

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

**DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.919 \text{ S/m}$ ;  $\epsilon_r = 42.05$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.76, 6.76, 6.76); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-21; Ambient Temp: 22.4; Tissue Temp: 22.1

### **750 MHz System Verification**

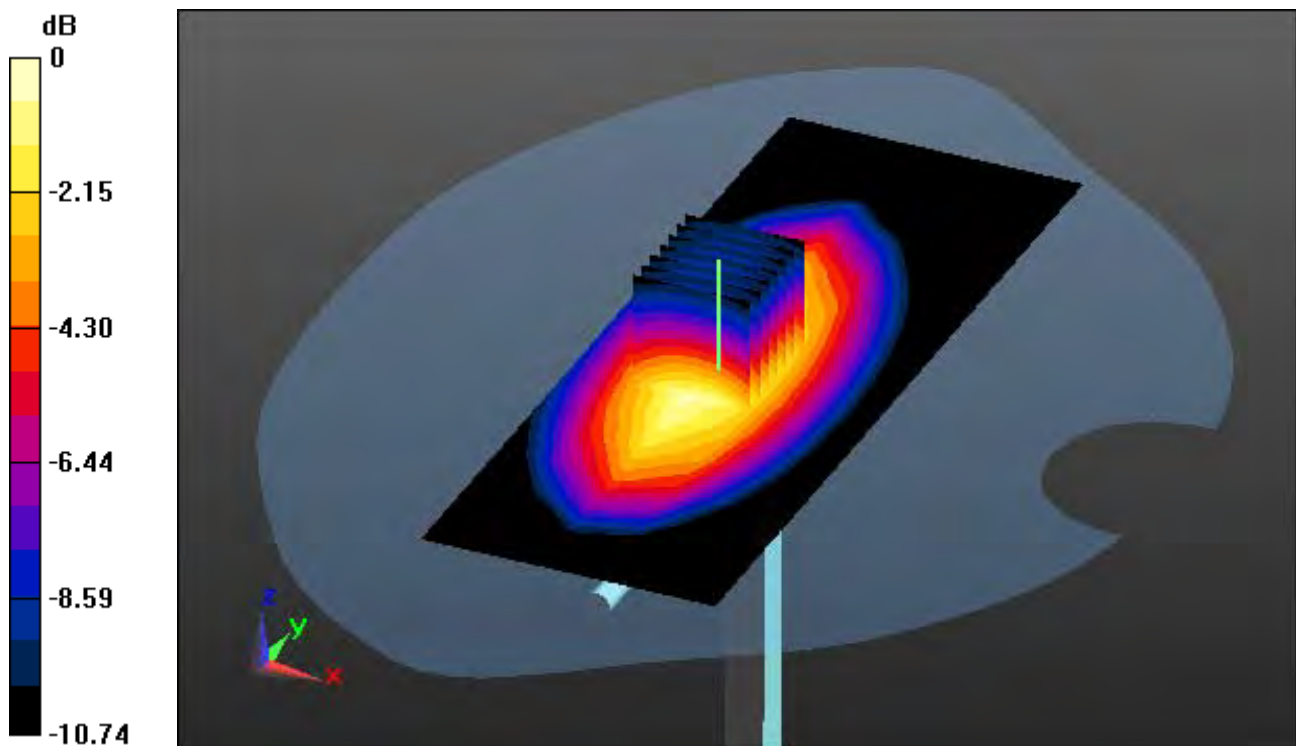
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.25 W/kg

**SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.36 W/kg**



0 dB = 2.50 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.977 \text{ S/m}$ ;  $\epsilon_r = 55.351$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.46, 6.46, 6.46); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-21; Ambient Temp: 22.4; Tissue Temp: 22.3

### **750 MHz System Verification**

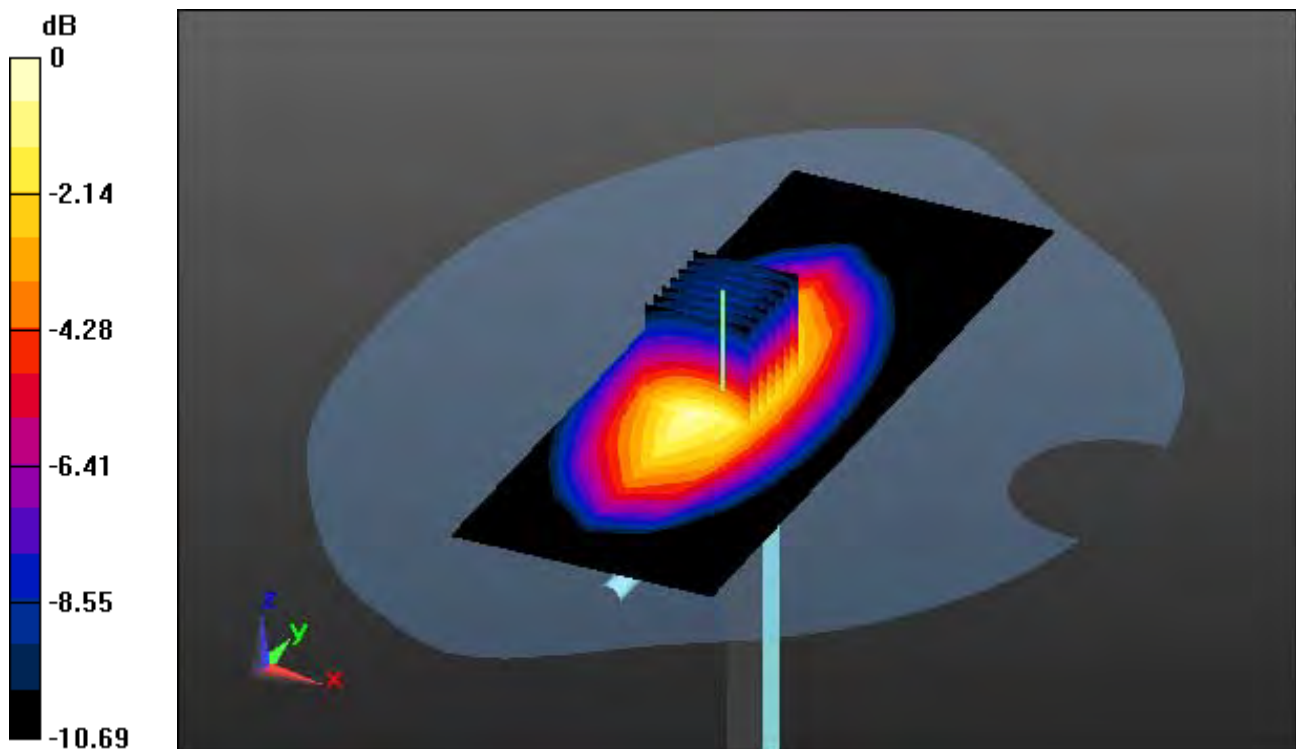
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.3 W/kg**



0 dB = 2.38 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.899 \text{ S/m}$ ;  $\epsilon_r = 41.684$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-15; Ambient Temp: 22.1; Tissue Temp: 22.0

### **835 MHz System Verification**

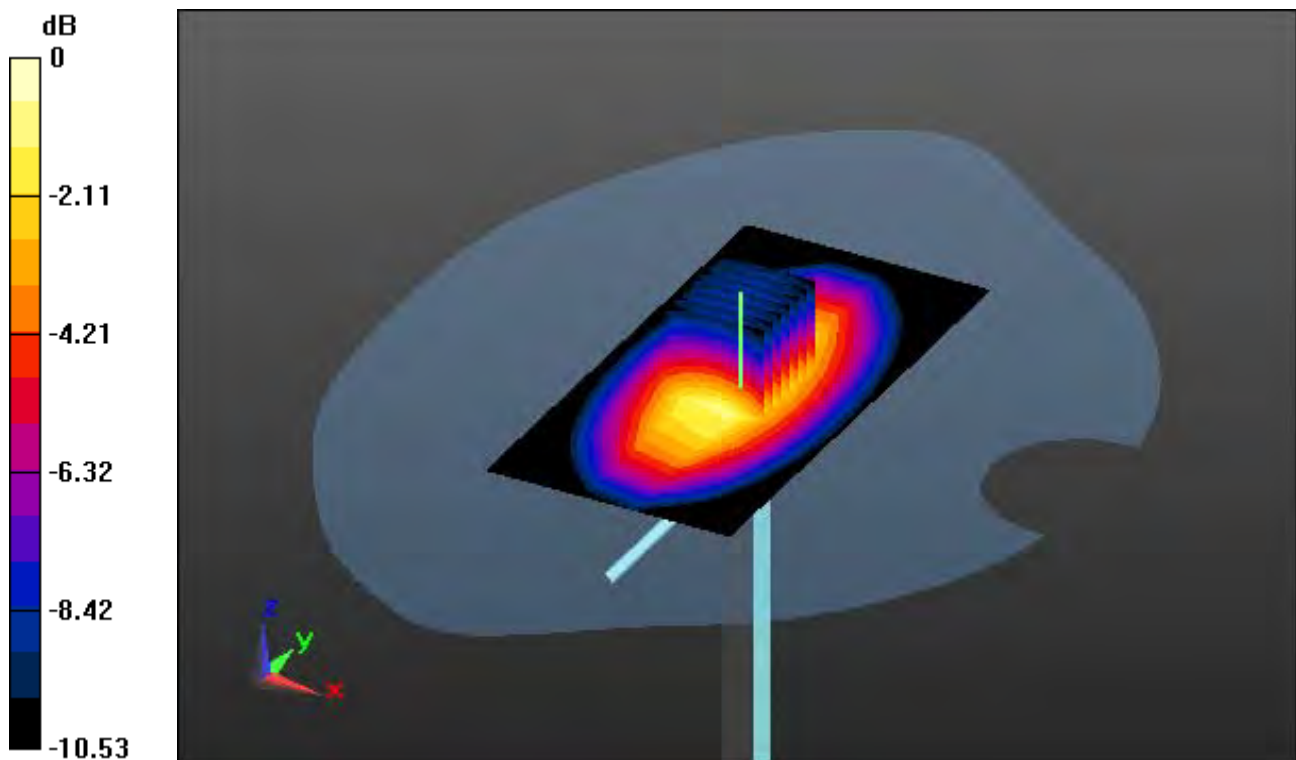
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 3.74 W/kg

SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.64 W/kg



0 dB = 2.93 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.007 \text{ S/m}$ ;  $\epsilon_r = 53.092$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-18; Ambient Temp: 21.9; Tissue Temp: 21.7

### **835 MHz System Verification**

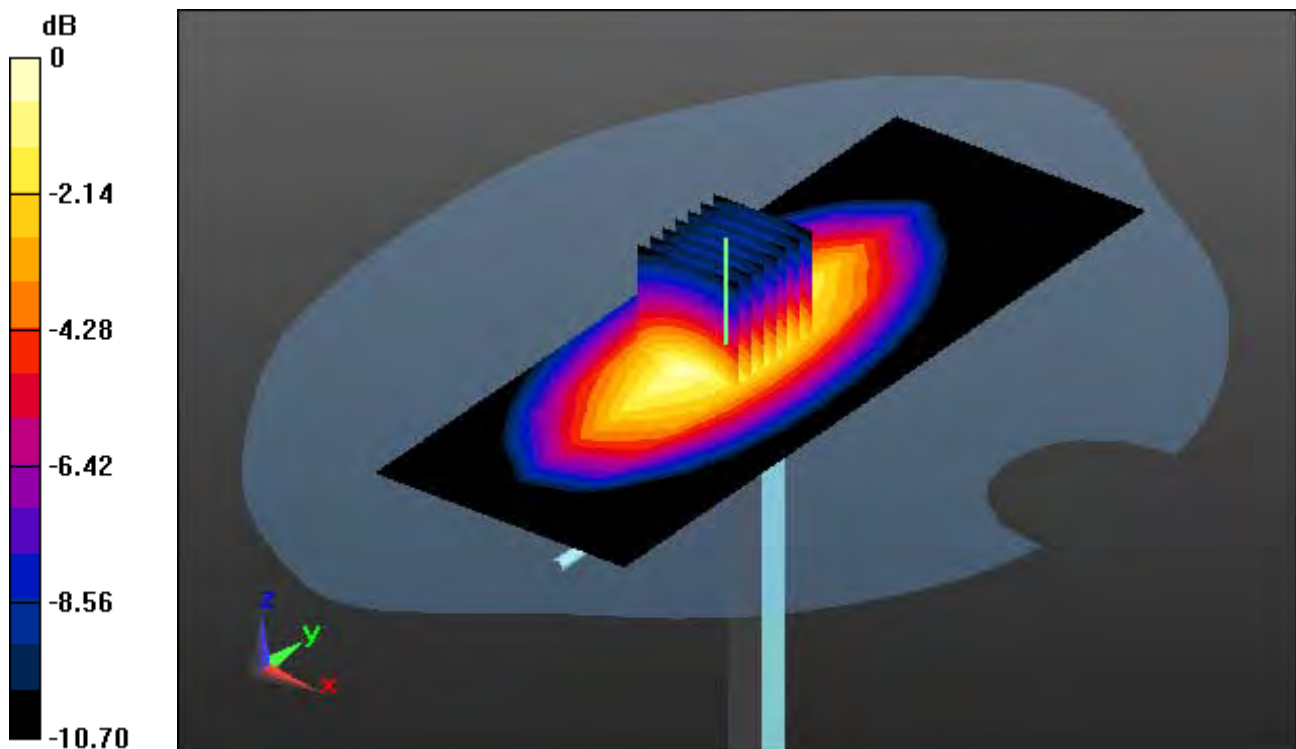
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.62 W/kg

**SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.52 W/kg**



0 dB = 2.79 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 40.732$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-19; Ambient Temp: 21.7; Tissue Temp: 21.6

### **835 MHz System Verification**

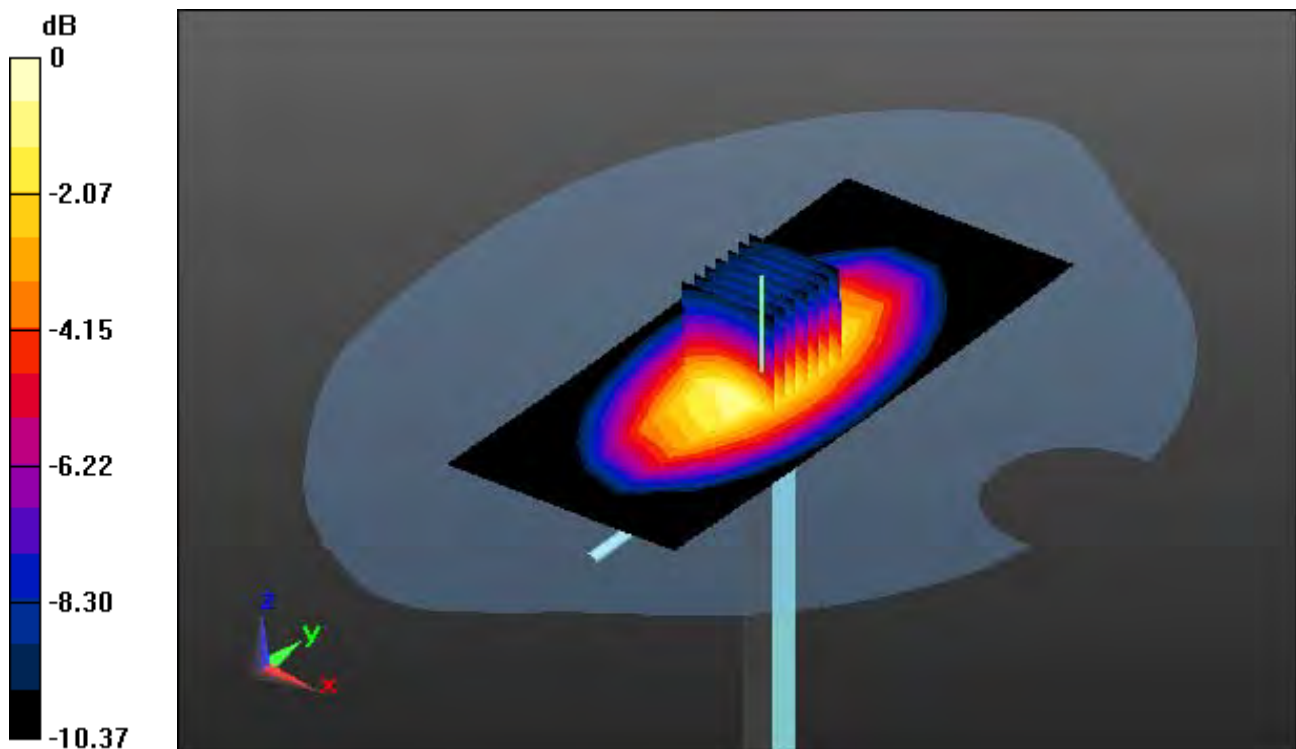
**Area Scan (6x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.64 W/kg

**SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.63 W/kg**



0 dB = 2.91 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 53.306$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-19; Ambient Temp: 21.7; Tissue Temp: 21.5

### **835 MHz System Verification**

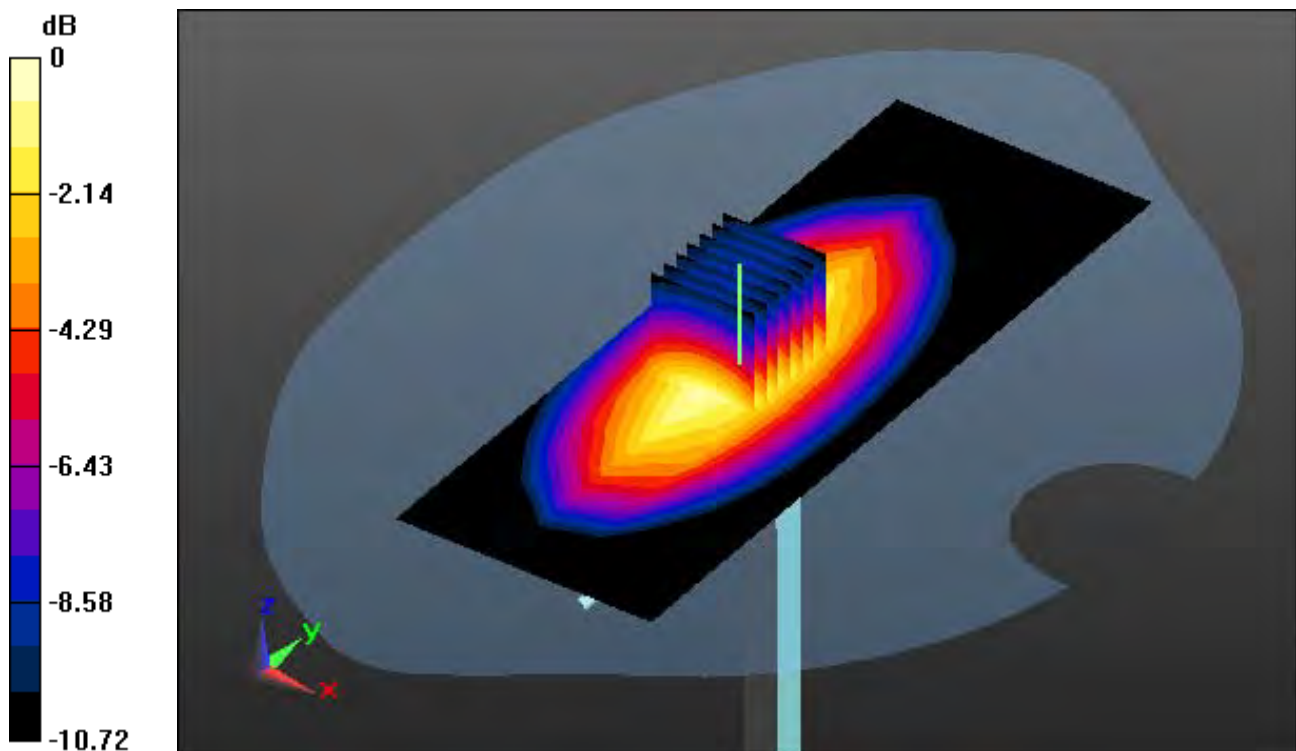
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 3.67 W/kg

SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.54 W/kg



0 dB = 2.83 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 39.694$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.27, 5.27, 5.27); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.6

### **1900 MHz System Verification**

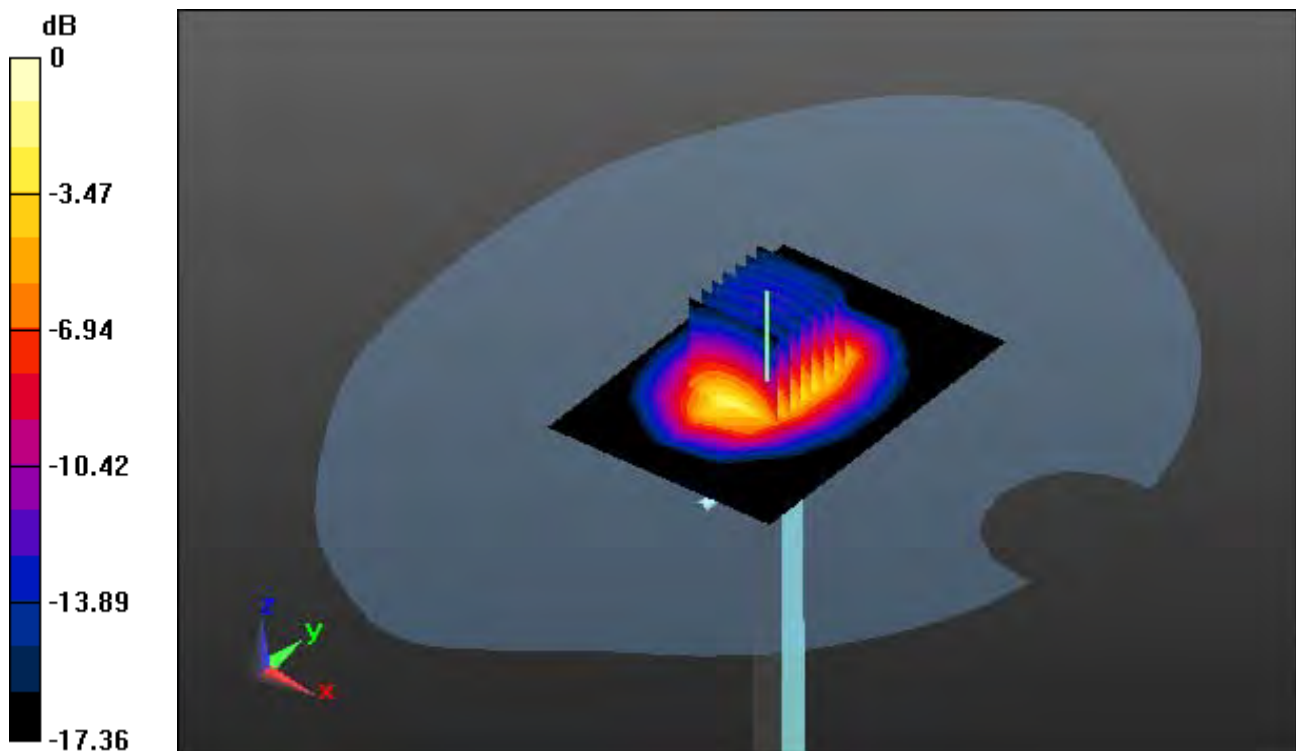
**Area Scan (6x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 19.2 W/kg

**SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.6 W/kg**



0 dB = 13.5 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.564$  S/m;  $\epsilon_r = 51.998$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.91, 4.91, 4.91); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.8

### **1900 MHz System Verification**

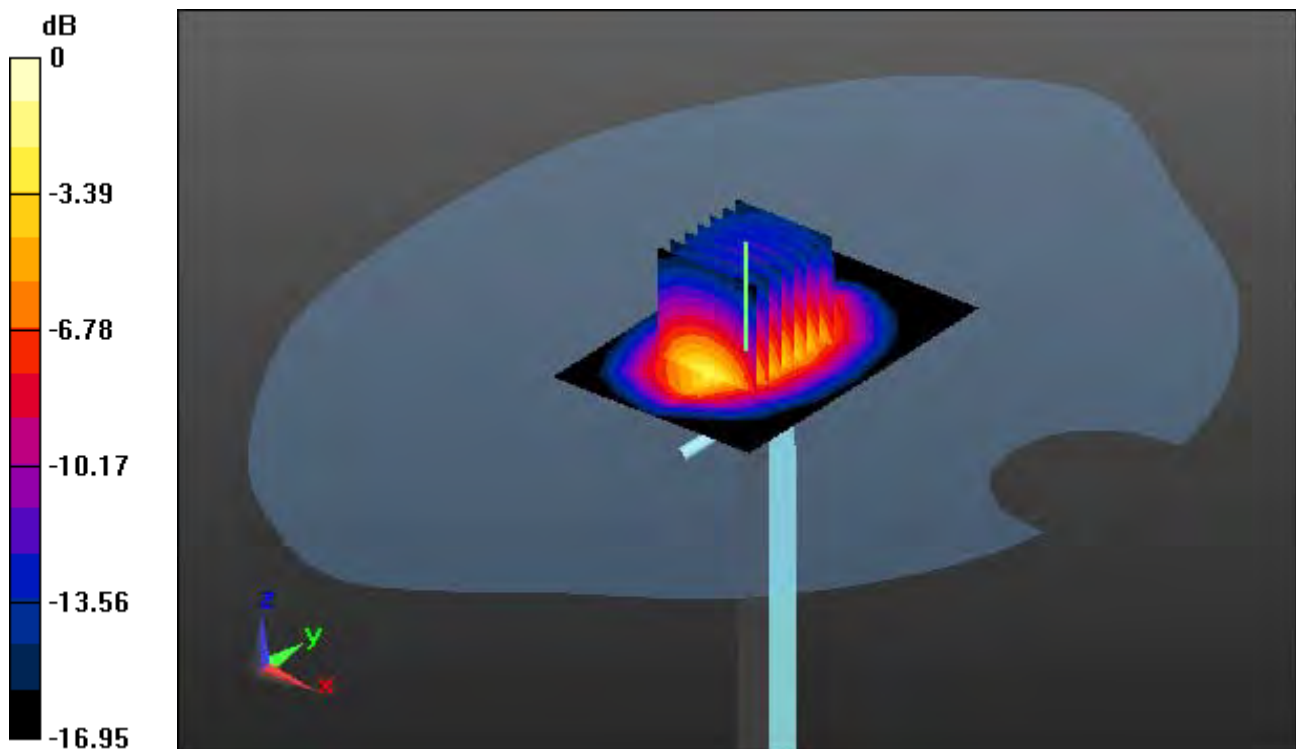
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 17.8 W/kg

**SAR(1 g) = 9.95 W/kg; SAR(10 g) = 5.24 W/kg**



0 dB = 12.7 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.865$  S/m;  $\epsilon_r = 39.174$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

### **2450 MHz System Verification**

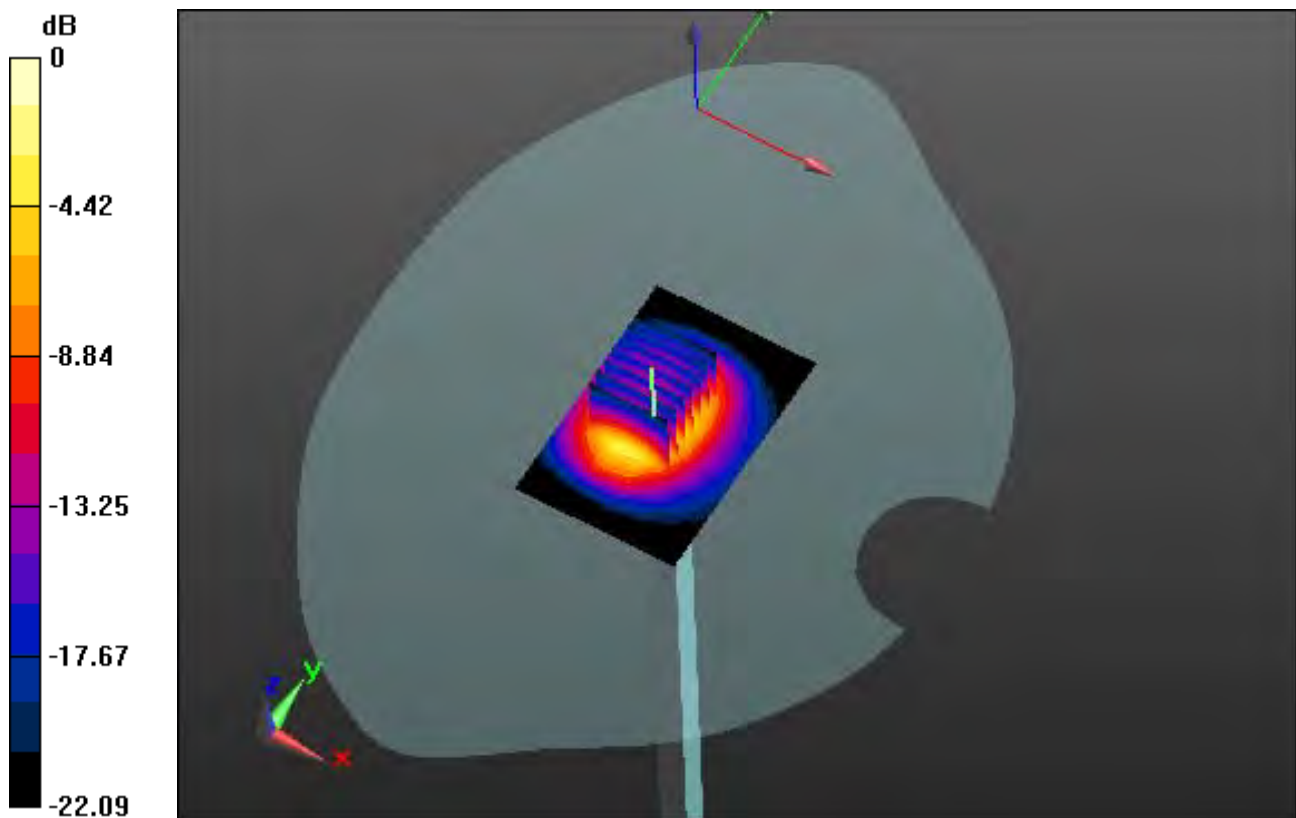
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 27.1 W/kg

**SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.22 W/kg**



0 dB = 18.1 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.962$  S/m;  $\epsilon_r = 51.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

