1  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-03-10; Ambient Temp: 21.5; Tissue Temp: 22.0

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

**Area Scan (101x141x1):** 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 = -0.08 dB

Peak SAR (extrapolated) = 0.214 W/kg

**SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.059 W/kg**