### **2450 MHz System Verification**

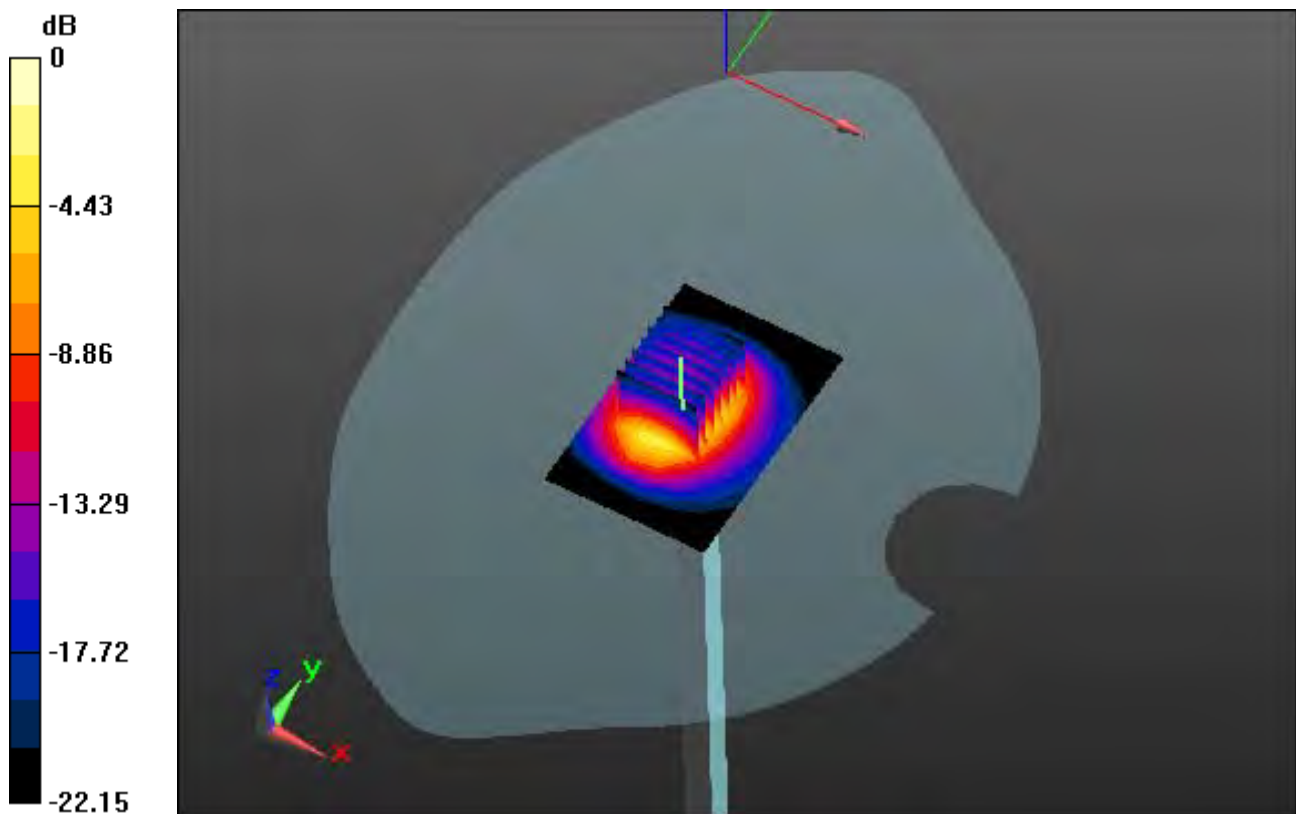
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 27.0 W/kg

**SAR(1 g) = 12.6 W/kg; SAR(10 g) = 6.12 W/kg**



0 dB = 17.7 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.426$  S/m;  $\epsilon_r = 47.928$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.87, 4.87, 4.87); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-25; Ambient Temp: 21.6; Tissue Temp: 22.1

### **5200 MHz System Verification**

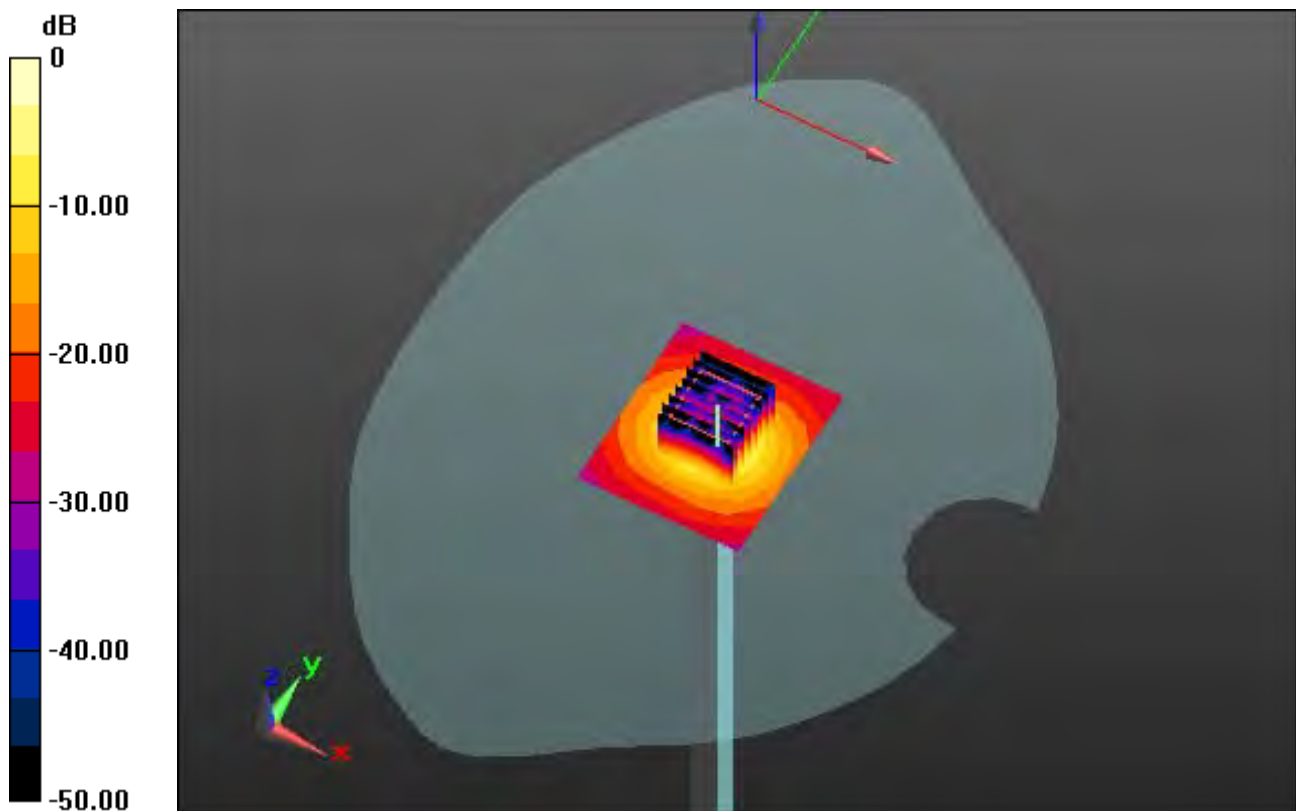
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 31.9 W/kg

**SAR(1 g) = 7.4 W/kg; SAR(10 g) = 2.07 W/kg**



0 dB = 17.9 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.842$  S/m;  $\epsilon_r = 36.009$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.24, 5.24, 5.24); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-26; Ambient Temp: 21.4; Tissue Temp: 21.9

### **5300 MHz System Verification**

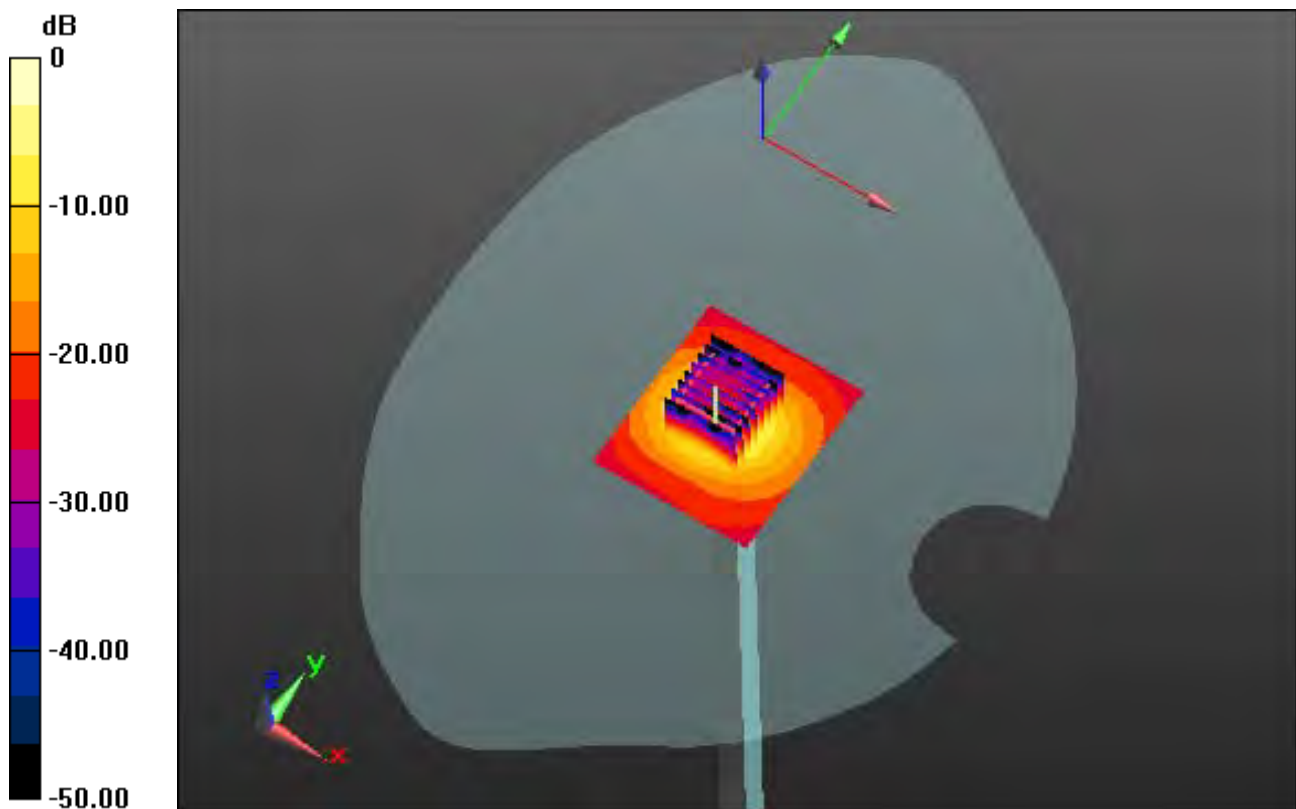
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 36.1 W/kg

**SAR(1 g) = 8.65 W/kg; SAR(10 g) = 2.46 W/kg**



0 dB = 20.3 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.537$  S/m;  $\epsilon_r = 47.939$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

### **5300 MHz System Verification**

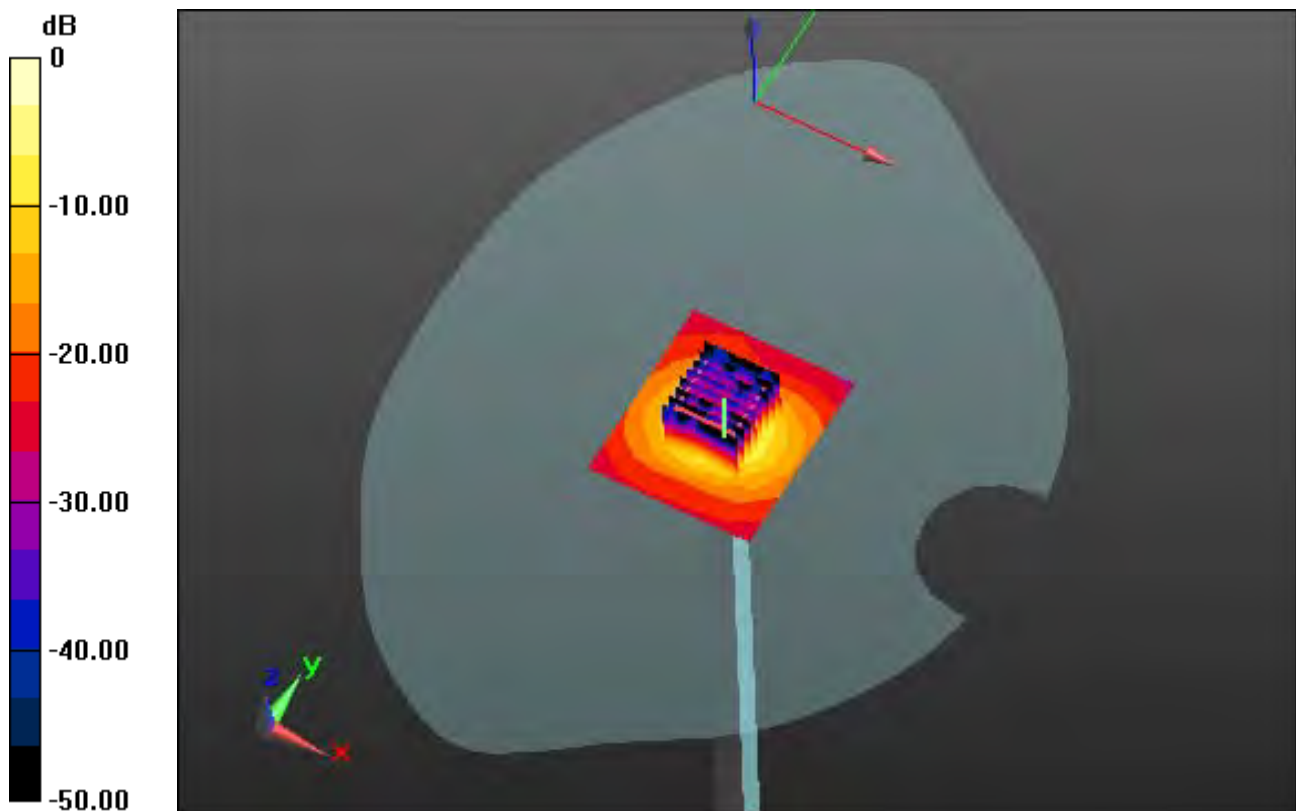
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 35.3 W/kg

**SAR(1 g) = 8.1 W/kg; SAR(10 g) = 2.25 W/kg**



0 dB = 19.3 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.096$  S/m;  $\epsilon_r = 35.309$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.86, 4.86, 4.86); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-28; Ambient Temp: 21.3; Tissue Temp: 22.0

### **5600 MHz System Verification**

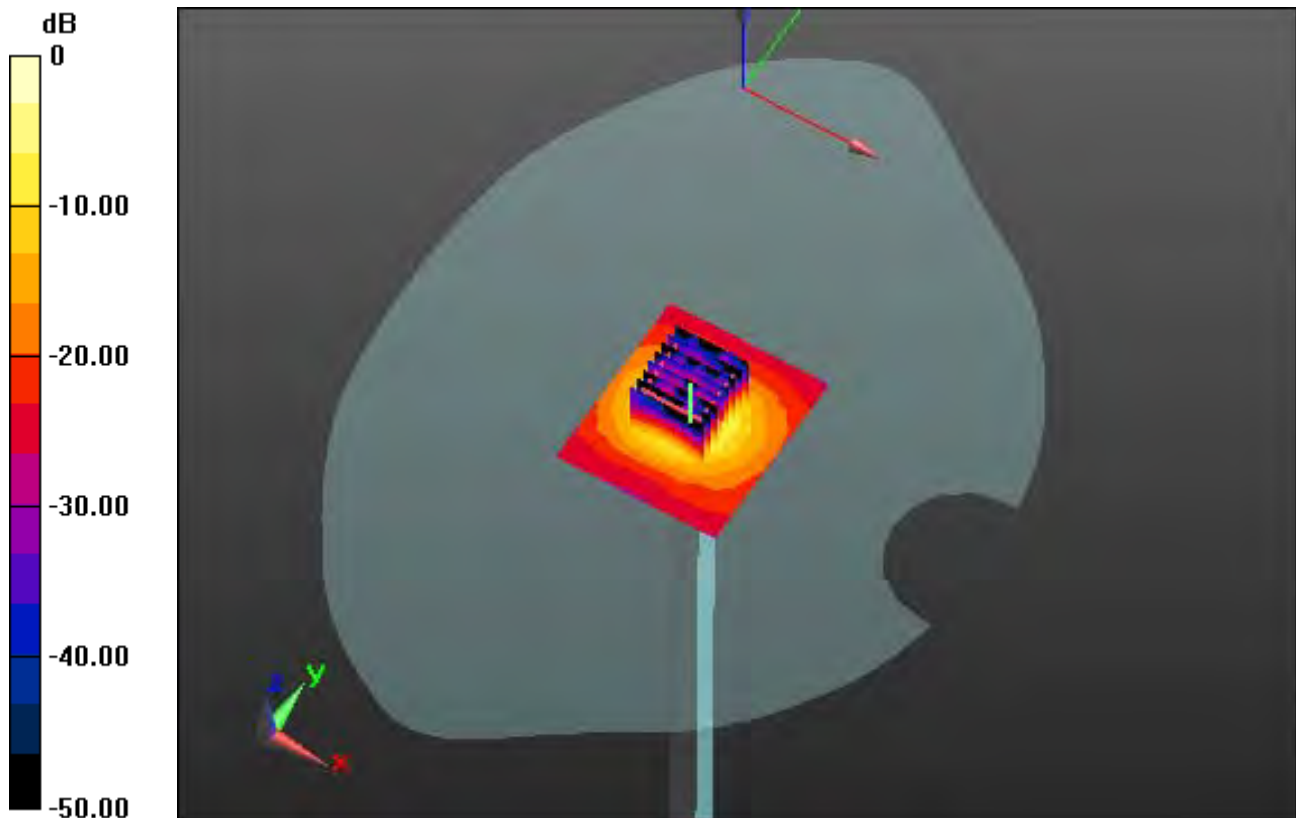
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 36.4 W/kg

**SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.39 W/kg**



0 dB = 20.3 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.876$  S/m;  $\epsilon_r = 46.702$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

### **5600 MHz System Verification**

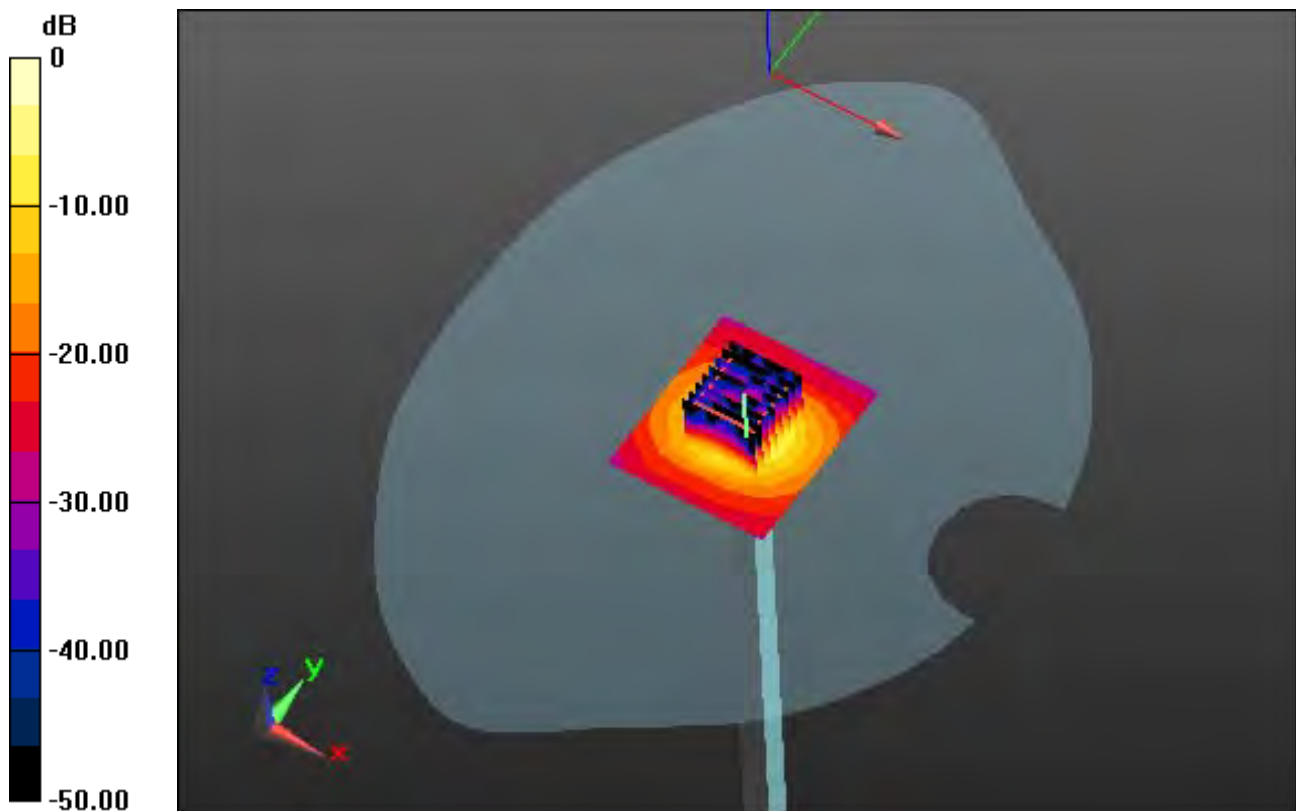
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 38.0 W/kg

**SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.3 W/kg**



0 dB = 20.5 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.277$  S/m;  $\epsilon_r = 34.309$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.83, 4.83, 4.83); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-10-03; Ambient Temp: 21.6; Tissue Temp: 22.1

### **5800 MHz System Verification**

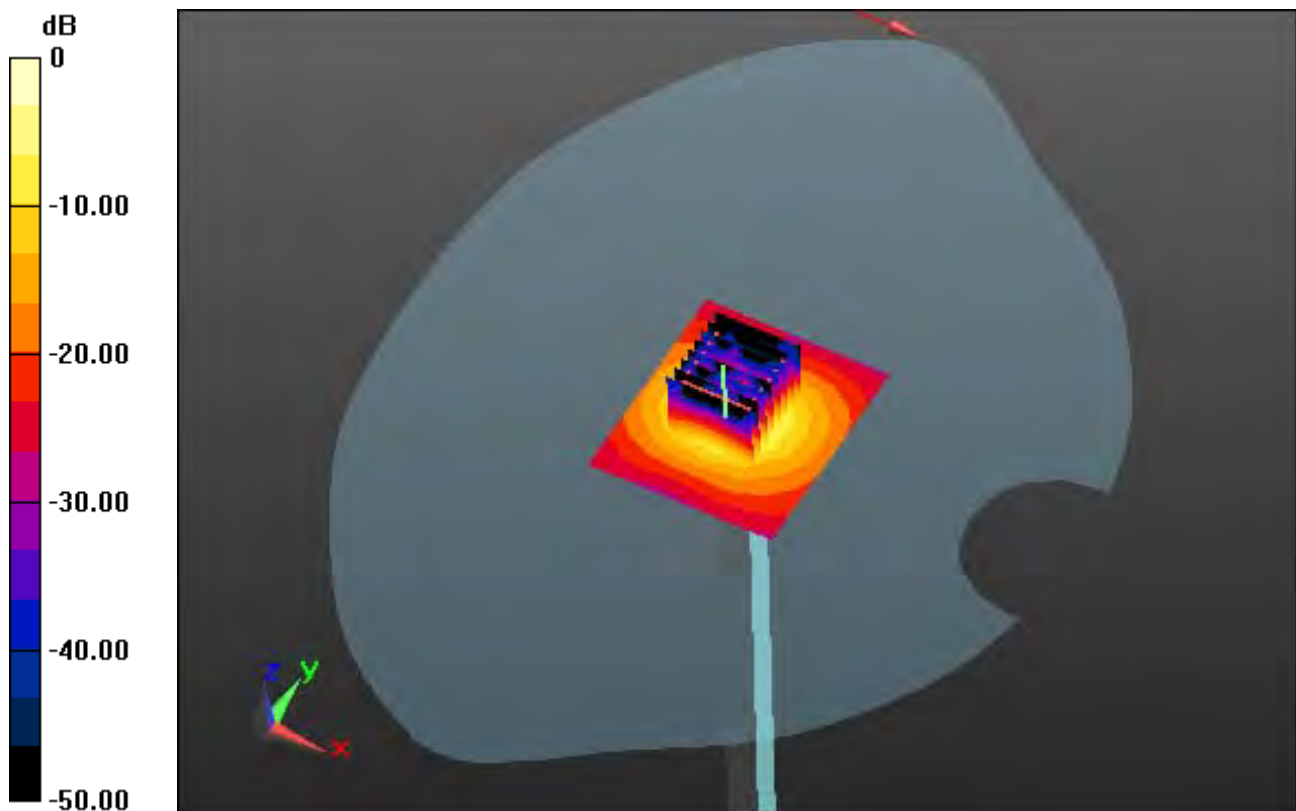
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 34.7 W/kg

**SAR(1 g) = 7.7 W/kg; SAR(10 g) = 2.18 W/kg**



0 dB = 18.7 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.082$  S/m;  $\epsilon_r = 46.575$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.33, 4.33, 4.33); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-10-05; Ambient Temp: 21.4; Tissue Temp: 21.9

### **5800 MHz System Verification**

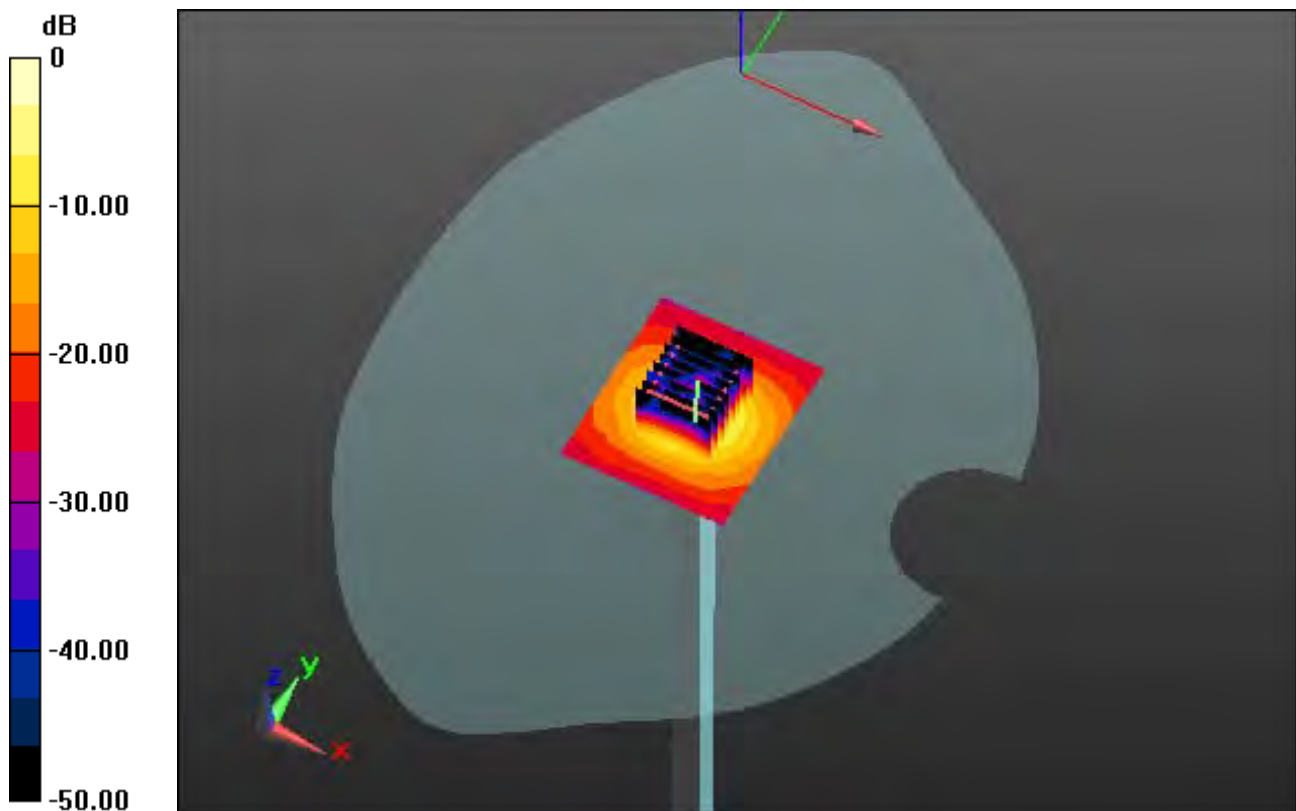
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 37.7 W/kg

**SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.19 W/kg**



0 dB = 19.4 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 41.664$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-15; Ambient Temp: 22.1; Tissue Temp: 22.0

**Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**

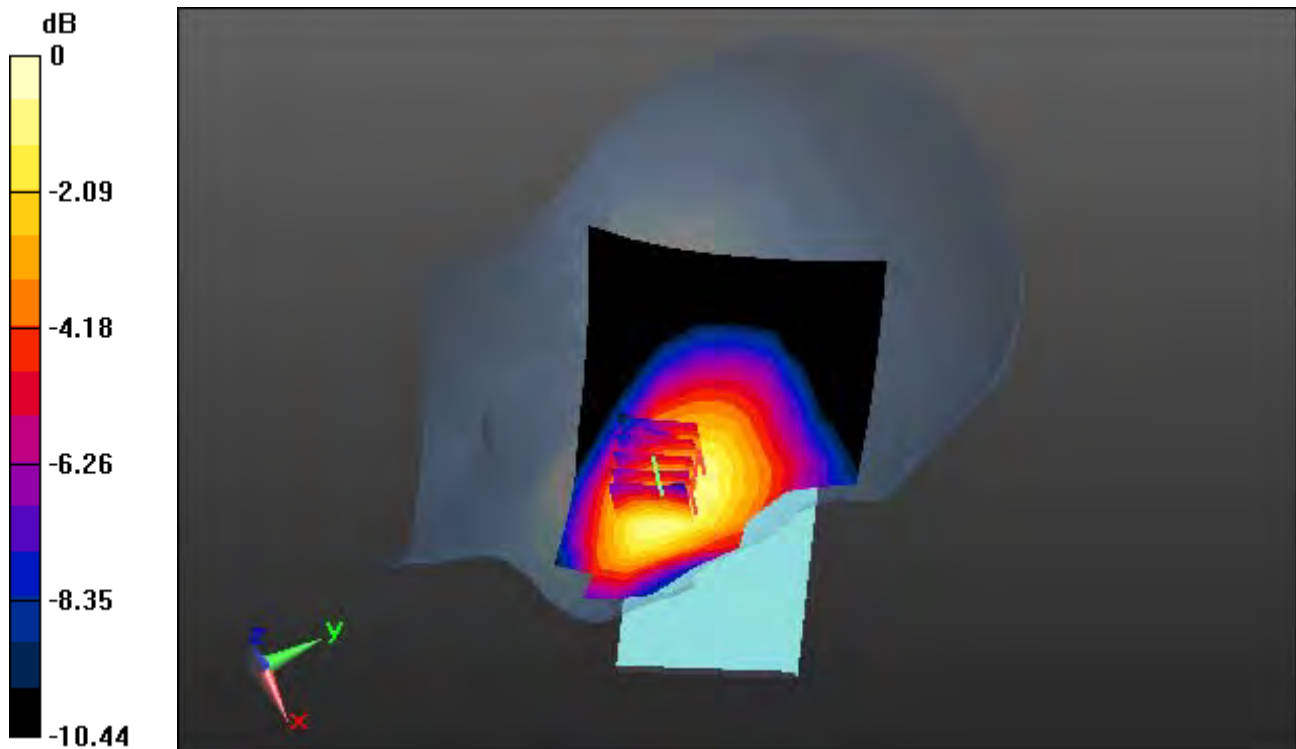
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 0.192 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.118 W/kg**



0 dB = 0.166 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 41.664$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-15; Ambient Temp: 22.1; Tissue Temp: 22.0

**Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**

**With Enlarge Plot image**

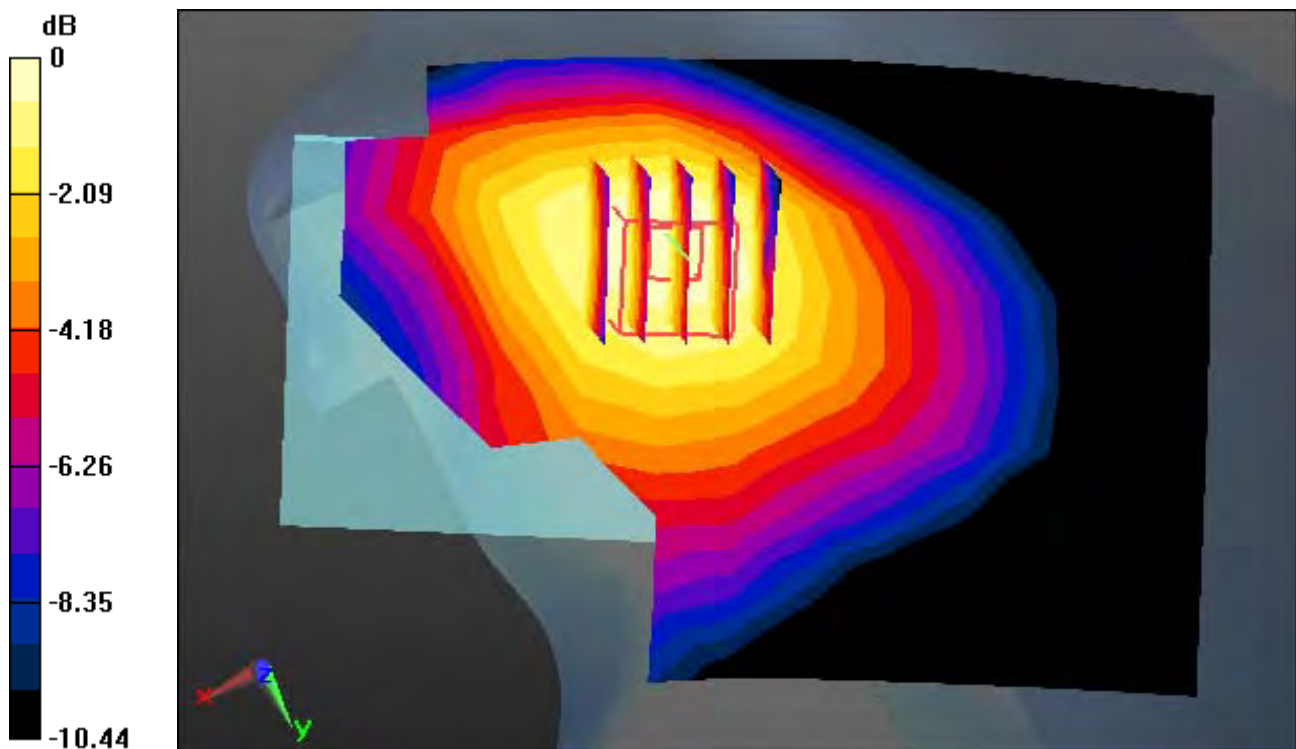
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 0.192 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.118 W/kg**



0 dB = 0.166 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850\_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 41.664$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-15; Ambient Temp: 22.1; Tissue Temp: 22.0

**Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery**

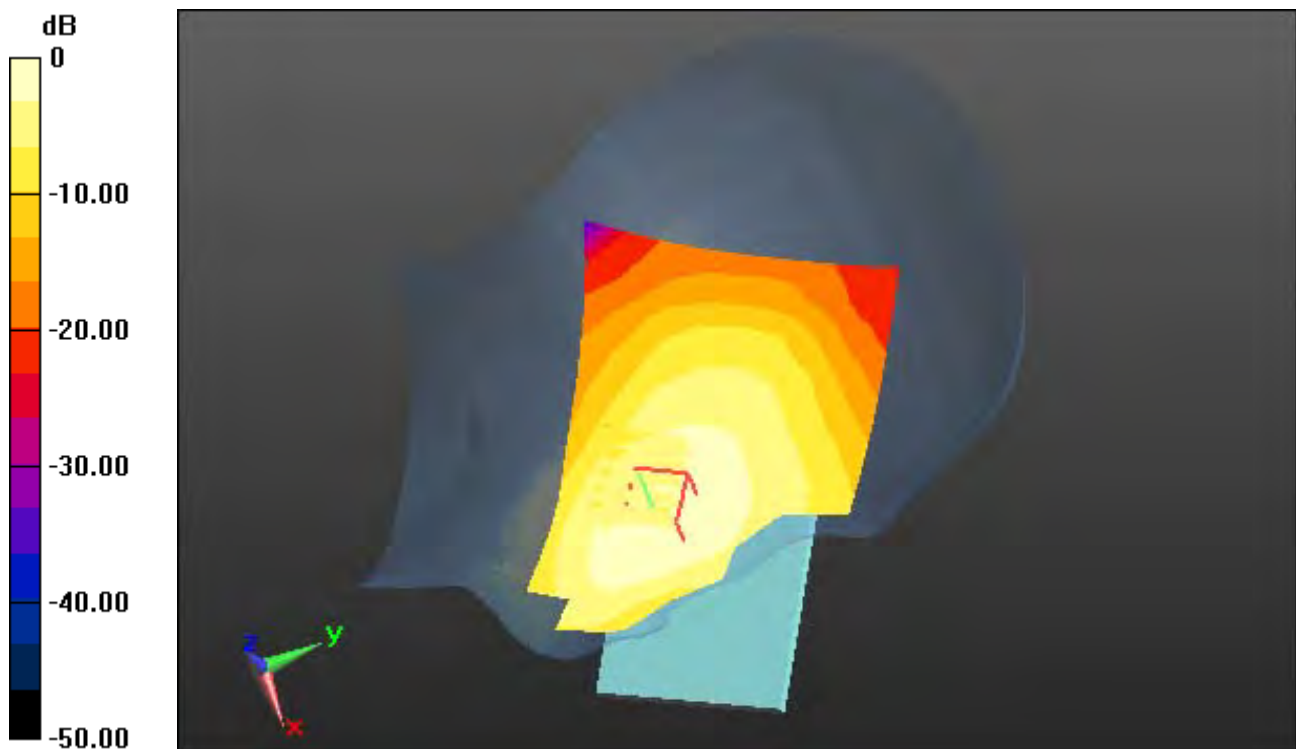
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.125 W/kg**



0 dB = 0.182 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850\_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 41.664$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-15; Ambient Temp: 22.1; Tissue Temp: 22.0

**Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery**

### **With Enlarge Plot image**

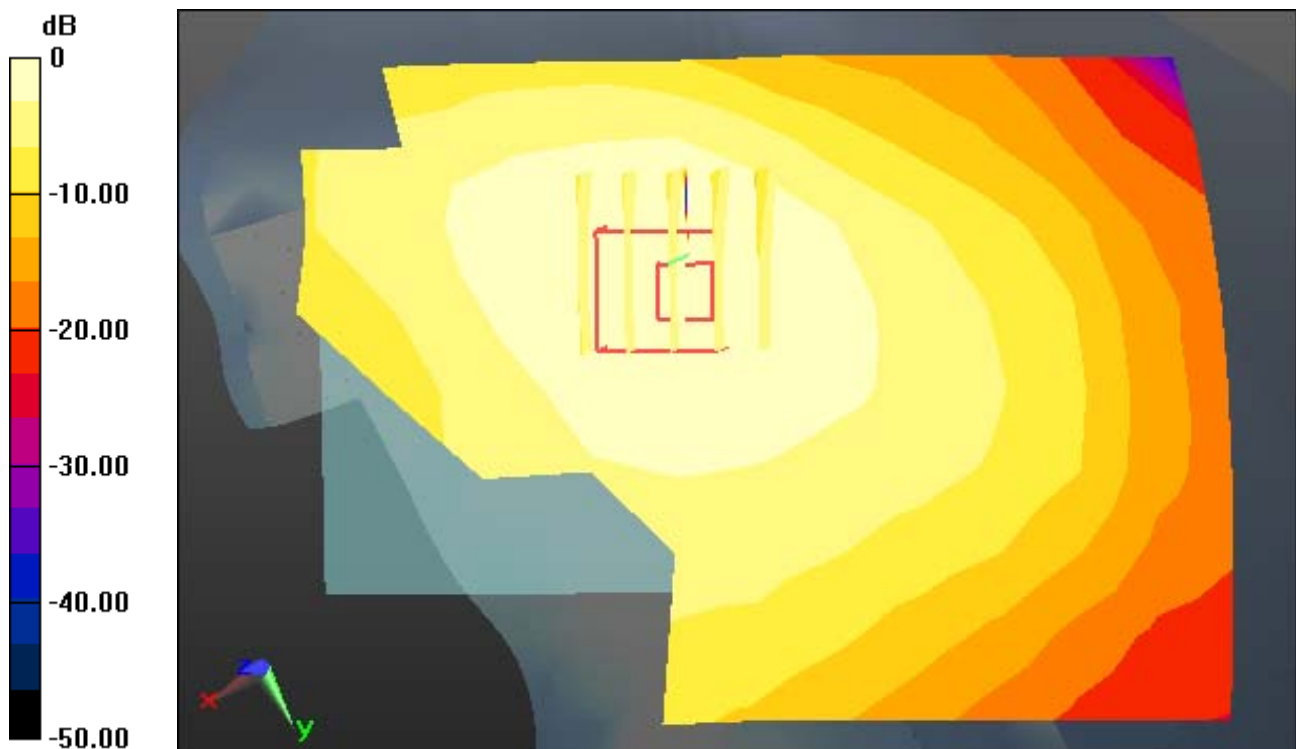
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.125 W/kg**



0 dB = 0.182 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.385$  S/m;  $\epsilon_r = 39.813$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.27, 5.27, 5.27); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.6

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

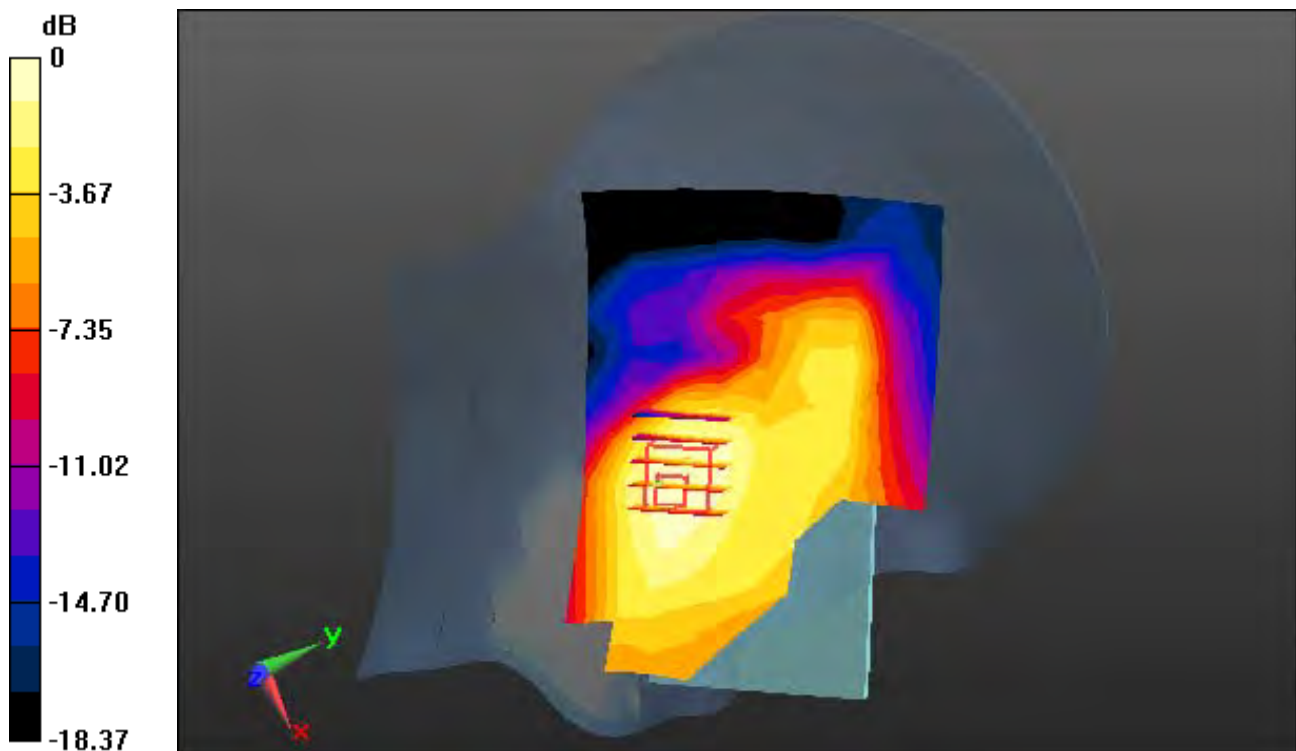
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0710 W/kg

**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.030 W/kg**



0 dB = 0.0536 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.385 \text{ S/m}$ ;  $\epsilon_r = 39.813$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.27, 5.27, 5.27); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.6

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

**With Enlarge Plot image**

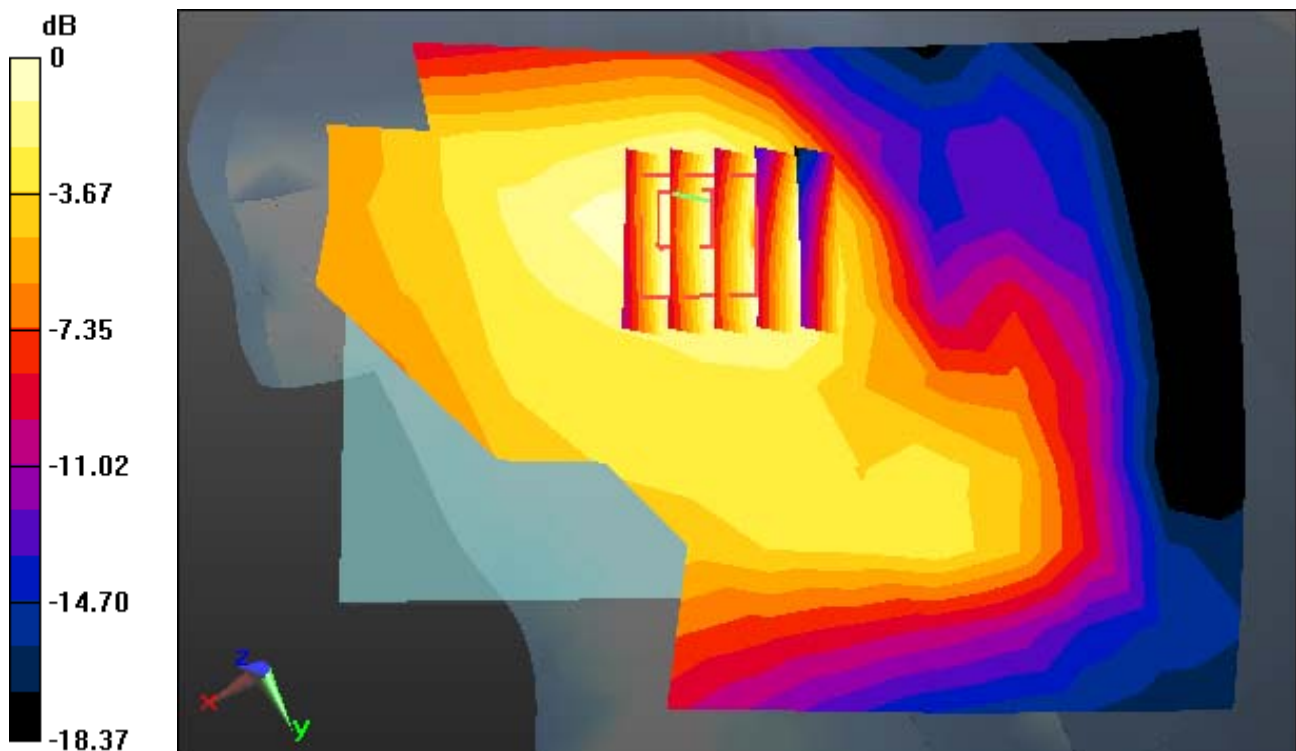
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 0.0710 W/kg

**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.030 W/kg**



0 dB = 0.0536 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.385 \text{ S/m}$ ;  $\epsilon_r = 39.813$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.27, 5.27, 5.27); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.6

**Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

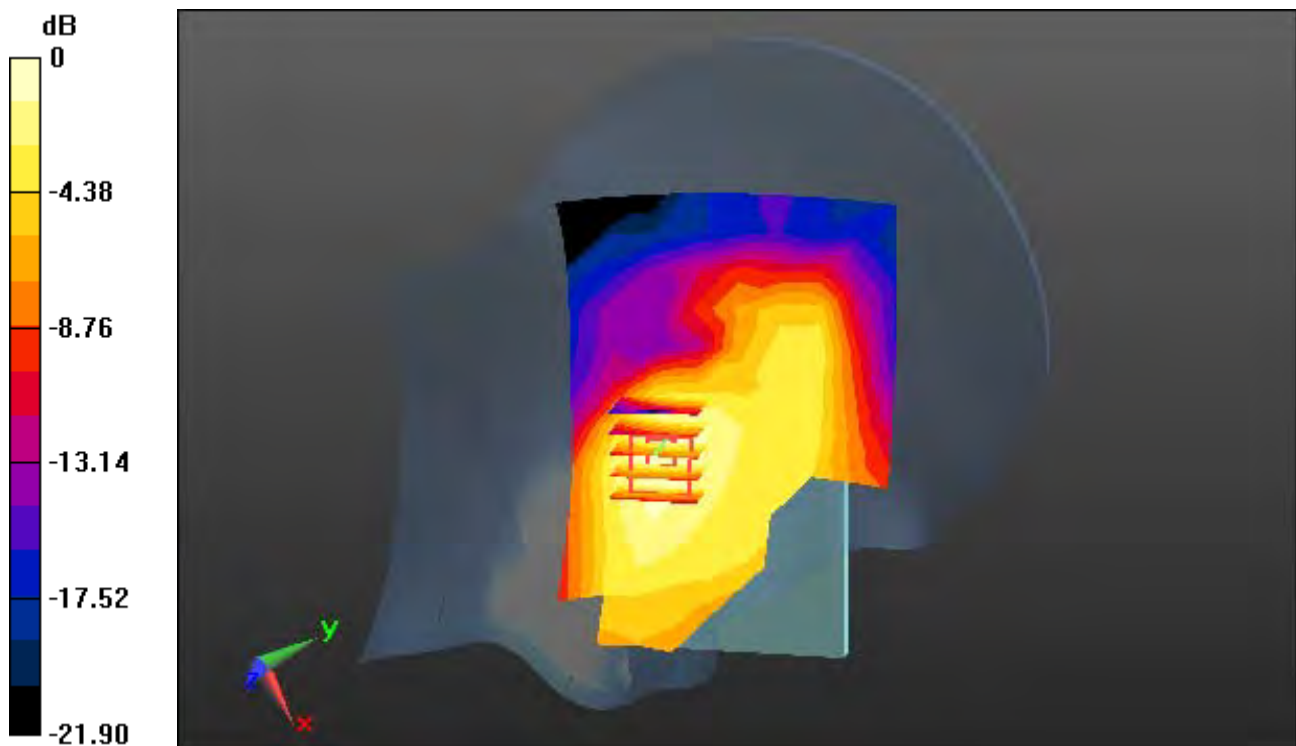
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) =  $0.0750 \text{ W/kg}$

**SAR(1 g) =  $0.051 \text{ W/kg}$ ; SAR(10 g) =  $0.034 \text{ W/kg}$**



0 dB =  $0.0580 \text{ W/kg}$

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.385$  S/m;  $\epsilon_r = 39.813$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.27, 5.27, 5.27); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.6

**Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge Plot image**

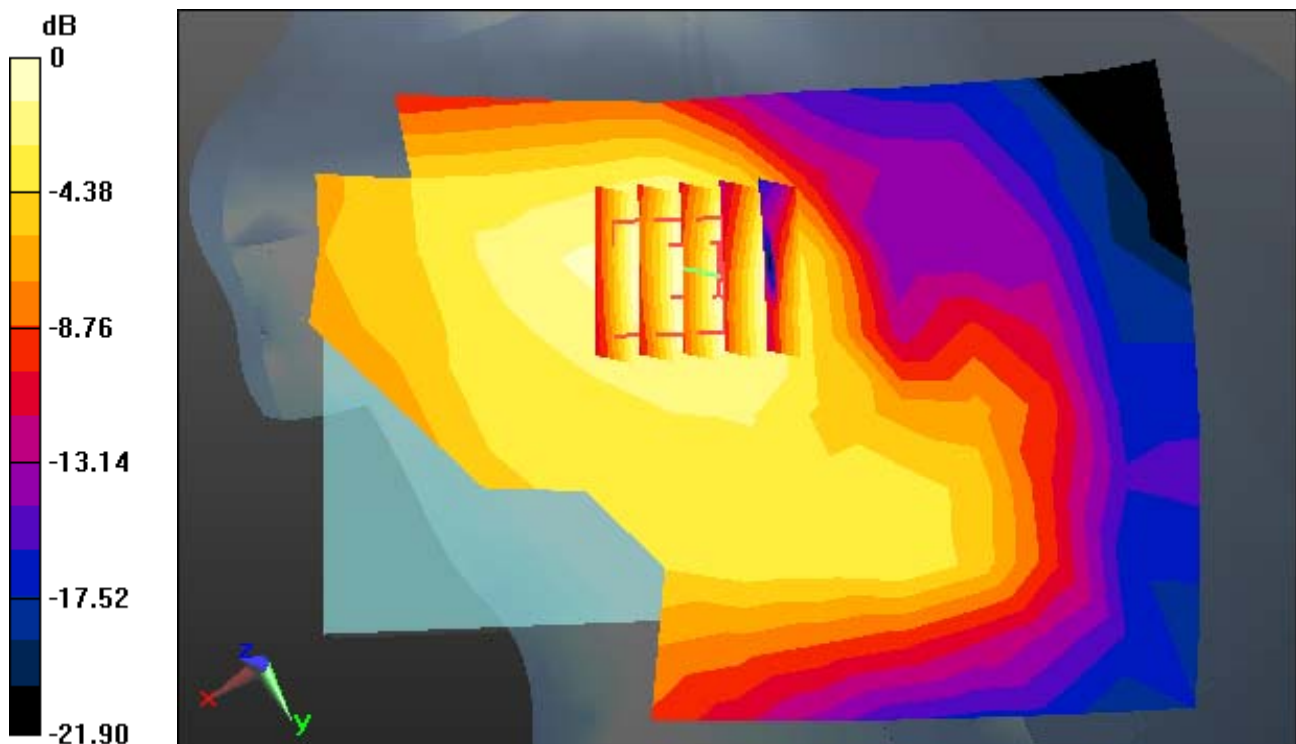
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0750 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.034 W/kg**



0 dB = 0.0580 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 41.664$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-15; Ambient Temp: 22.1; Tissue Temp: 22.0

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

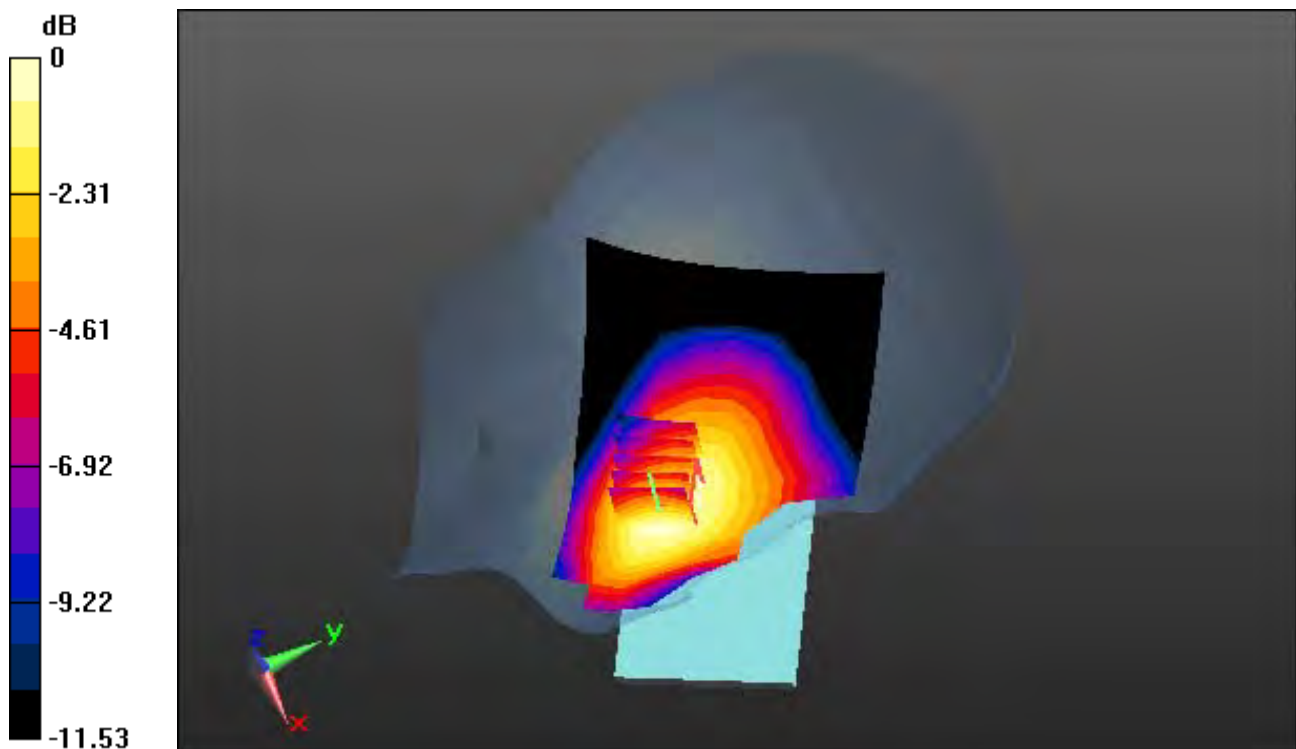
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.314 W/kg

**SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.194 W/kg**



0 dB = 0.269 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 41.664$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-15; Ambient Temp: 22.1; Tissue Temp: 22.0

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

**With Enlarge Plot image**

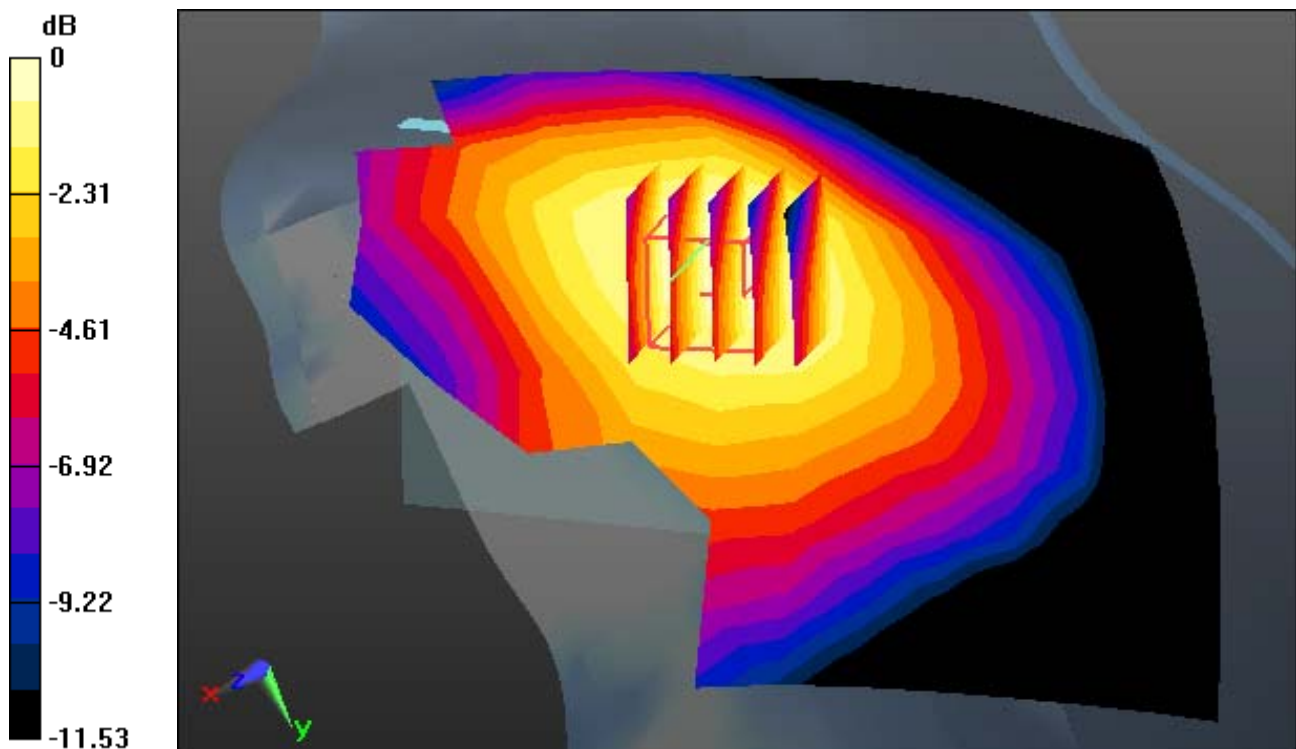
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.314 W/kg

**SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.194 W/kg**



0 dB = 0.269 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 12 (FCC) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.881 \text{ S/m}$ ;  $\epsilon_r = 42.635$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.76, 6.76, 6.76); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-21; Ambient Temp: 22.4; Tissue Temp: 22.1

**Left Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

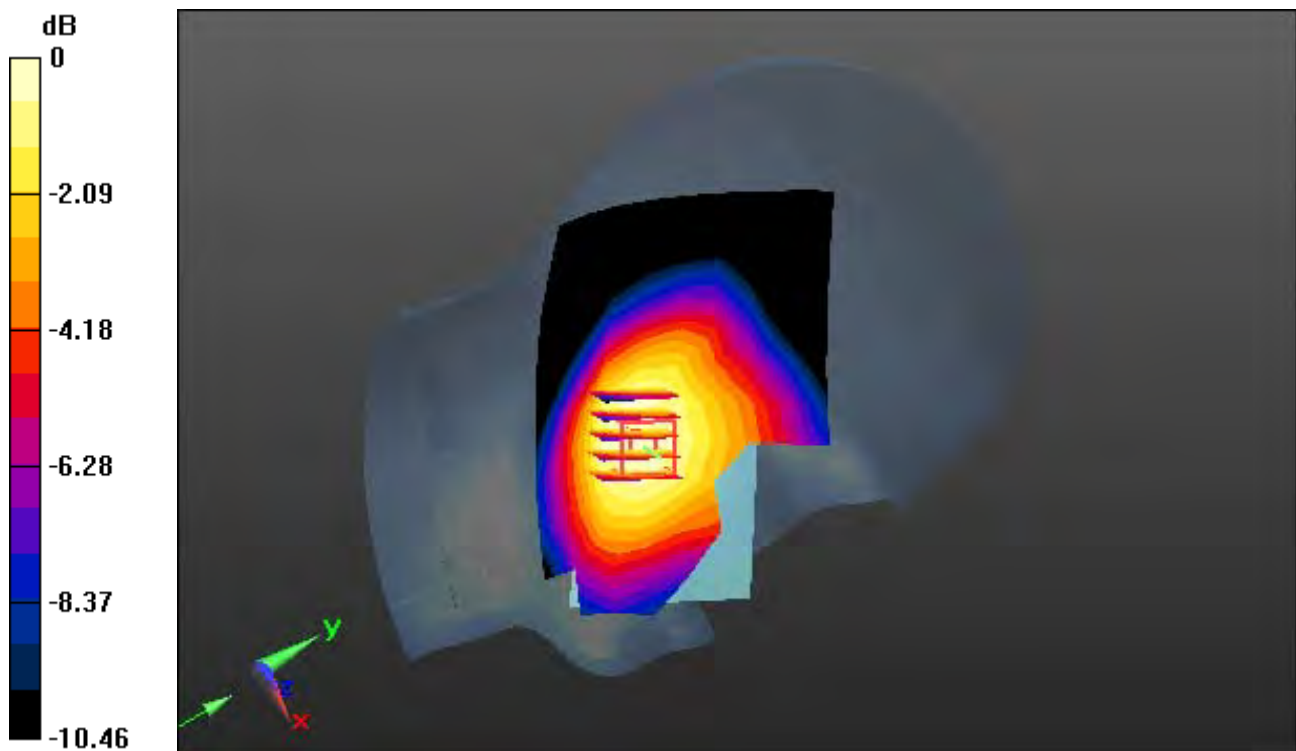
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.092 W/kg**



0 dB = 0.126 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 12 (FCC) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.881 \text{ S/m}$ ;  $\epsilon_r = 42.635$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.76, 6.76, 6.76); Calibrated: 3/21/2017; Electronics: DAE3 Sn519  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-09-21; Ambient Temp: 22.4; Tissue Temp: 22.1

**Left Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

**With Enlarge Plot image**

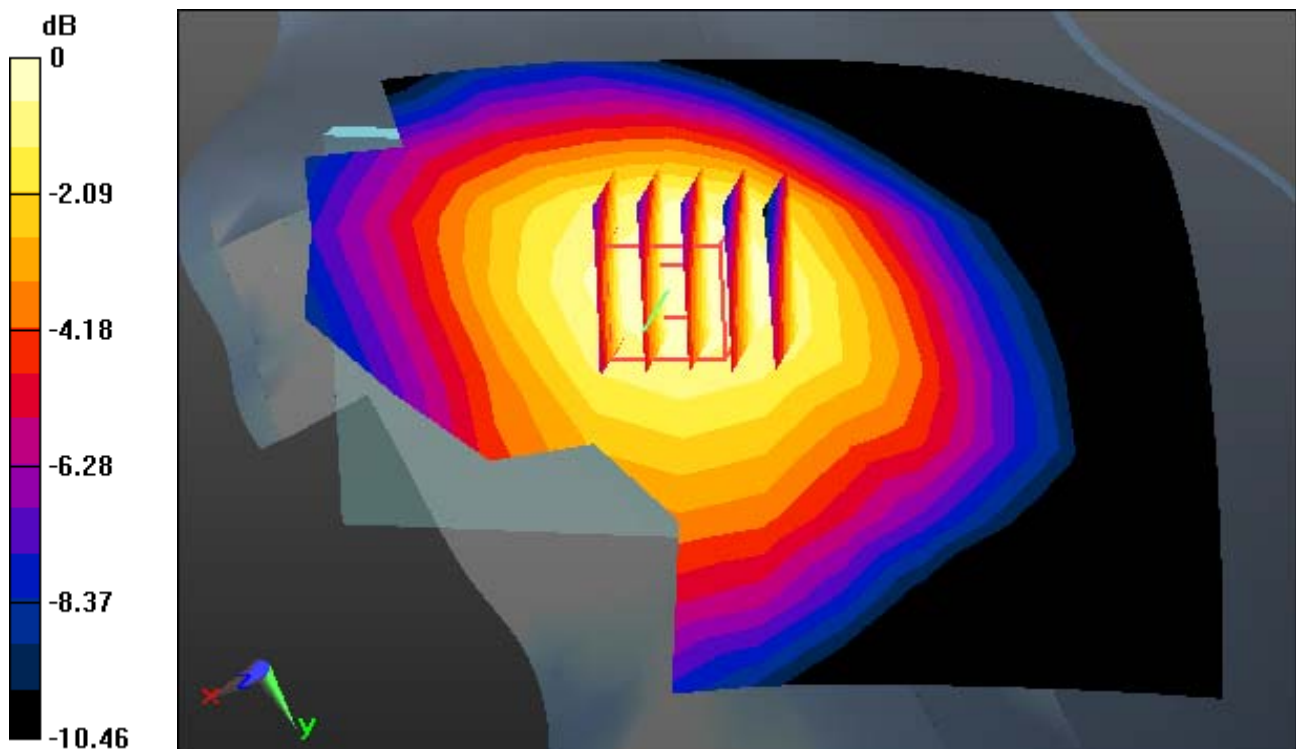
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.092 W/kg**



0 dB = 0.126 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 5 (FCC) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.89 \text{ S/m}$ ;  $\epsilon_r = 40.717$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-19; Ambient Temp: 21.7; Tissue Temp: 21.6

**Left Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

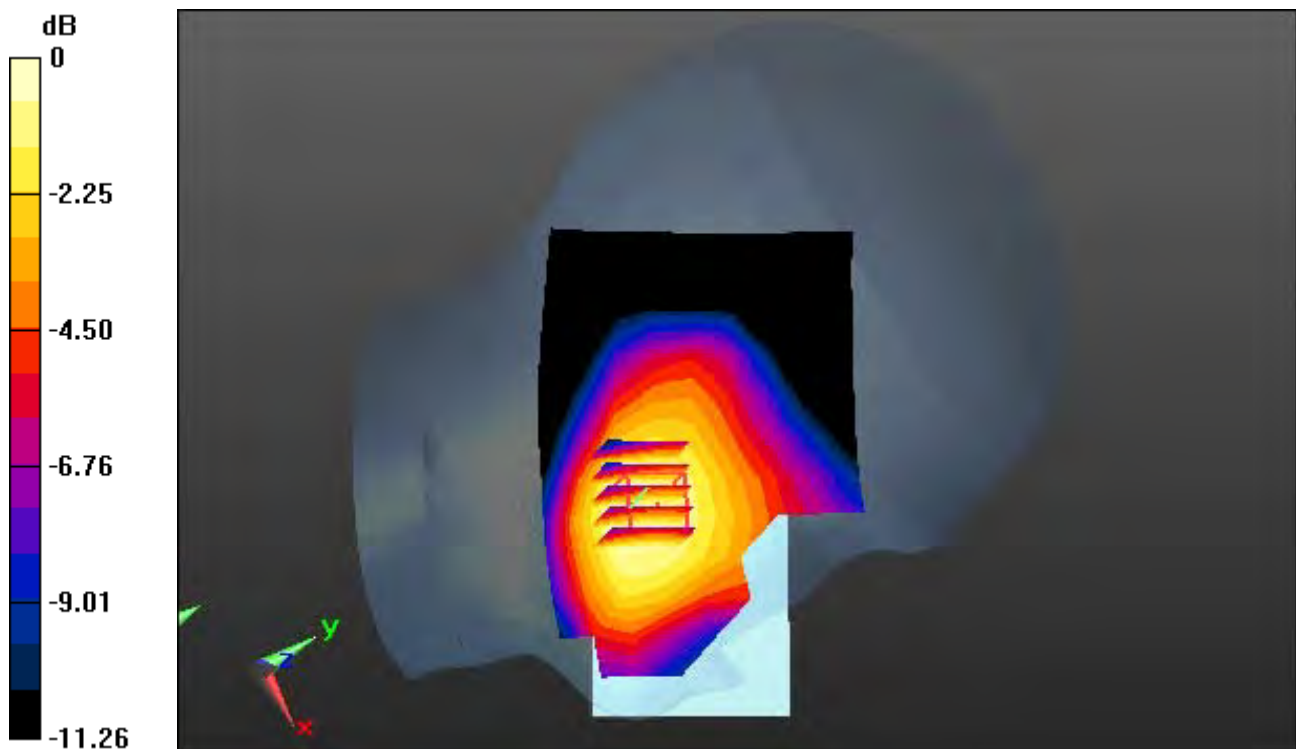
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.244 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.148 W/kg**



0 dB = 0.209 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 5 (FCC) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.89 \text{ S/m}$ ;  $\epsilon_r = 40.717$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.5, 6.5, 6.5); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-19; Ambient Temp: 21.7; Tissue Temp: 21.6

**Left Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

**With Enlarge Plot image**

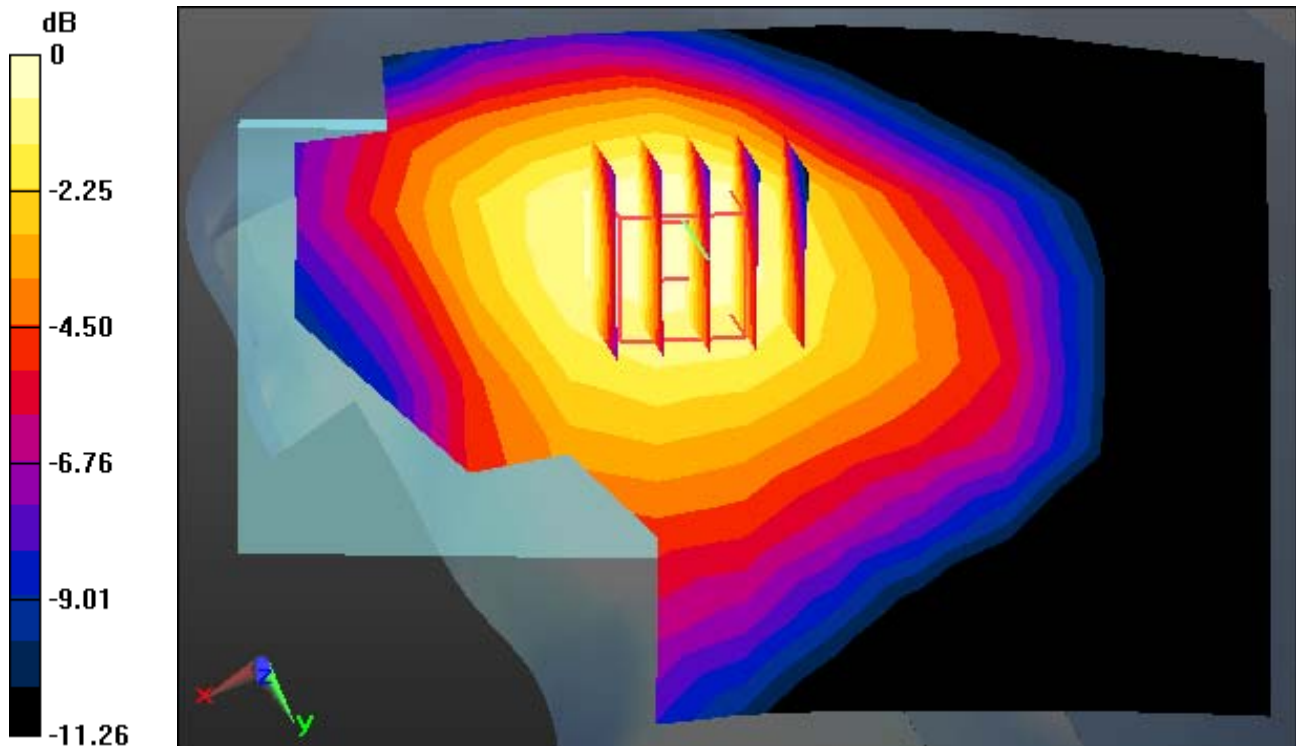
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.244 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.148 W/kg**



0 dB = 0.209 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.877 \text{ S/m}$ ;  $\epsilon_r = 39.145$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Touch, W-LAN(2.4G 802.11b) Ch. 11, Ant Internal, Standard Battery, Ant.1**

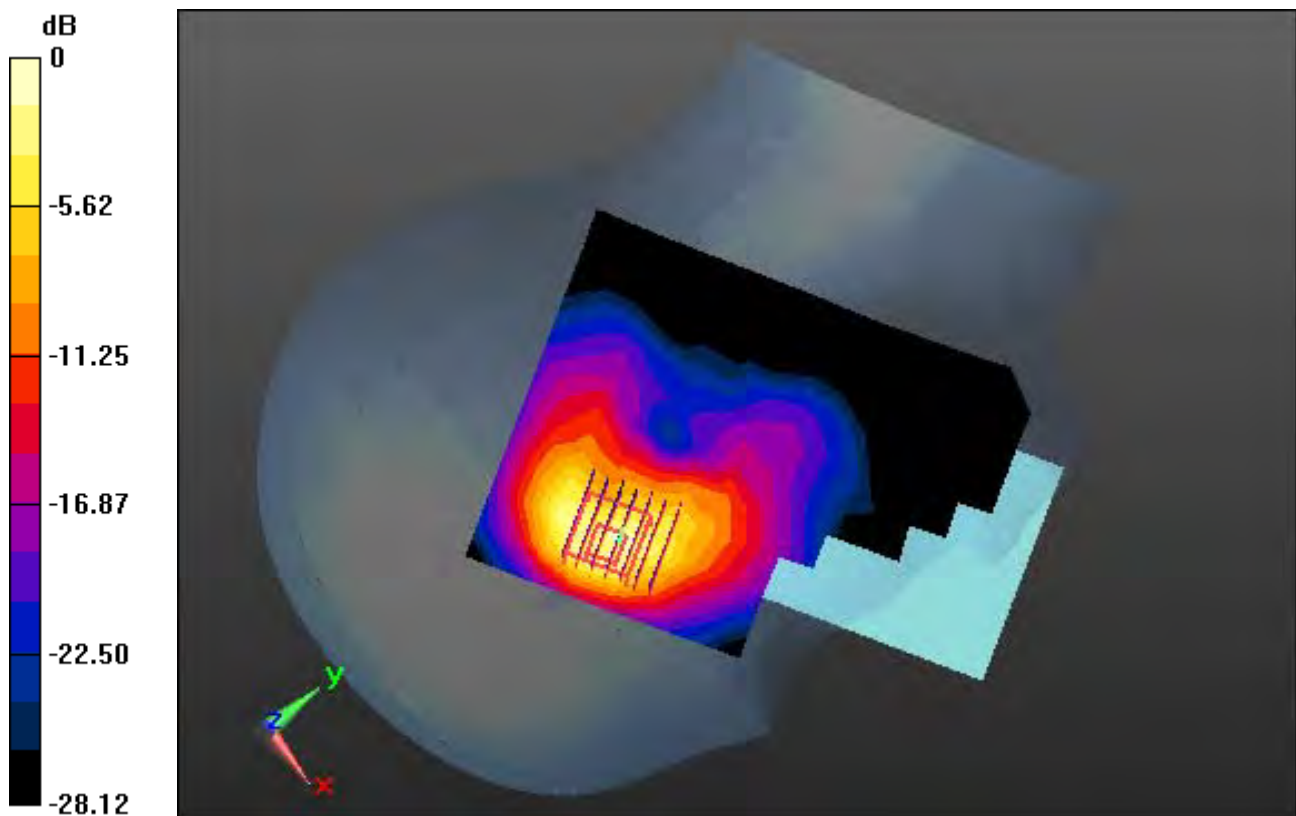
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.536 W/kg; SAR(10 g) = 0.212 W/kg**



0 dB = 0.757 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.877 \text{ S/m}$ ;  $\epsilon_r = 39.145$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Touch, W-LAN(2.4G 802.11b) Ch. 11, Ant Internal, Standard Battery, Ant.1**

### **With Enlarge Plot image**

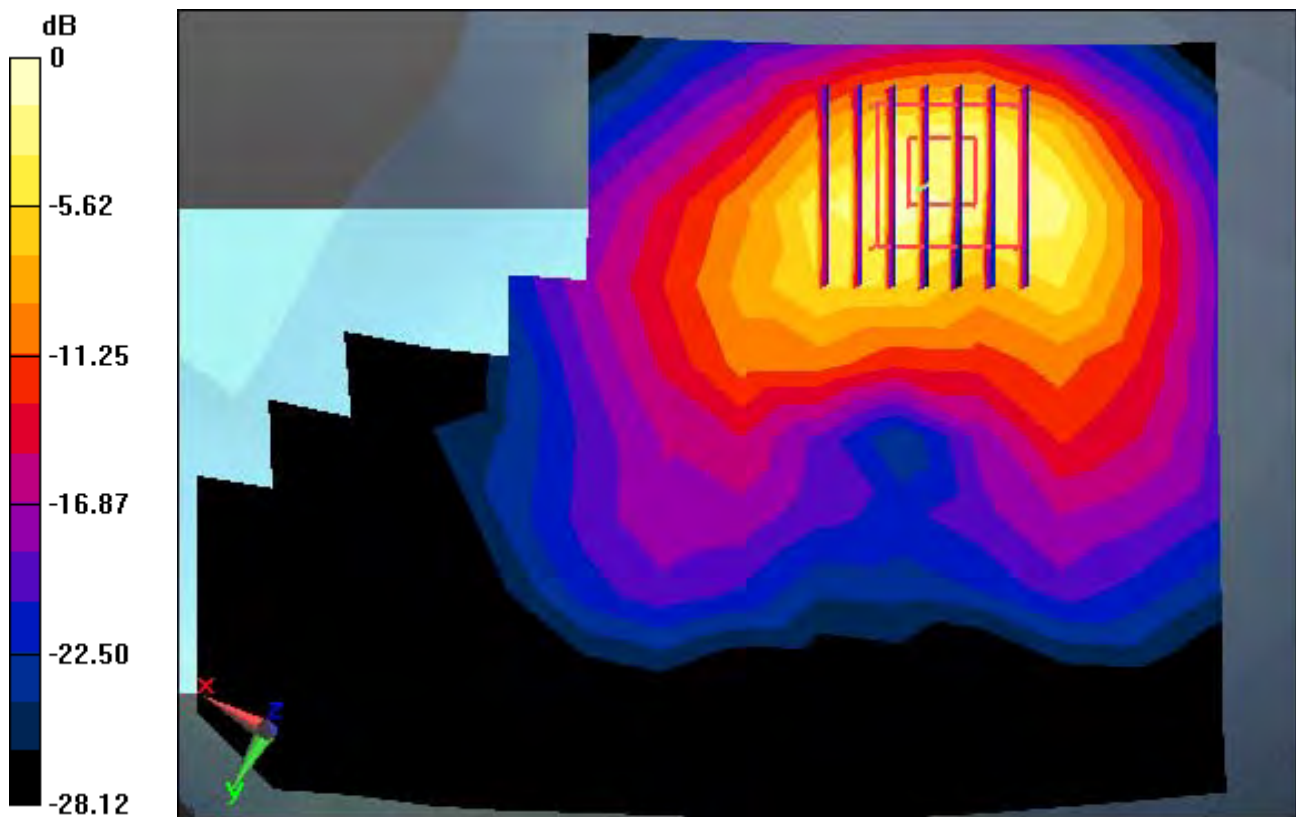
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.536 W/kg; SAR(10 g) = 0.212 W/kg**



0 dB = 0.757 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.82 \text{ S/m}$ ;  $\epsilon_r = 39.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Touch, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, Standard Battery, Ant.2**

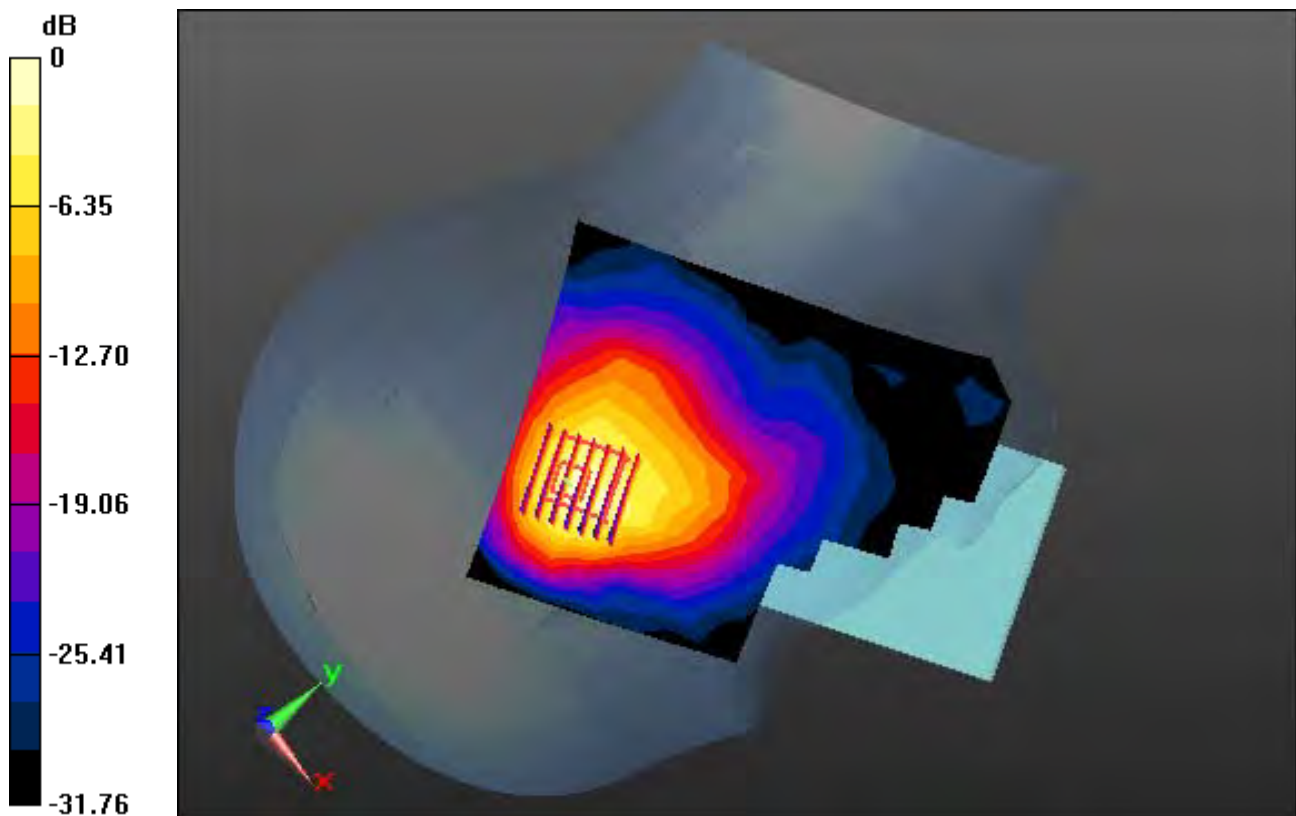
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.341 W/kg**



## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.82 \text{ S/m}$ ;  $\epsilon_r = 39.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Touch, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, Standard Battery, Ant.2**

### **With Enlarge Plot image**

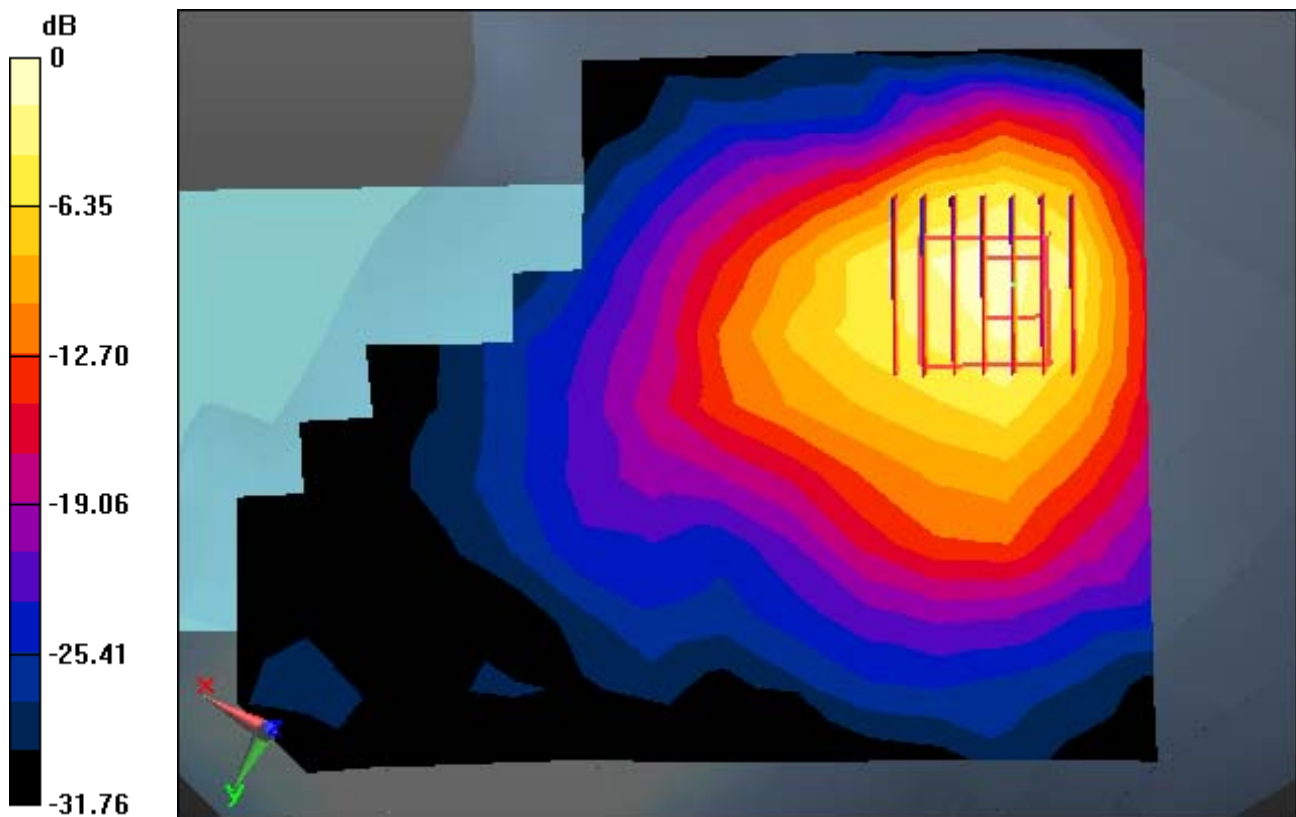
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.341 W/kg**



0 dB = 1.09 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.82 \text{ S/m}$ ;  $\epsilon_r = 39.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Tilt, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, Standard Battery, MIMO**

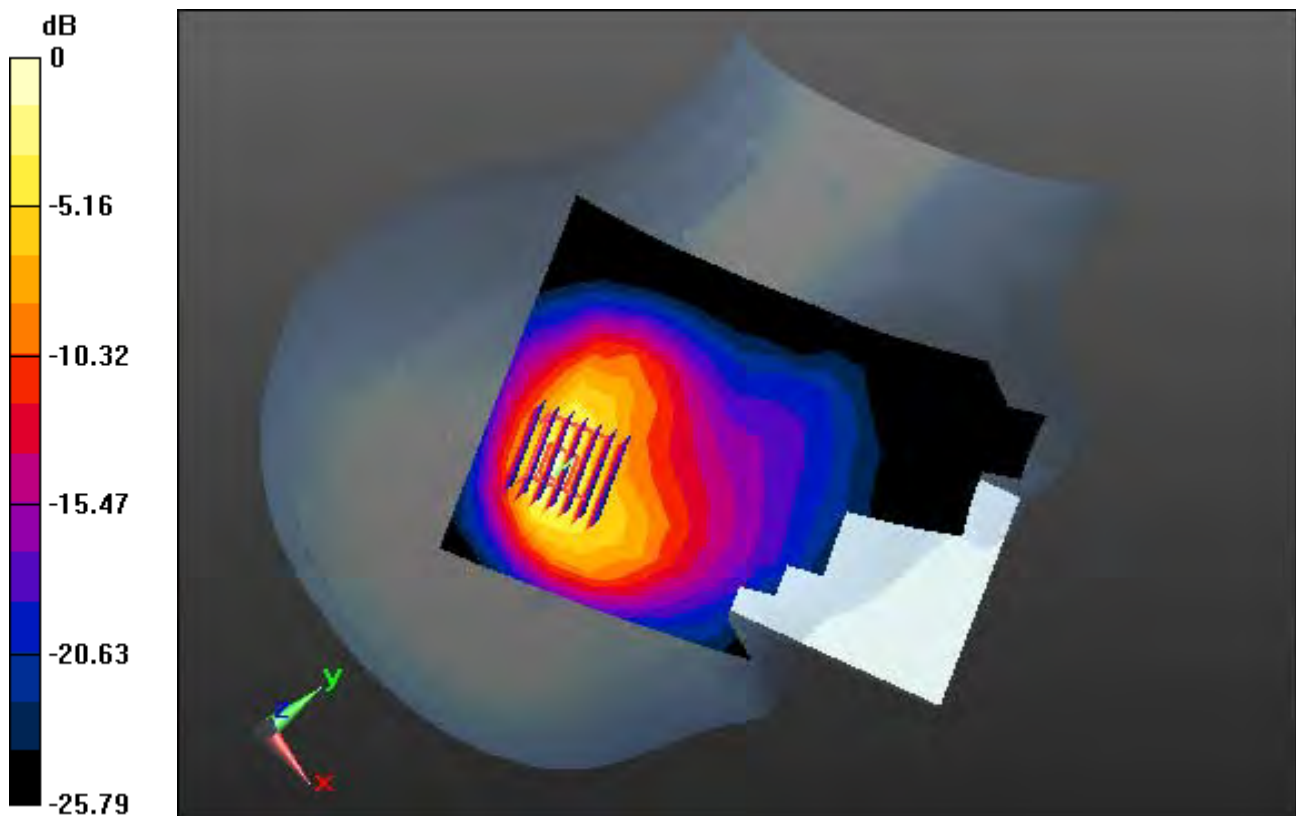
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.08 W/kg

**SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.307 W/kg**



0 dB = 1.12 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.82 \text{ S/m}$ ;  $\epsilon_r = 39.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Tilt, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, Standard Battery, MIMO**

**With Enlarge Plot image**

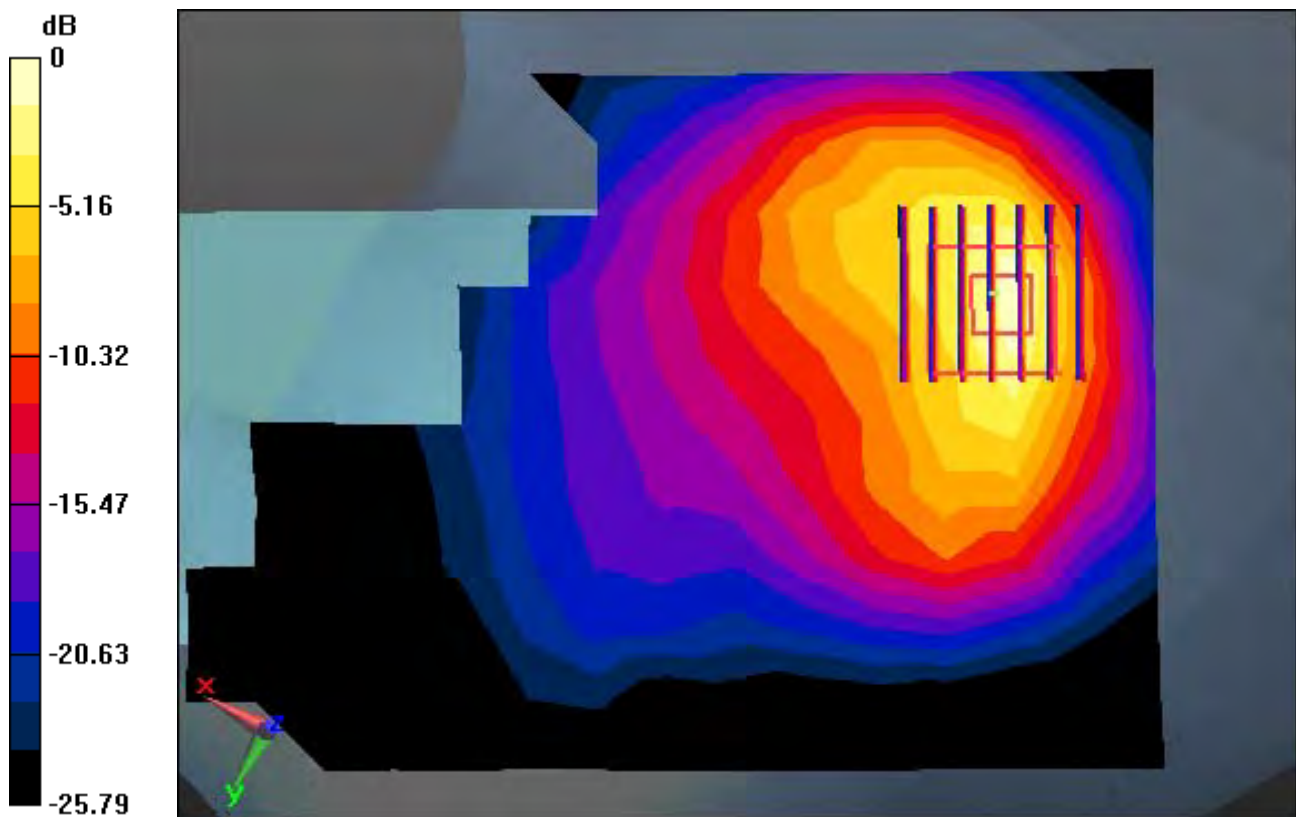
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.08 W/kg

**SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.307 W/kg**



0 dB = 1.12 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.855 \text{ S/m}$ ;  $\epsilon_r = 39.198$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Touch, Bluetooth(BDR 1M) Ch. 39, Ant Internal, Standard Battery**

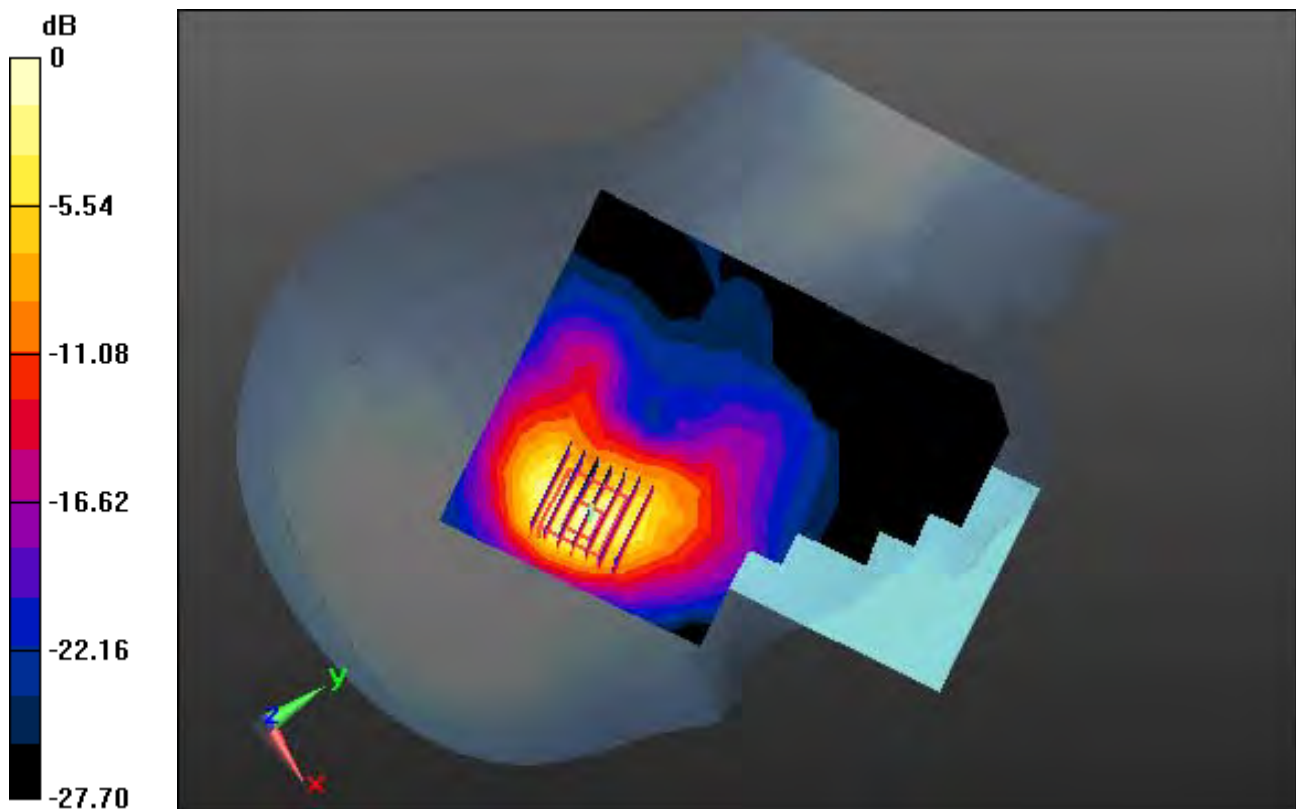
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.587 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.078 W/kg**



0 dB = 0.287 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.855 \text{ S/m}$ ;  $\epsilon_r = 39.198$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.72, 4.72, 4.72); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-09; Ambient Temp: 21.5; Tissue Temp: 22.0

**Right Touch, Bluetooth(BDR 1M) Ch. 39, Ant Internal, Standard Battery**

### **With Enlarge Plot image**

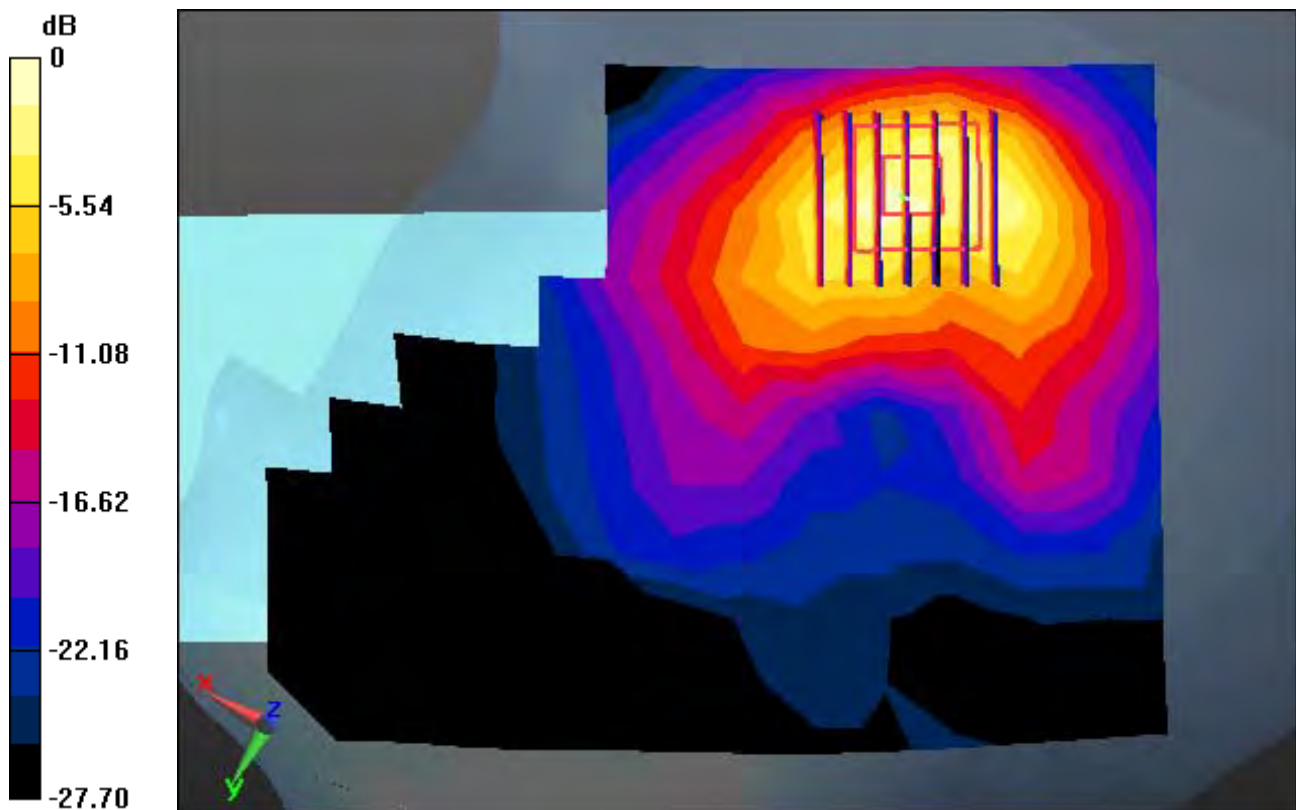
**Area Scan (11x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.587 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.078 W/kg**



0 dB = 0.287 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 4.793 \text{ S/m}$ ;  $\epsilon_r = 36.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.24, 5.24, 5.24); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-26; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Tilt, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Standard Battery, Ant.1**

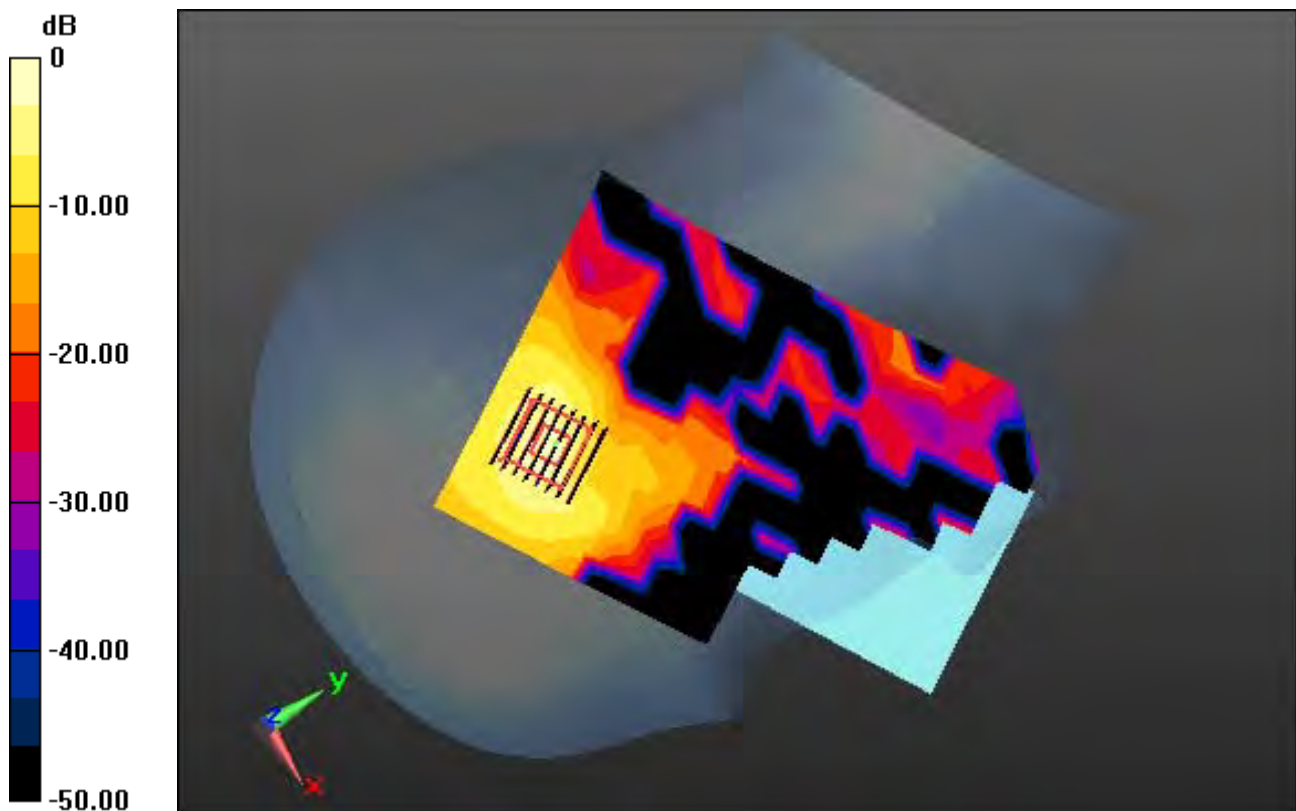
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.043 W/kg**



0 dB = 0.405 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 4.793 \text{ S/m}$ ;  $\epsilon_r = 36.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.24, 5.24, 5.24); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-26; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Tilt, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Standard Battery, Ant.1**

**With Enlarge Plot image**

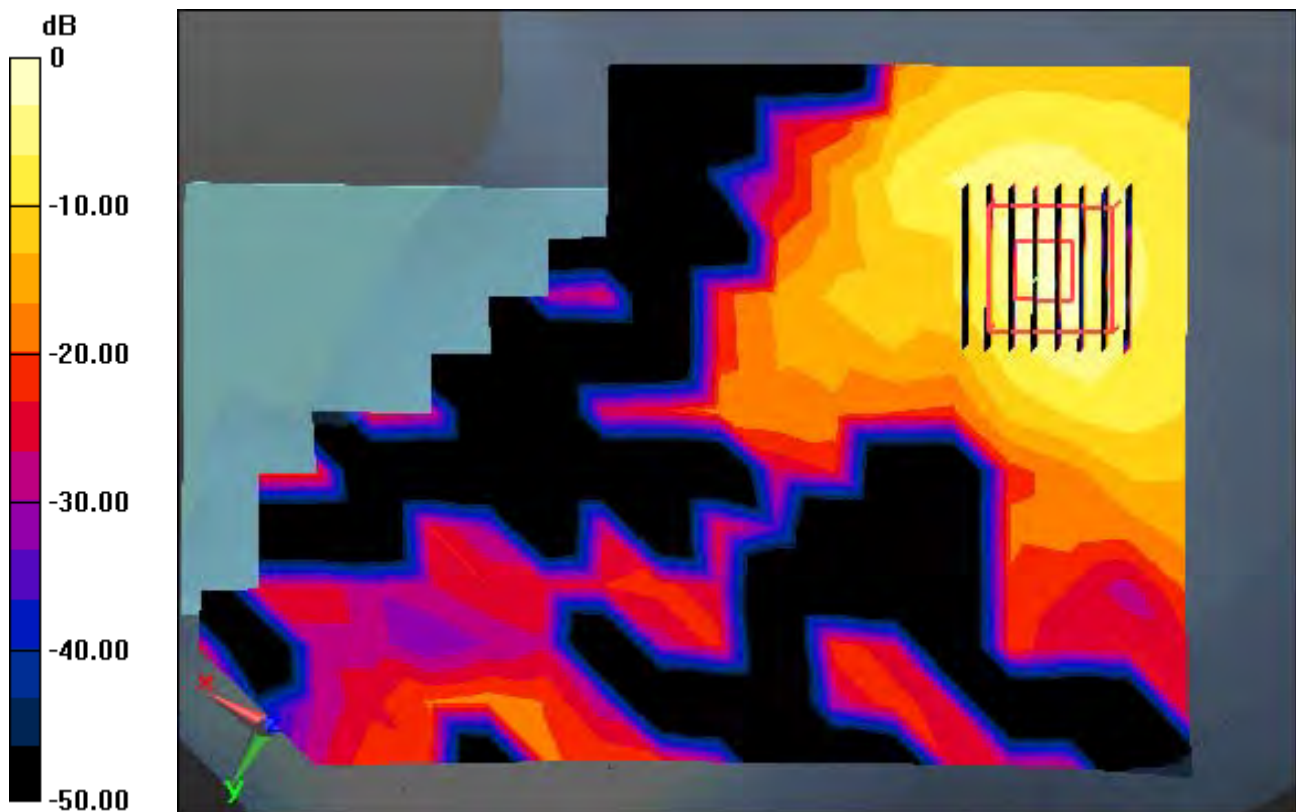
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.043 W/kg**



0 dB = 0.405 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 4.793 \text{ S/m}$ ;  $\epsilon_r = 36.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.24, 5.24, 5.24); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-26; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Touch, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Standard Battery, Ant.2**

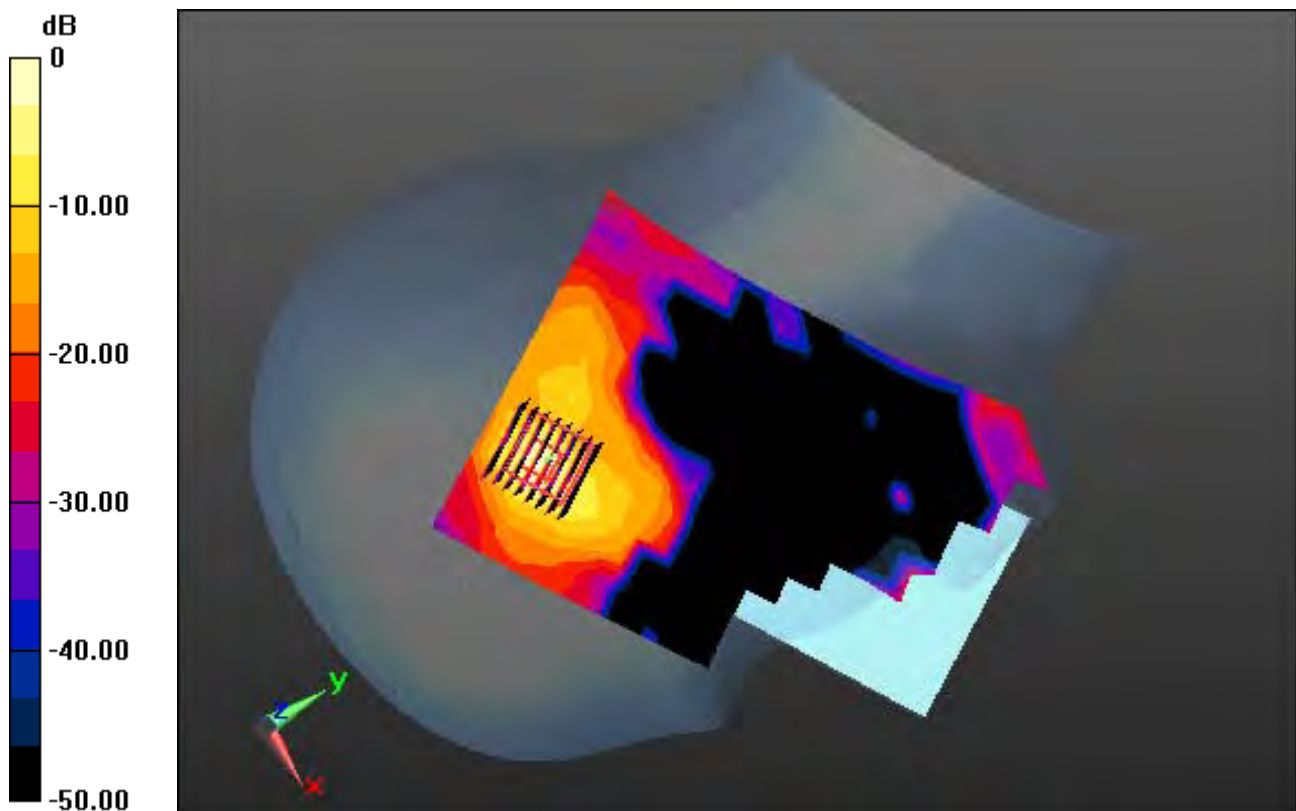
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.156 W/kg



0 dB = 1.76 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 4.793 \text{ S/m}$ ;  $\epsilon_r = 36.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.24, 5.24, 5.24); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-26; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Touch, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Standard Battery, Ant.2**

### **With Enlarge Plot image**

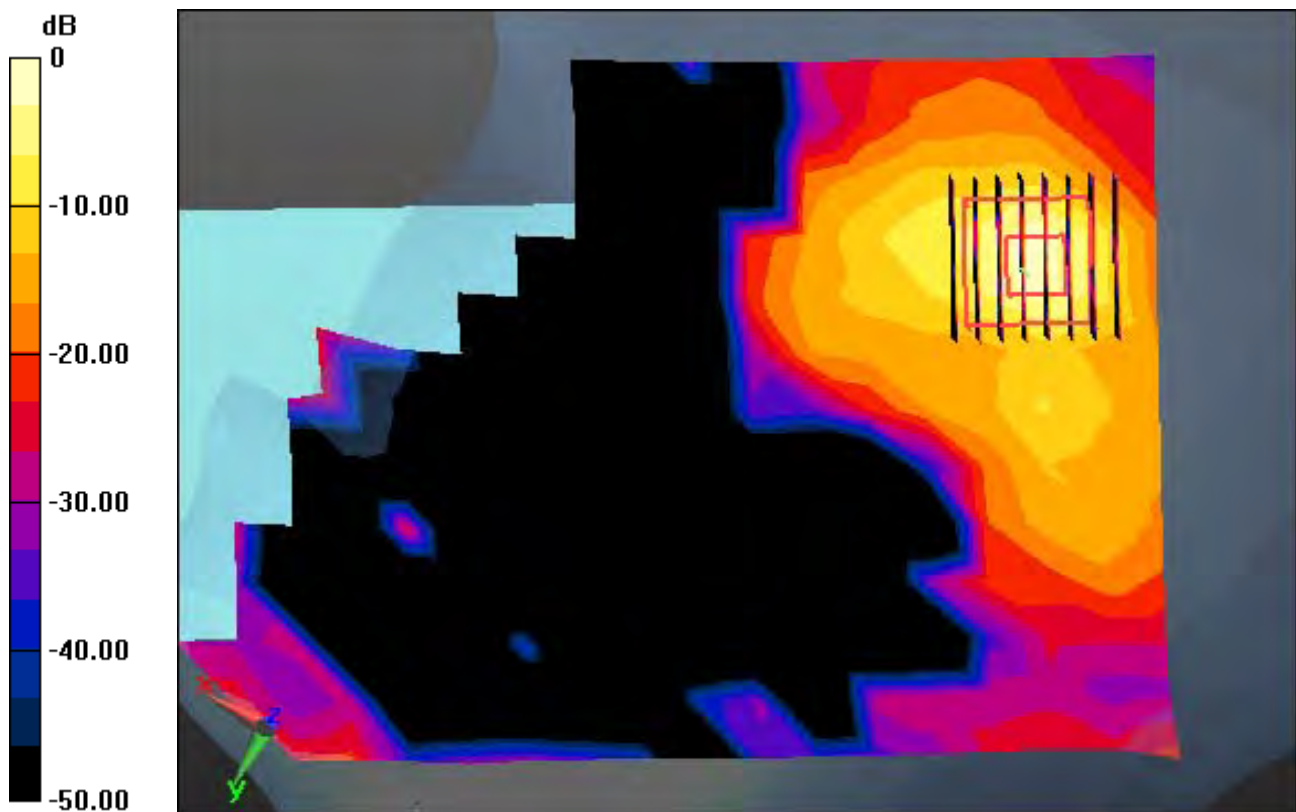
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.96 W/kg

**SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.156 W/kg**



0 dB = 1.76 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 4.793 \text{ S/m}$ ;  $\epsilon_r = 36.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.24, 5.24, 5.24); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-26; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Tilt, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Standard Battery, MIMO**

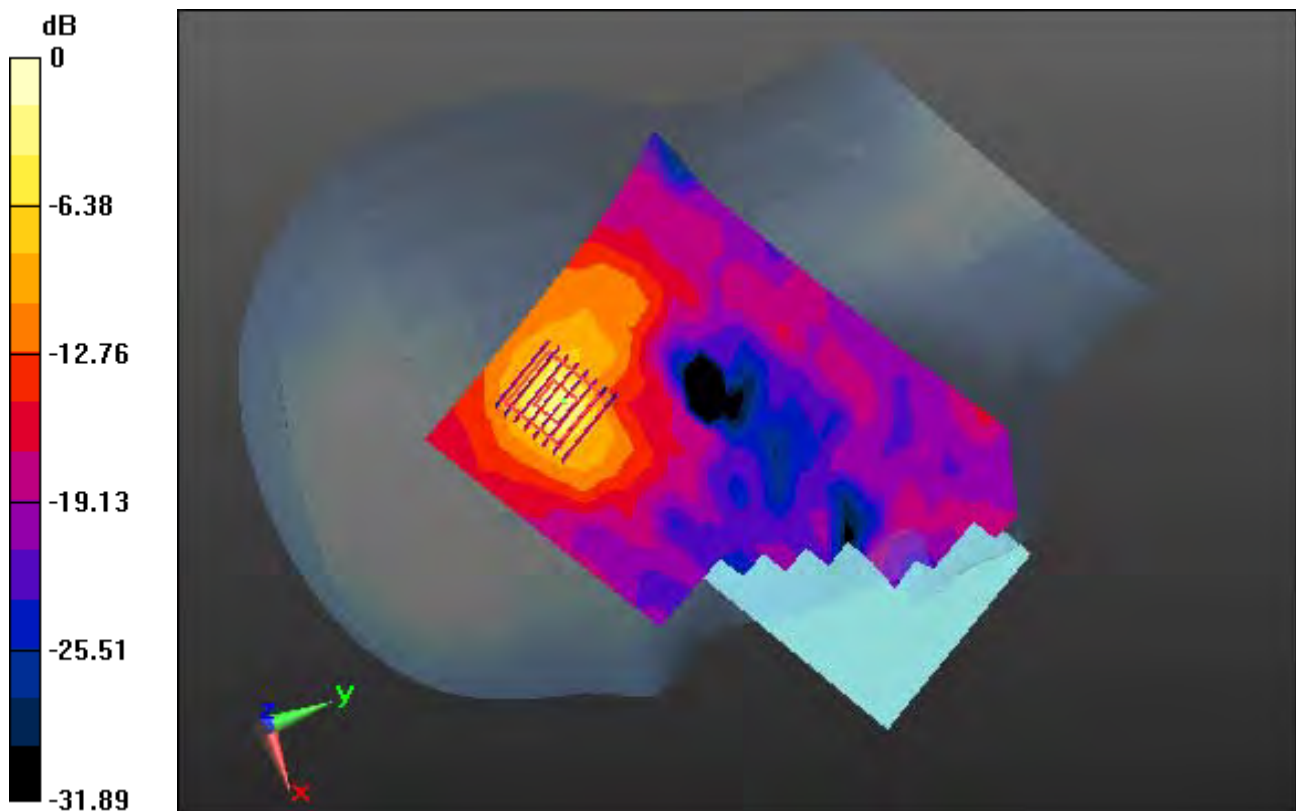
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 0.683 W/kg; SAR(10 g) = 0.185 W/kg



0 dB = 1.64 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 4.793 \text{ S/m}$ ;  $\epsilon_r = 36.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.24, 5.24, 5.24); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-26; Ambient Temp: 21.4; Tissue Temp: 21.9

**Right Tilt, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Standard Battery, MIMO**

**With Enlarge Plot image**

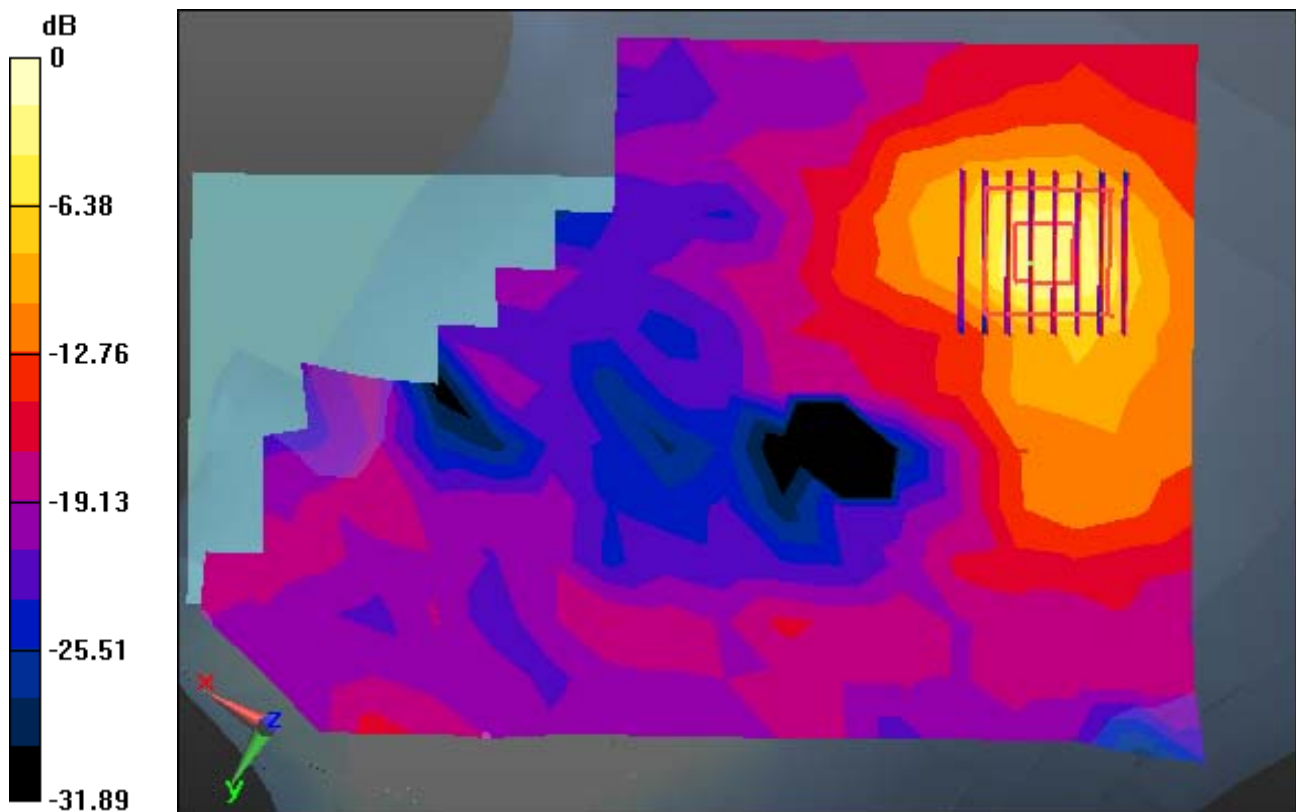
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.02 W/kg

**SAR(1 g) = 0.683 W/kg; SAR(10 g) = 0.185 W/kg**



0 dB = 1.64 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.071 \text{ S/m}$ ;  $\epsilon_r = 35.338$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.86, 4.86, 4.86); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-28; Ambient Temp: 21.3; Tissue Temp: 22.0

**Right Touch, W-LAN(5.6G 802.11a) Ch. 116, Ant Internal, Standard Battery, Ant.1**

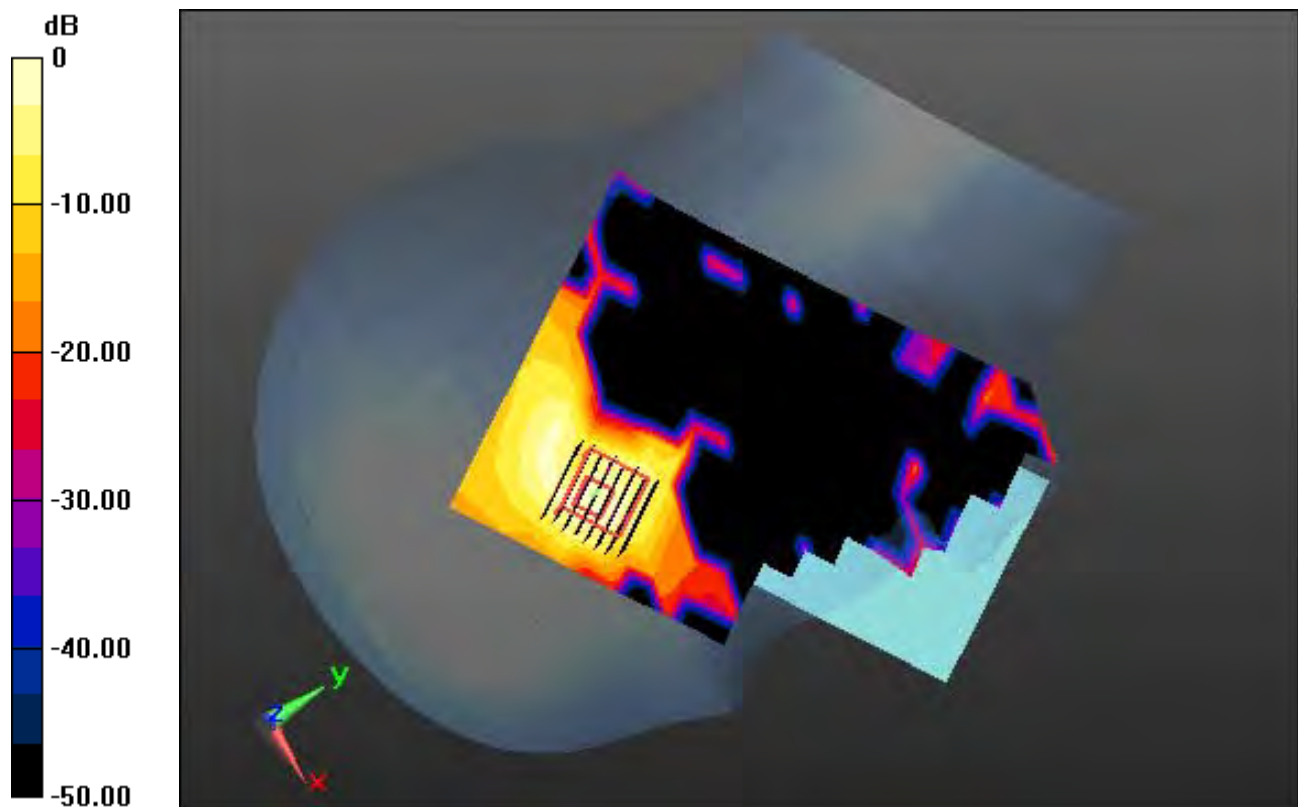
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.845 W/kg

**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.055 W/kg**



0 dB = 0.540 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.071 \text{ S/m}$ ;  $\epsilon_r = 35.338$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.86, 4.86, 4.86); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-28; Ambient Temp: 21.3; Tissue Temp: 22.0

**Right Touch, W-LAN(5.6G 802.11a) Ch. 116, Ant Internal, Standard Battery, Ant.1**

**With Enlarge Plot image**

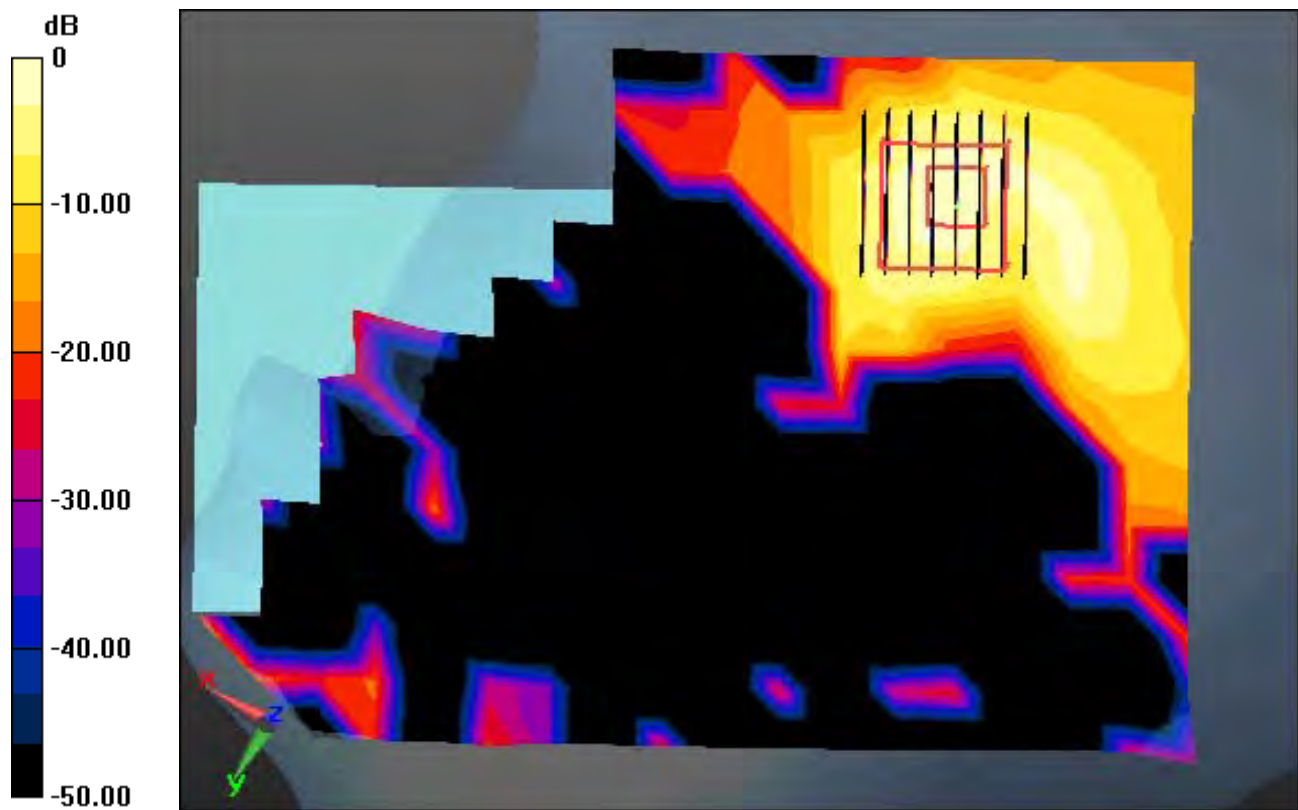
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.845 W/kg

**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.055 W/kg**



0 dB = 0.540 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.162 \text{ S/m}$ ;  $\epsilon_r = 35.211$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.86, 4.86, 4.86); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-28; Ambient Temp: 21.3; Tissue Temp: 22.0

**Right Touch, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Standard Battery, Ant.2**

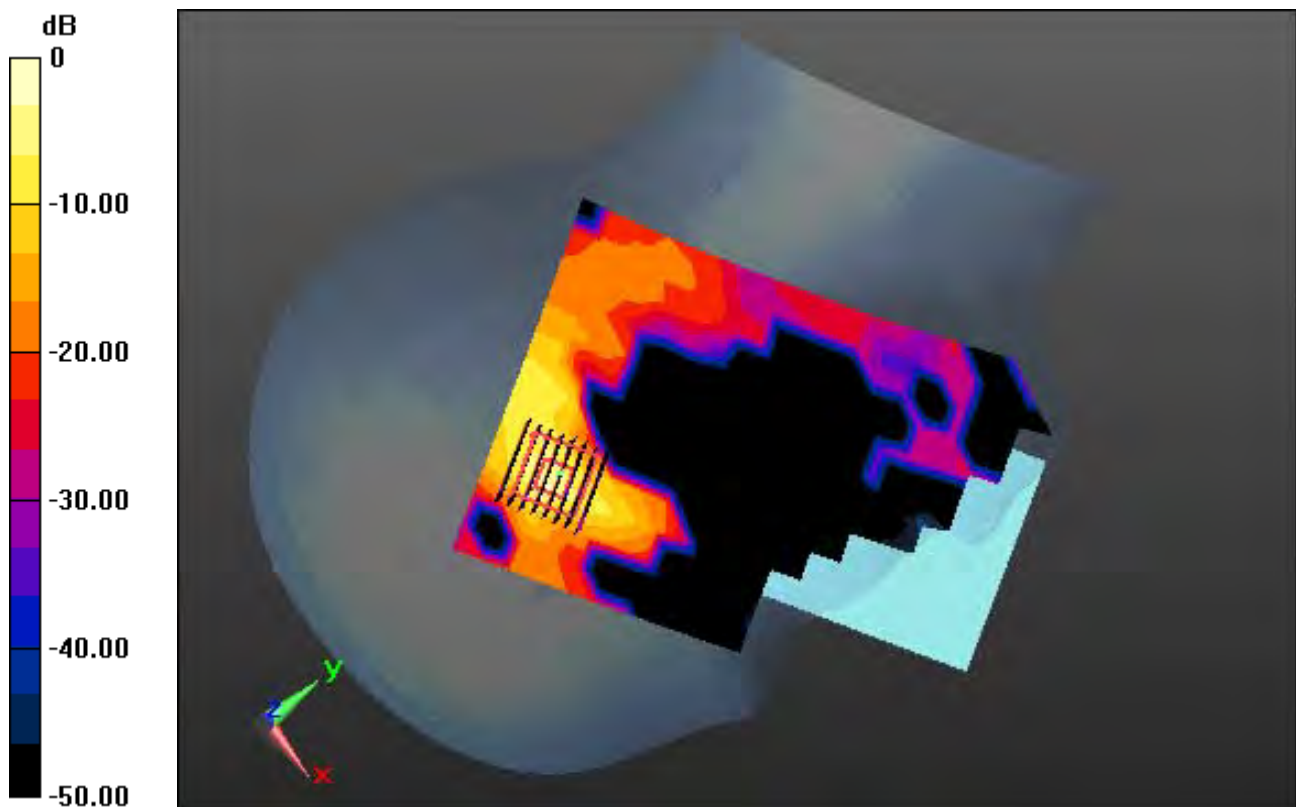
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.67 W/kg

SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.101 W/kg



0 dB = 1.55 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.162 \text{ S/m}$ ;  $\epsilon_r = 35.211$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.86, 4.86, 4.86); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-28; Ambient Temp: 21.3; Tissue Temp: 22.0

**Right Touch, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Standard Battery, Ant.2**

### **With Enlarge Plot image**

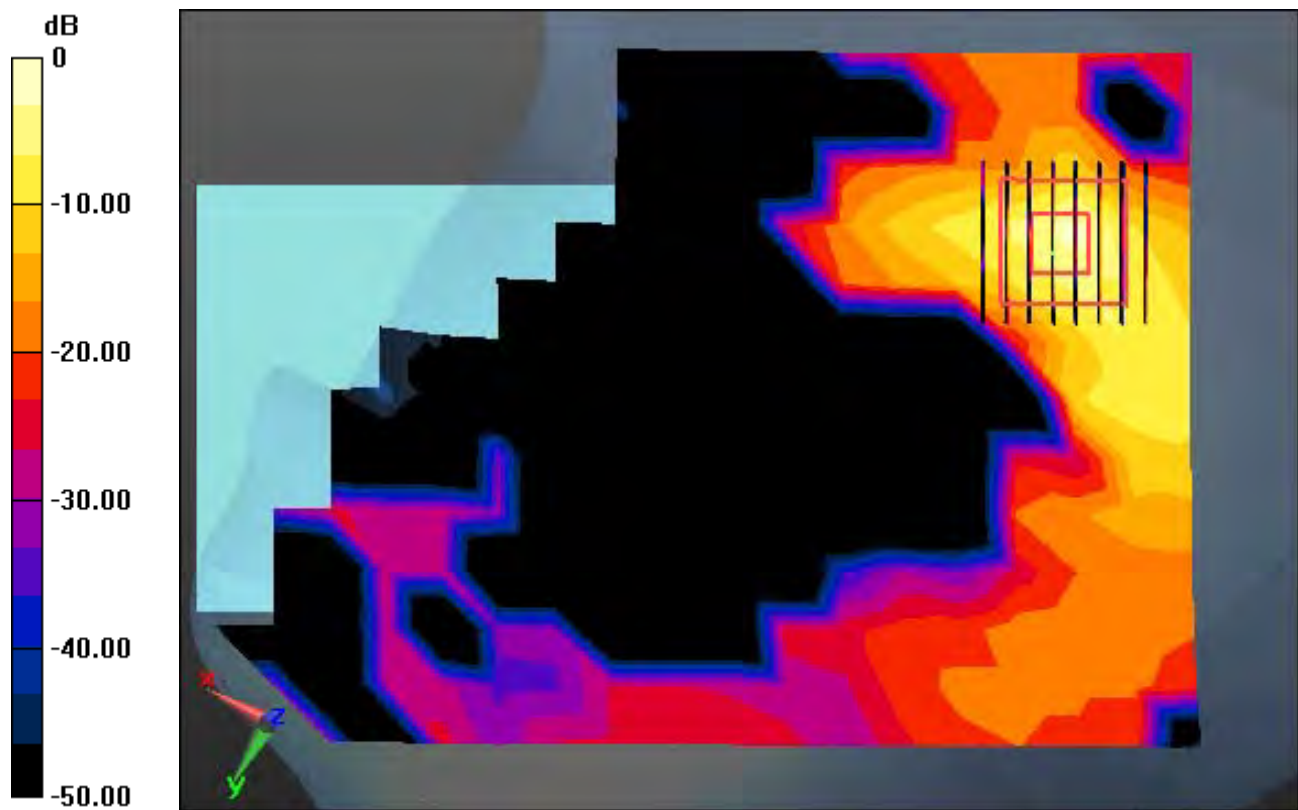
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.67 W/kg

**SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.101 W/kg**



0 dB = 1.55 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.162 \text{ S/m}$ ;  $\epsilon_r = 35.211$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.86, 4.86, 4.86); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-28; Ambient Temp: 21.3; Tissue Temp: 22.0

**Right Tilt, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Standard Battery, MIMO**

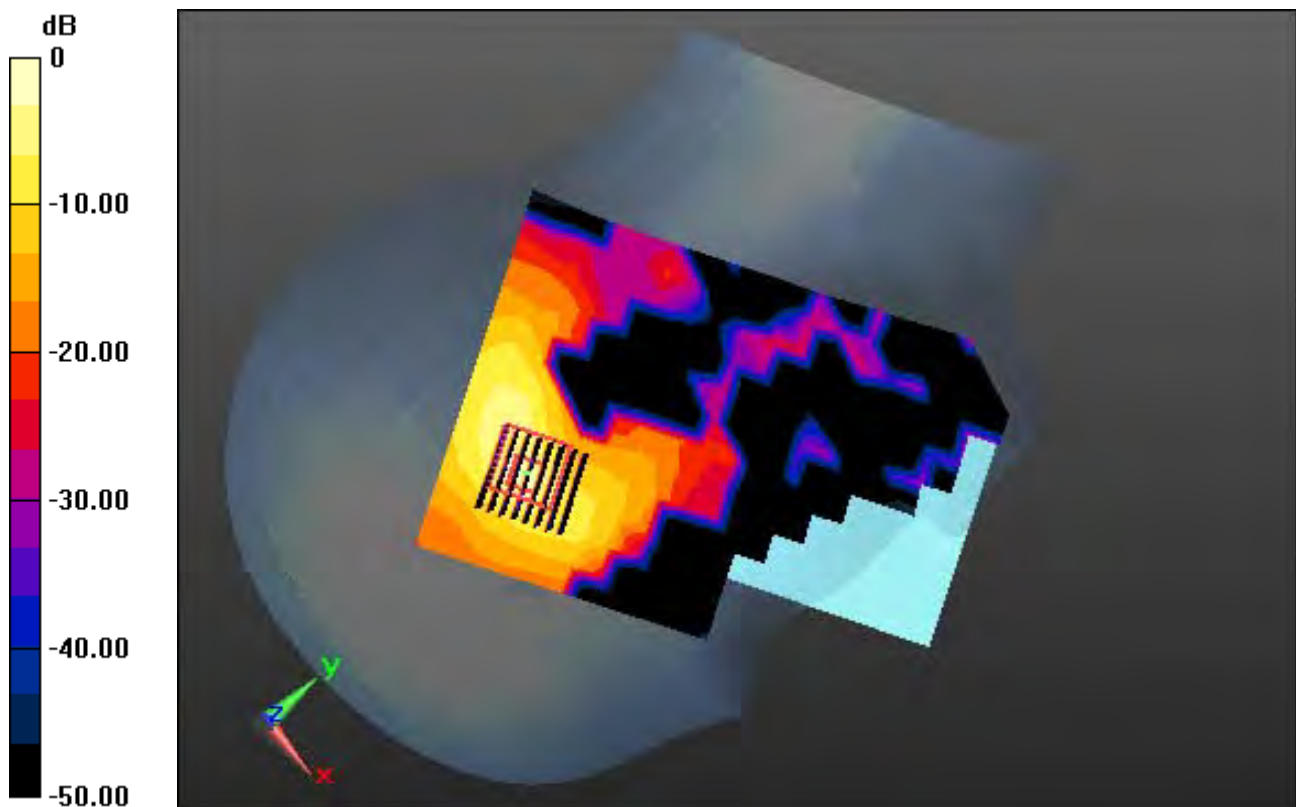
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.123 W/kg



0 dB = 1.36 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.162 \text{ S/m}$ ;  $\epsilon_r = 35.211$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.86, 4.86, 4.86); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-28; Ambient Temp: 21.3; Tissue Temp: 22.0

**Right Tilt, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Standard Battery, MIMO**

**With Enlarge Plot image**

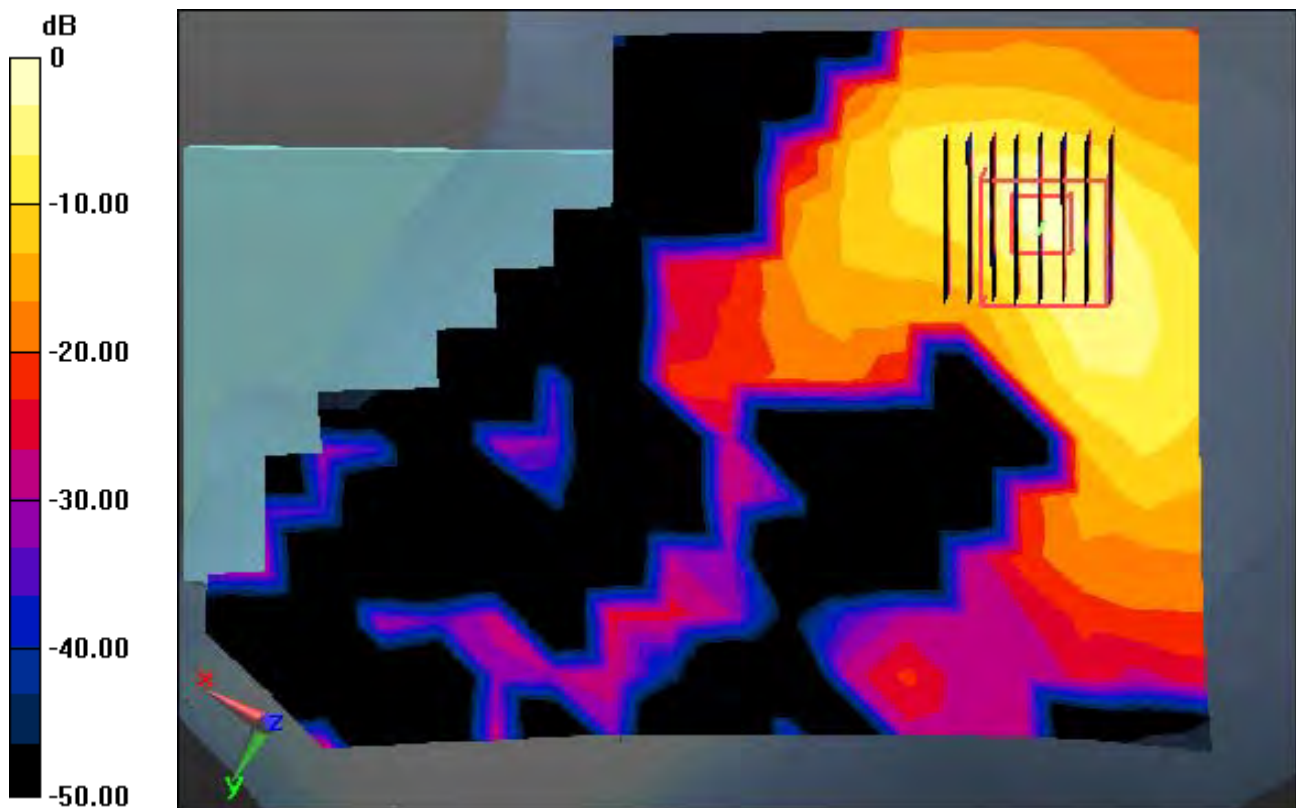
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.123 W/kg**



0 dB = 1.36 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.215 \text{ S/m}$ ;  $\epsilon_r = 34.411$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.83, 4.83, 4.83); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-03; Ambient Temp: 21.6; Tissue Temp: 22.1

**Right Touch, W-LAN(5.8G 802.11a) Ch. 149, Ant Internal, Standard Battery, Ant.1**

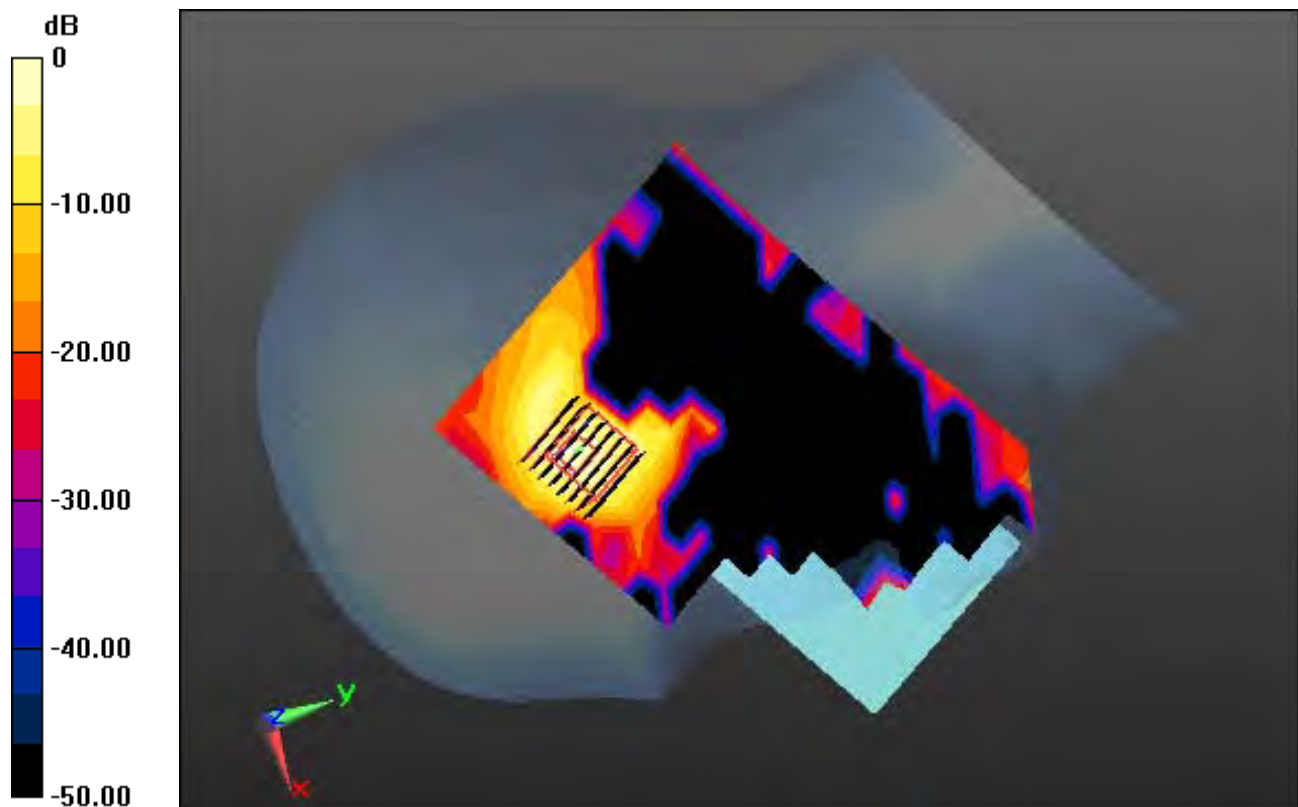
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.082 W/kg



0 dB = 0.815 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.215 \text{ S/m}$ ;  $\epsilon_r = 34.411$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.83, 4.83, 4.83); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-03; Ambient Temp: 21.6; Tissue Temp: 22.1

**Right Touch, W-LAN(5.8G 802.11a) Ch. 149, Ant Internal, Standard Battery, Ant.1**

**With Enlarge Plot image**

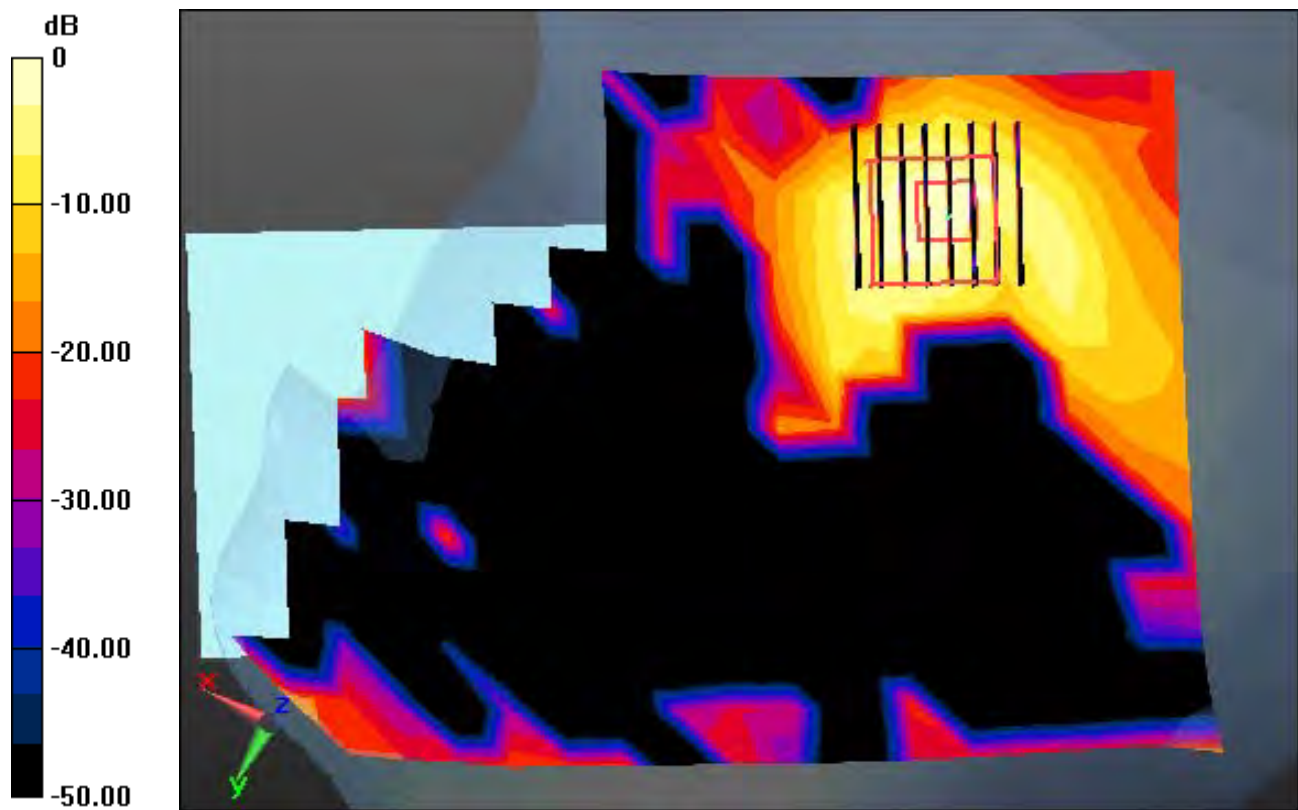
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.77 W/kg

**SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.082 W/kg**



0 dB = 0.815 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.307 \text{ S/m}$ ;  $\epsilon_r = 34.268$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.83, 4.83, 4.83); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-03; Ambient Temp: 21.6; Tissue Temp: 22.1

**Left Tilt, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, Standard Battery, Ant.2**

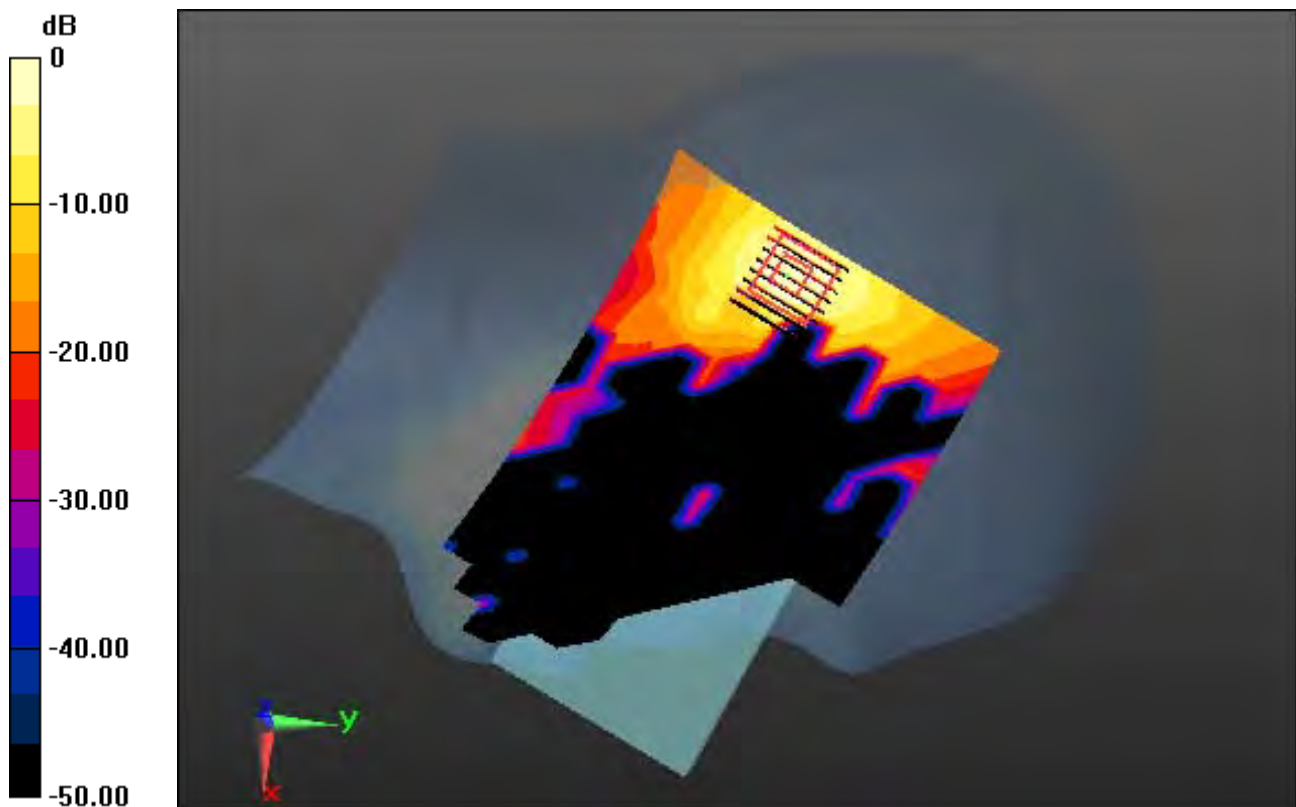
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.108 W/kg



0 dB = 0.710 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.307 \text{ S/m}$ ;  $\epsilon_r = 34.268$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.83, 4.83, 4.83); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-03; Ambient Temp: 21.6; Tissue Temp: 22.1

**Left Tilt, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, Standard Battery, Ant.2**

**With Enlarge Plot image**

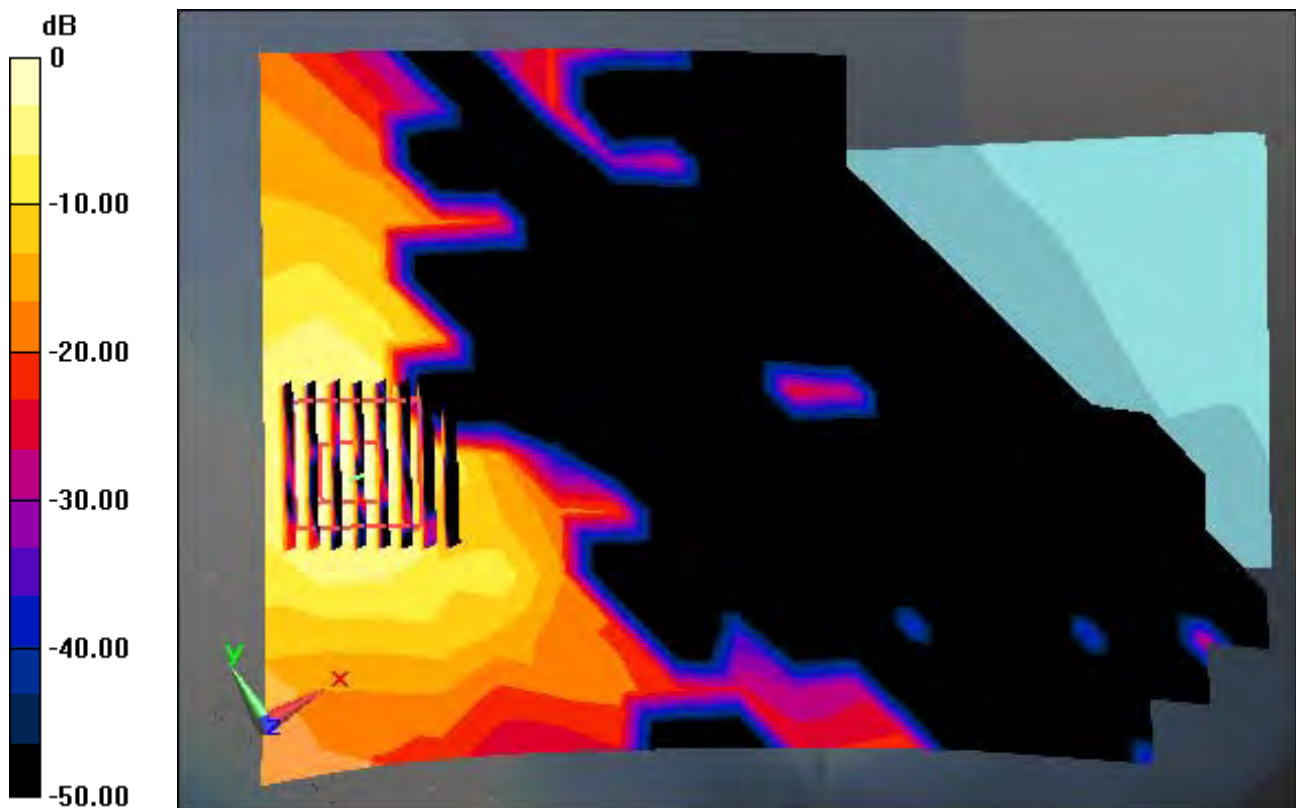
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.108 W/kg**



0 dB = 0.710 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.307 \text{ S/m}$ ;  $\epsilon_r = 34.268$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.83, 4.83, 4.83); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-03; Ambient Temp: 21.6; Tissue Temp: 22.1

**Right Touch, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, Standard Battery, MIMO**

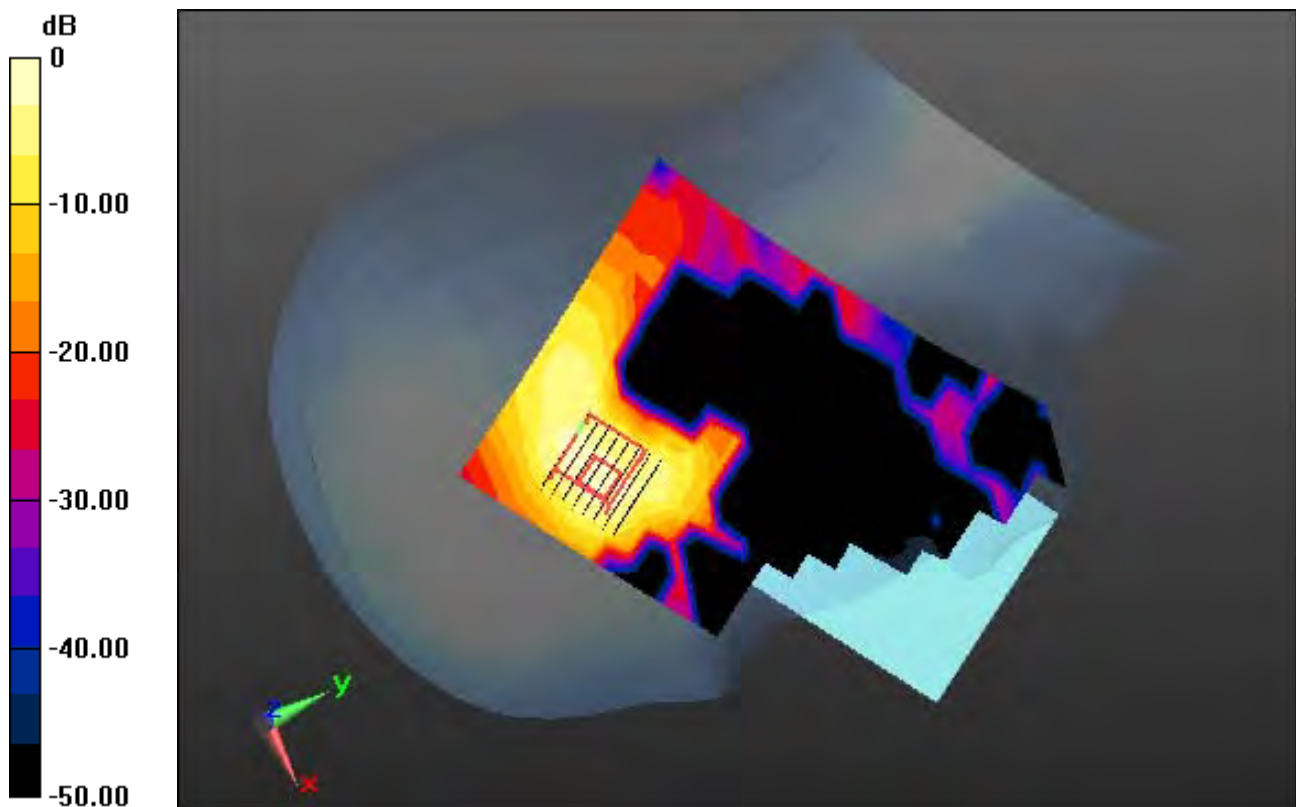
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.126 W/kg



0 dB = 1.08 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.307 \text{ S/m}$ ;  $\epsilon_r = 34.268$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.83, 4.83, 4.83); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-03; Ambient Temp: 21.6; Tissue Temp: 22.1

**Right Touch, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, Standard Battery, MIMO**

### **With Enlarge Plot image**

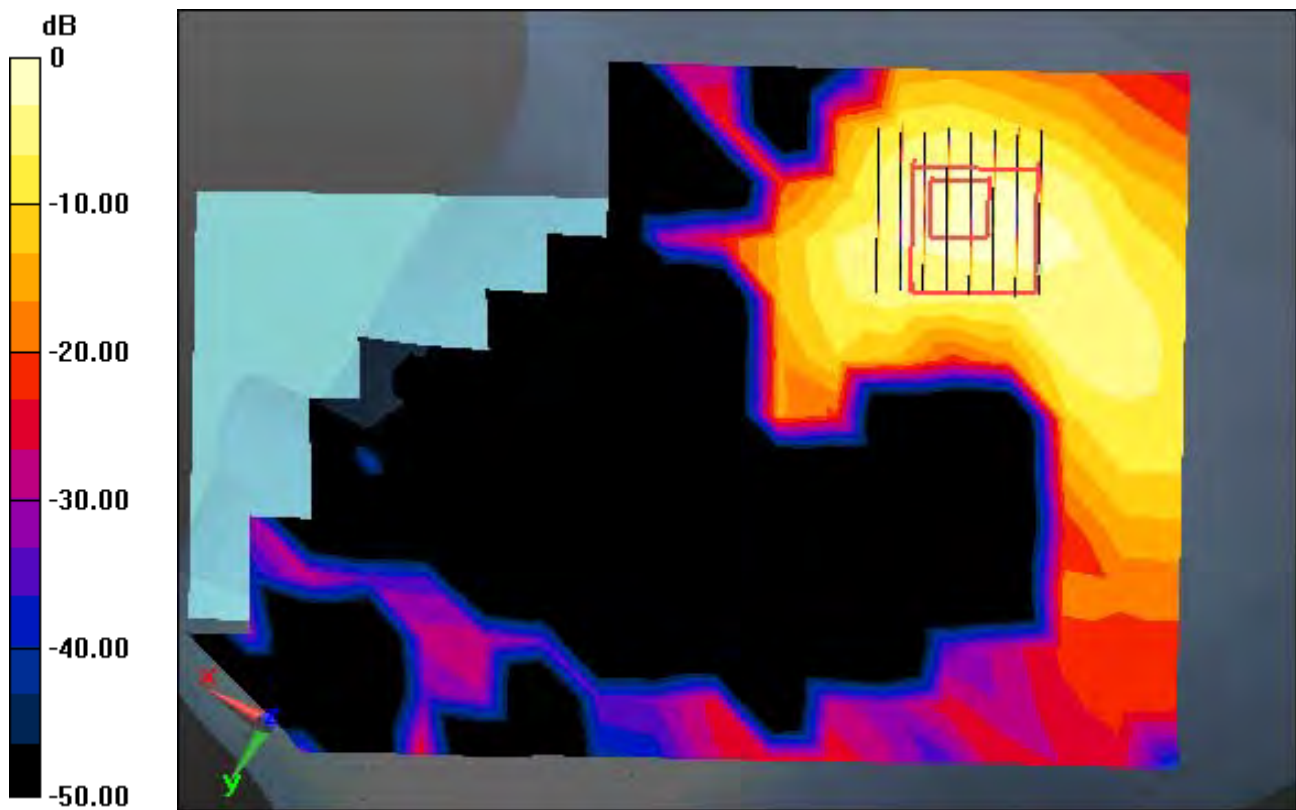
**Area Scan (13x20x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.93 W/kg

**SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.126 W/kg**



0 dB = 1.08 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 53.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-18; Ambient Temp: 21.9; Tissue Temp: 21.7

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

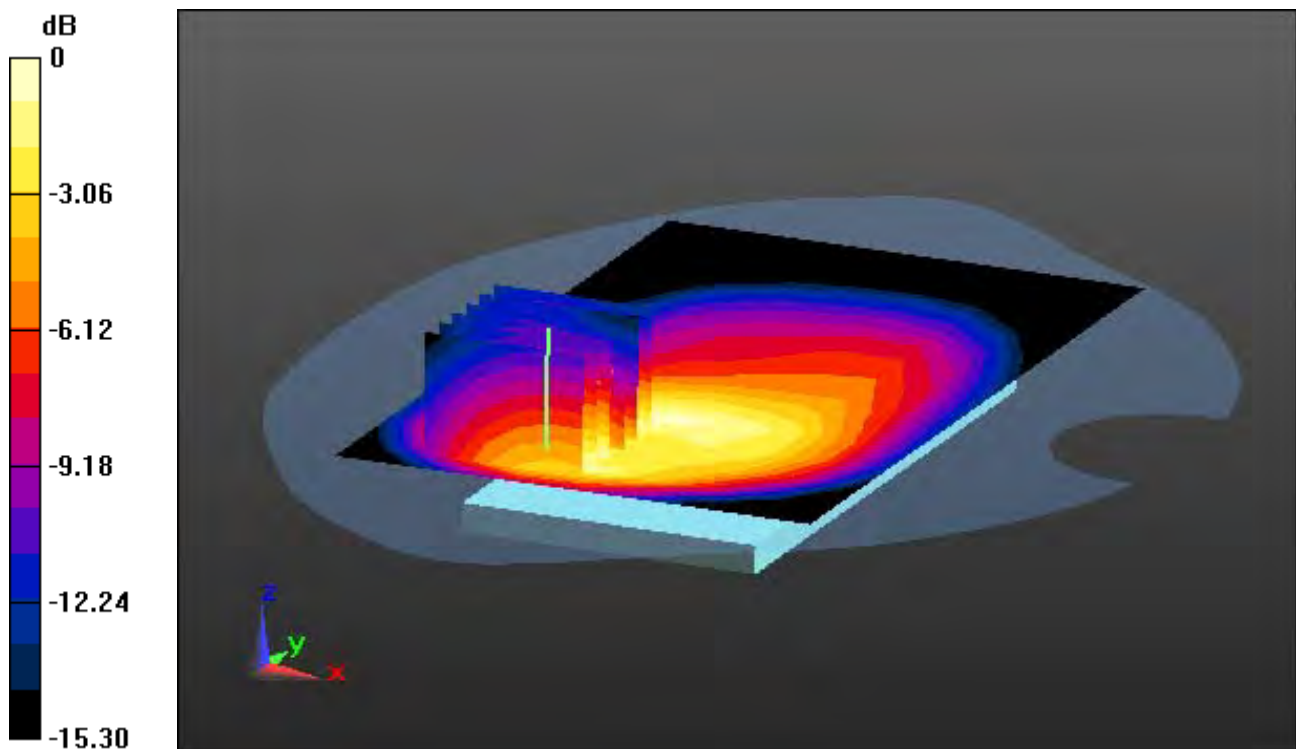
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.891 W/kg

**SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.297 W/kg**



0 dB = 0.627 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 53.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-18; Ambient Temp: 21.9; Tissue Temp: 21.7

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

**With Enlarge Plot image**

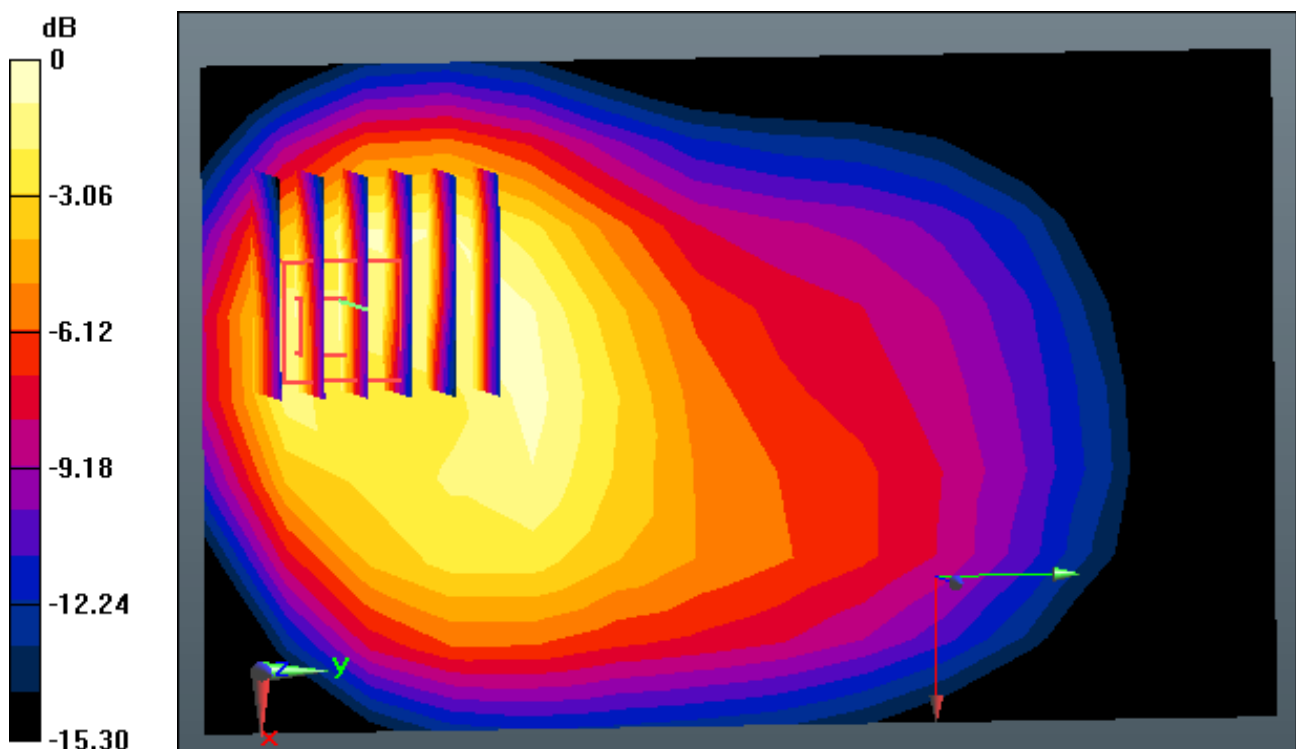
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.891 W/kg

**SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.297 W/kg**



## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850\_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 53.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-18; Ambient Temp: 21.9; Tissue Temp: 21.7

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant. Internal**

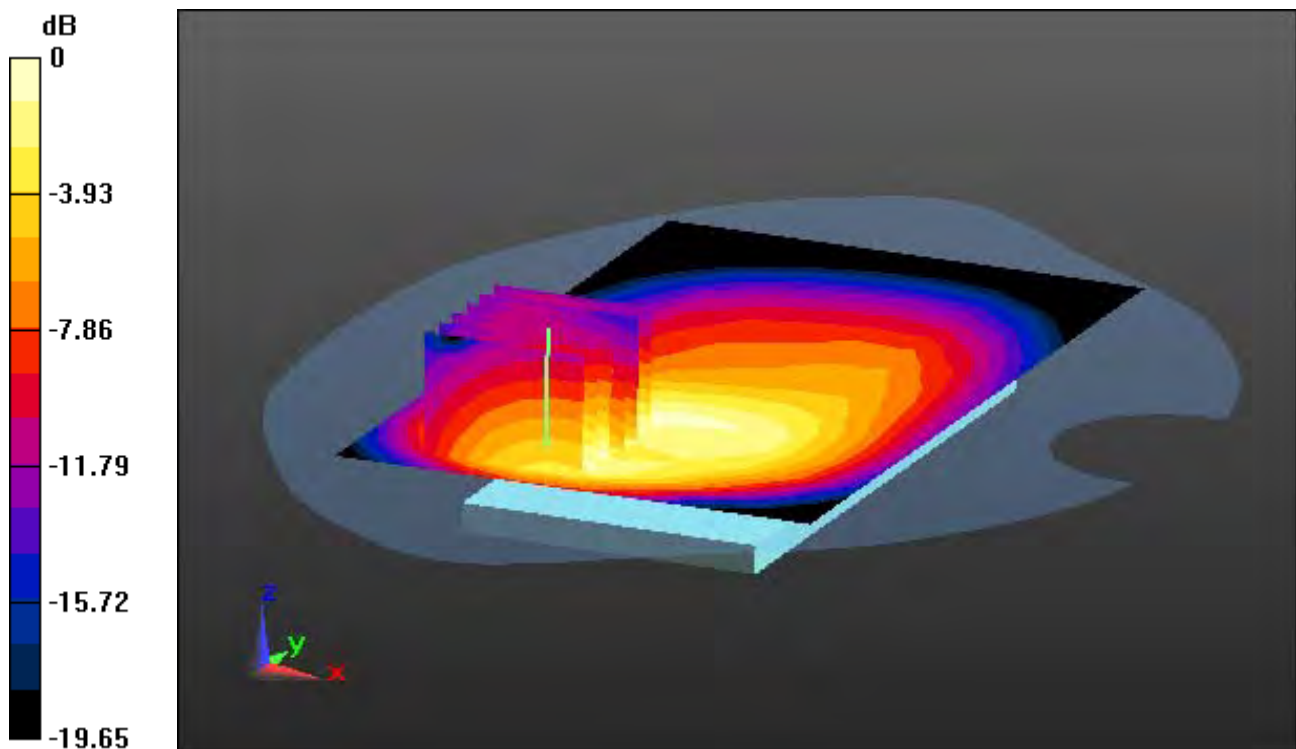
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.322 W/kg**



0 dB = 0.671 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, GSM 850\_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 53.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-18; Ambient Temp: 21.9; Tissue Temp: 21.7

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant. Internal**

**With Enlarge Plot image**

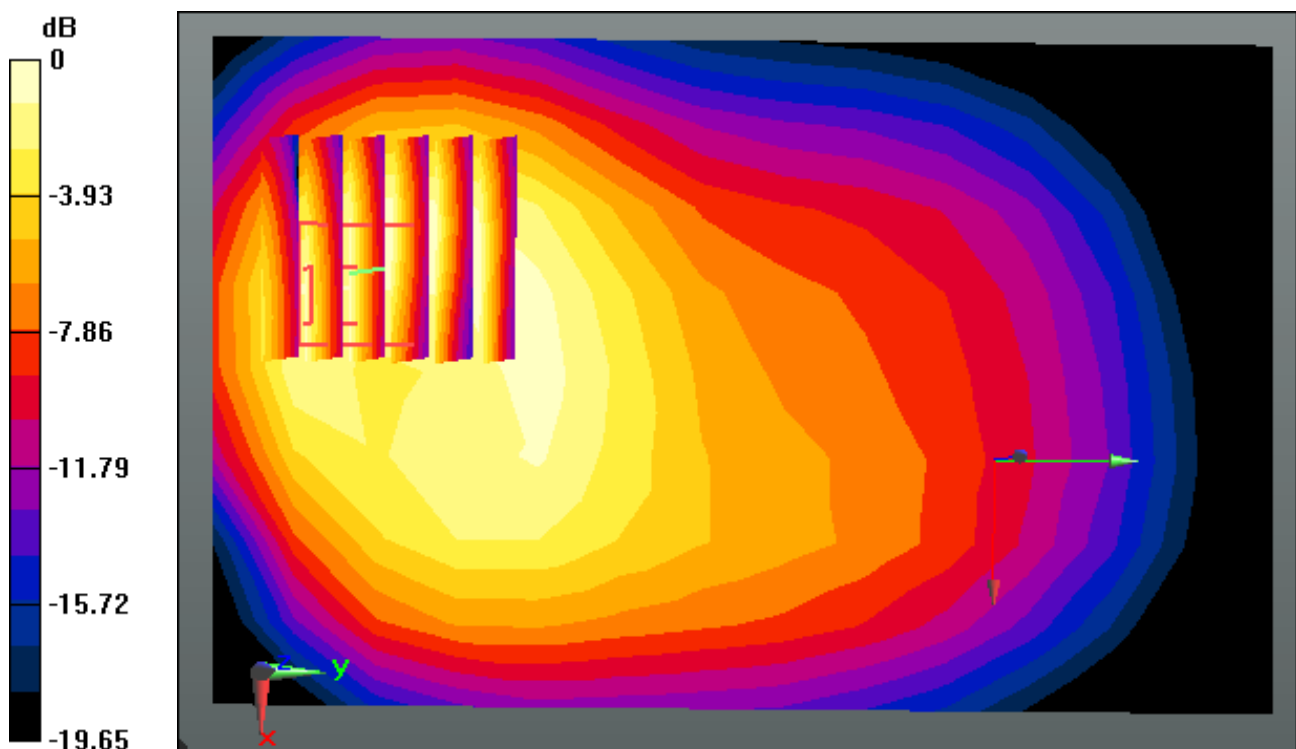
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.322 W/kg**



0 dB = 0.671 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.542$  S/m;  $\epsilon_r = 52.093$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.91, 4.91, 4.91); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.8

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

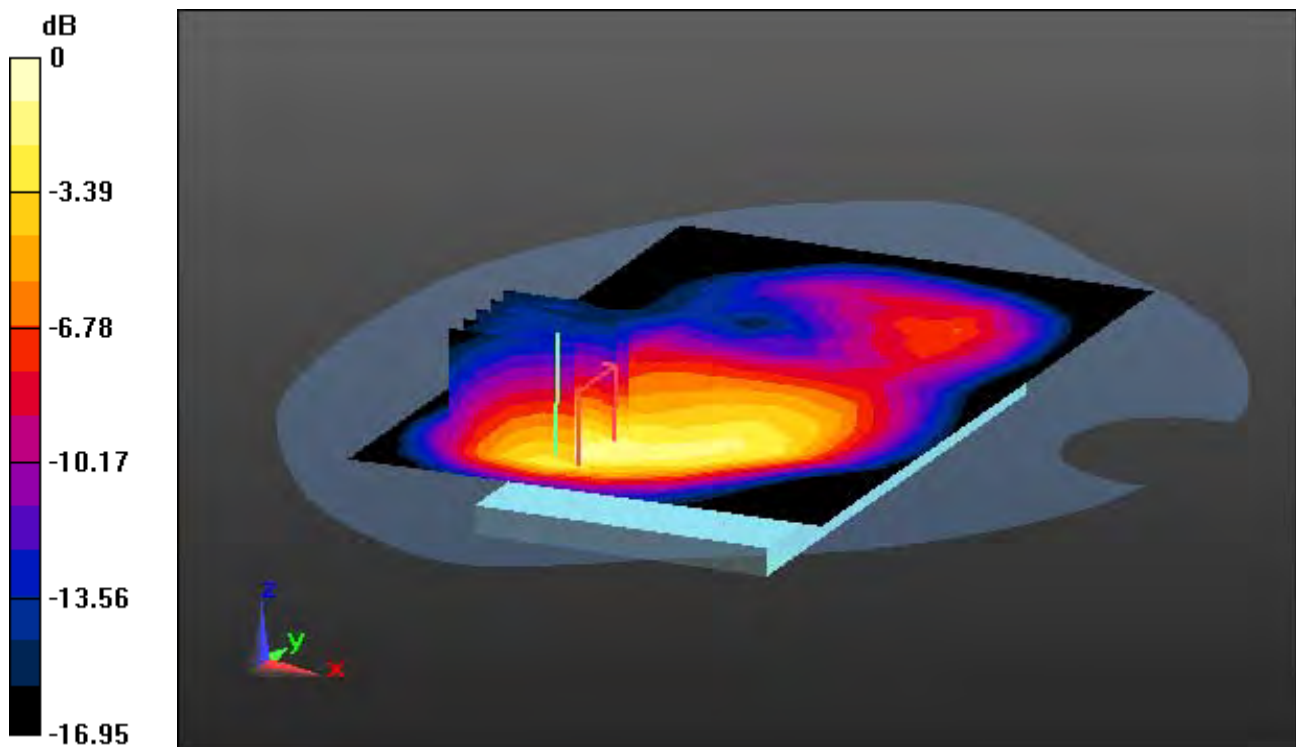
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.110 W/kg**



0 dB = 0.251 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.542$  S/m;  $\epsilon_r = 52.093$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.91, 4.91, 4.91); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.8

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

**With Enlarge Plot image**

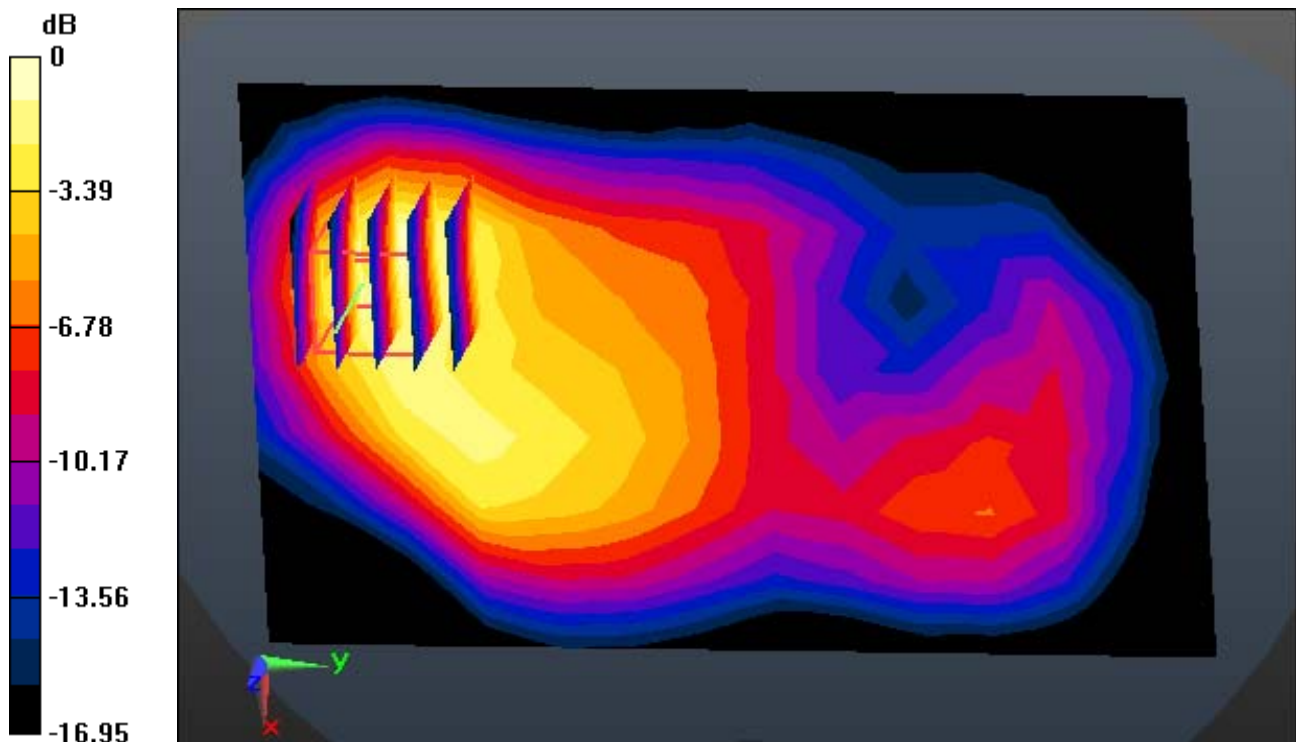
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.110 W/kg**



0 dB = 0.251 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.542$  S/m;  $\epsilon_r = 52.093$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.91, 4.91, 4.91); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.8

**1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 661, Ant. Internal**

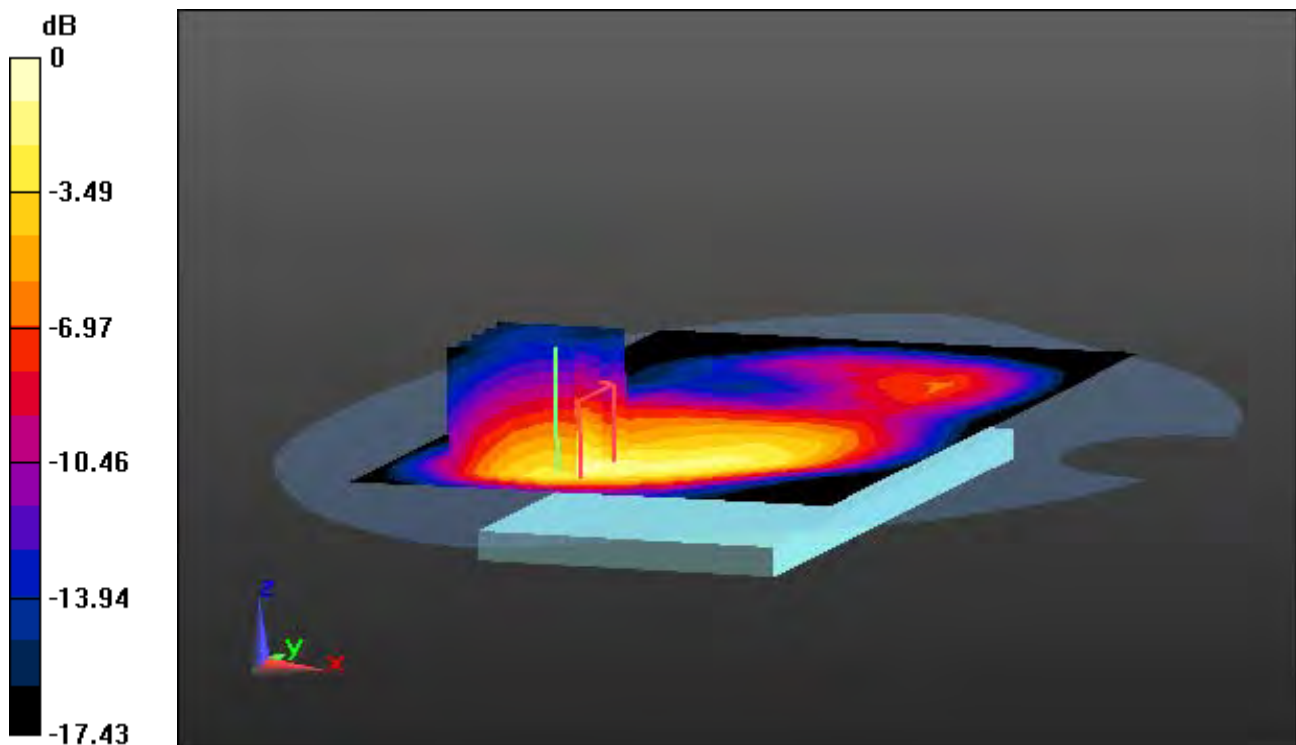
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.371 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.113 W/kg**



0 dB = 0.258 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.542$  S/m;  $\epsilon_r = 52.093$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.91, 4.91, 4.91); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.8

**1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 661, Ant. Internal**

**With Enlarge Plot image**

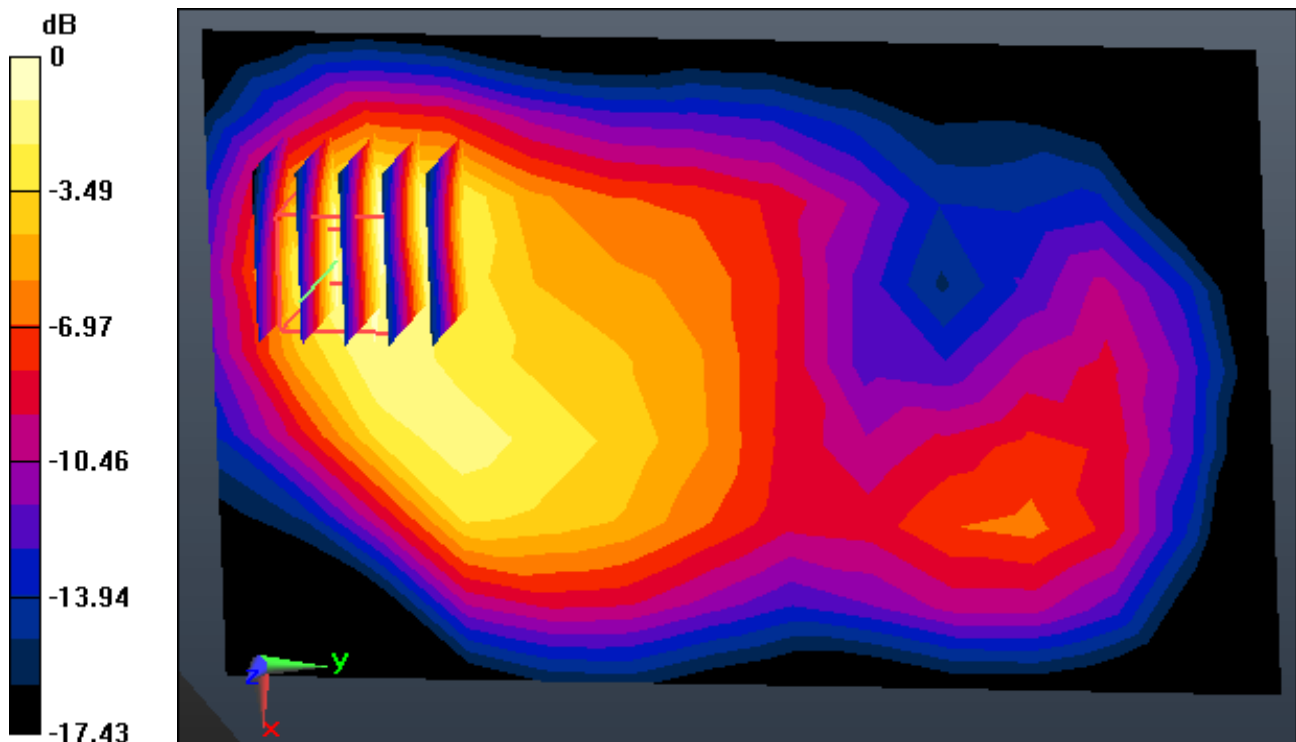
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.371 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.113 W/kg**



0 dB = 0.258 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, WCDMA 850 (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 846.6 \text{ MHz}$ ;  $\sigma = 1.017 \text{ S/m}$ ;  $\epsilon_r = 53.011$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-18; Ambient Temp: 21.9; Tissue Temp: 21.7

**1 cm space from Body, Front, WCDMA850 Ch. 4233, Ant. Internal**

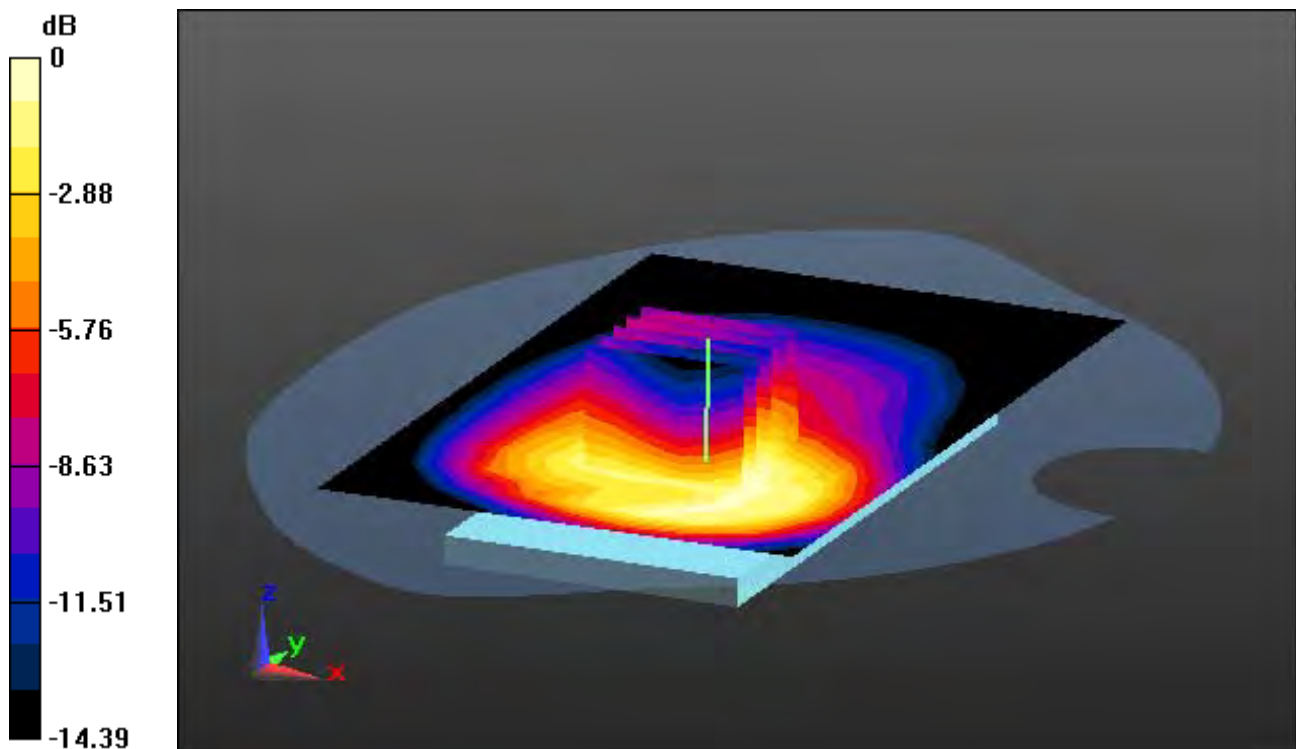
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.558 W/kg**



0 dB = 0.983 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, WCDMA 850 (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 846.6 \text{ MHz}$ ;  $\sigma = 1.017 \text{ S/m}$ ;  $\epsilon_r = 53.011$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-18; Ambient Temp: 21.9; Tissue Temp: 21.7

**1 cm space from Body, Front, WCDMA850 Ch. 4233, Ant. Internal**

**With Enlarge Plot image**

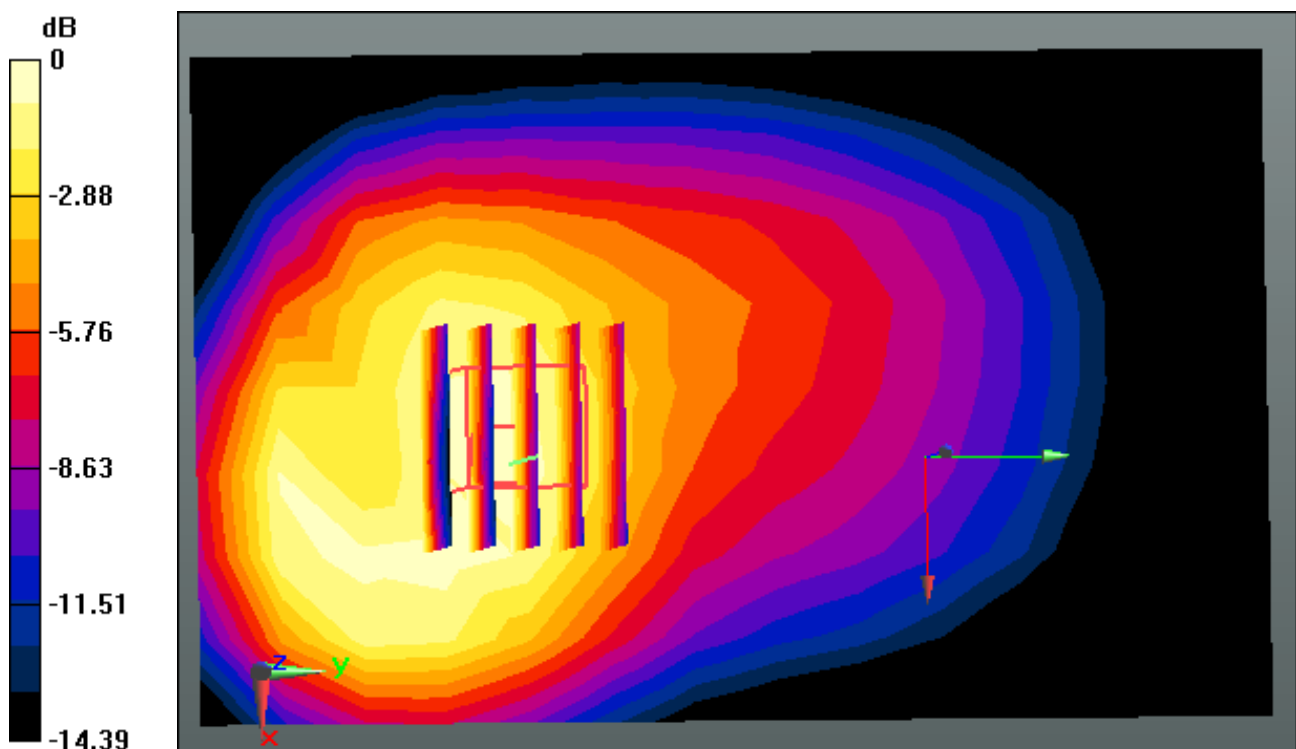
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.558 W/kg**



0 dB = 0.983 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 12 (FCC) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.94 \text{ S/m}$ ;  $\epsilon_r = 55.769$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.46, 6.46, 6.46); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-21; Ambient Temp: 22.4; Tissue Temp: 22.3

**1 cm space from Body, Rear, LTE Band 12 Ch. 23095, Ant Internal**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

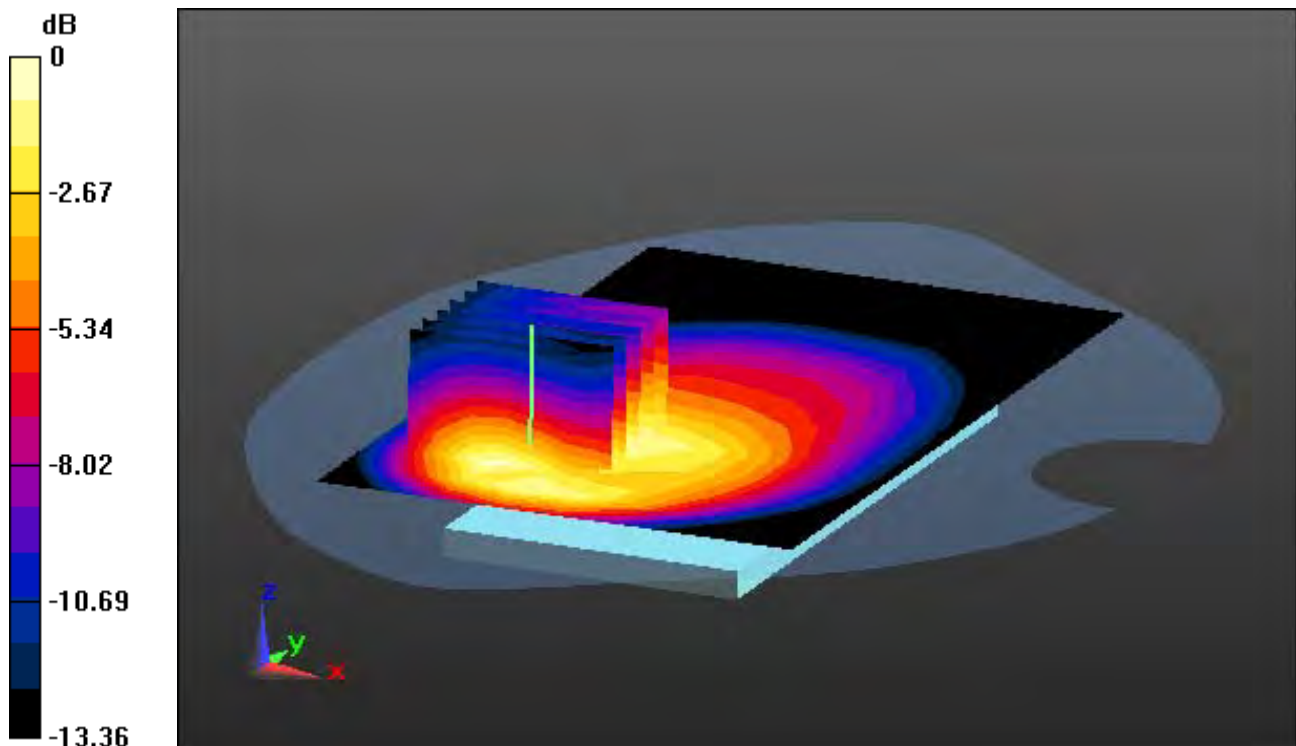
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (7x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.712 W/kg

**SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.287 W/kg**



0 dB = 0.525 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 12 (FCC) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.94 \text{ S/m}$ ;  $\epsilon_r = 55.769$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.46, 6.46, 6.46); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-21; Ambient Temp: 22.4; Tissue Temp: 22.3

**1 cm space from Body, Rear, LTE Band 12 Ch. 23095, Ant Internal**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

**With Enlarge Plot image**

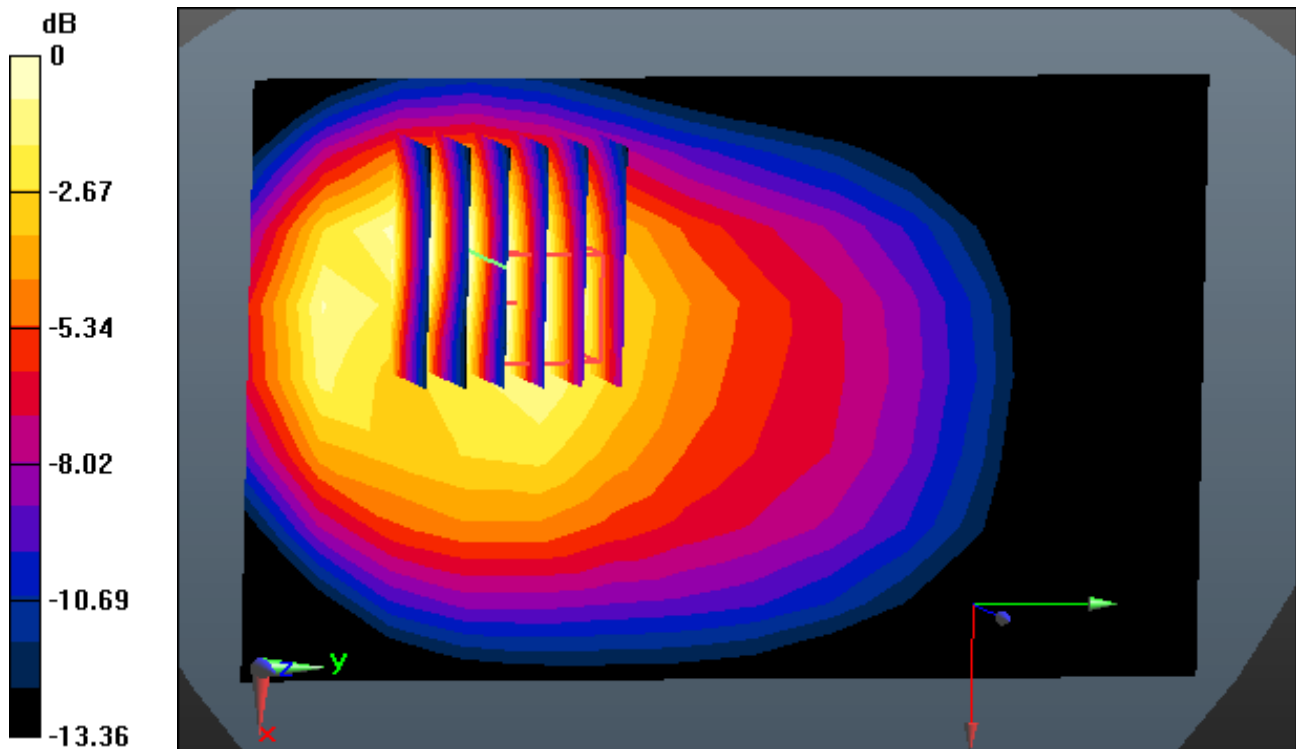
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (7x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.712 W/kg

**SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.287 W/kg**



0 dB = 0.525 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 5 (FCC) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.983 \text{ S/m}$ ;  $\epsilon_r = 53.291$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-19; Ambient Temp: 21.7; Tissue Temp: 21.5

**1 cm space from Body, Rear, LTE Band 5 Ch. 20525, Ant Internal**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

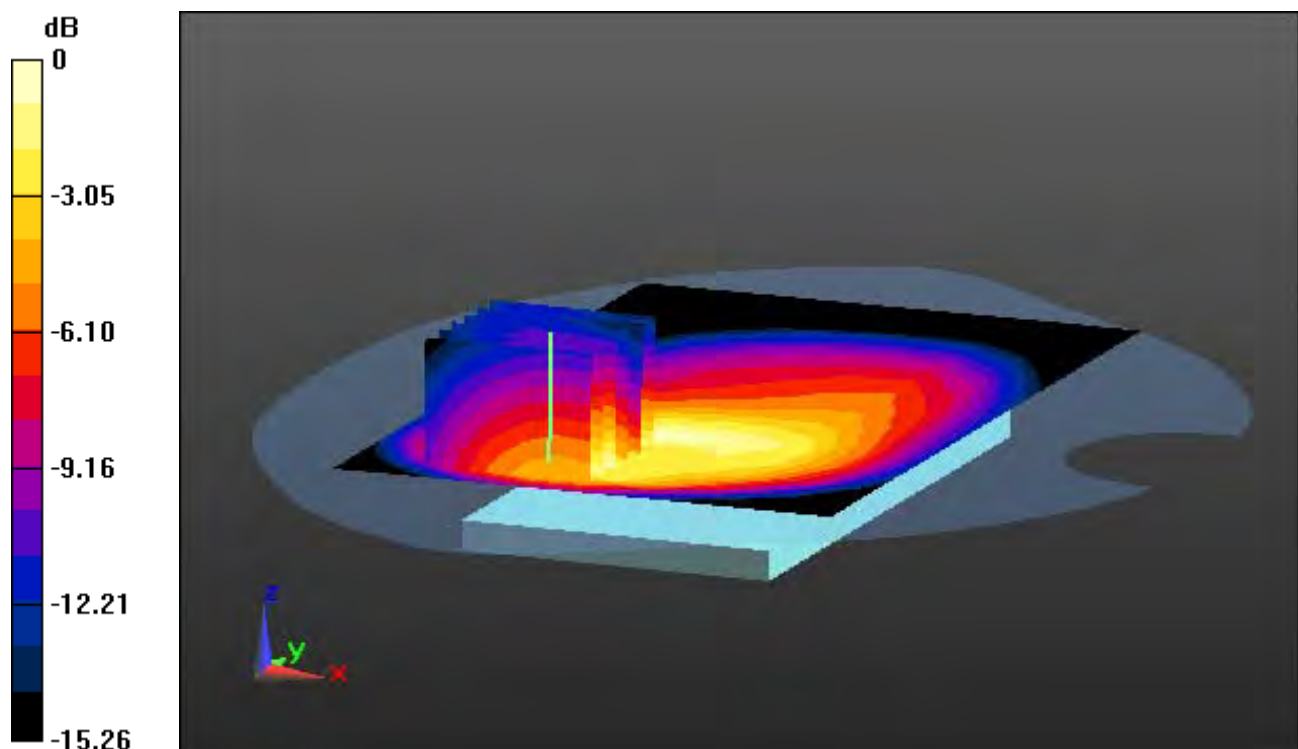
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.353 W/kg**



0 dB = 0.752 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, LTE Band 5 (FCC) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.983 \text{ S/m}$ ;  $\epsilon_r = 53.291$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783

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

Test Date: 2017-09-19; Ambient Temp: 21.7; Tissue Temp: 21.5

**1 cm space from Body, Rear, LTE Band 5 Ch. 20525, Ant Internal**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

**With Enlarge Plot image**

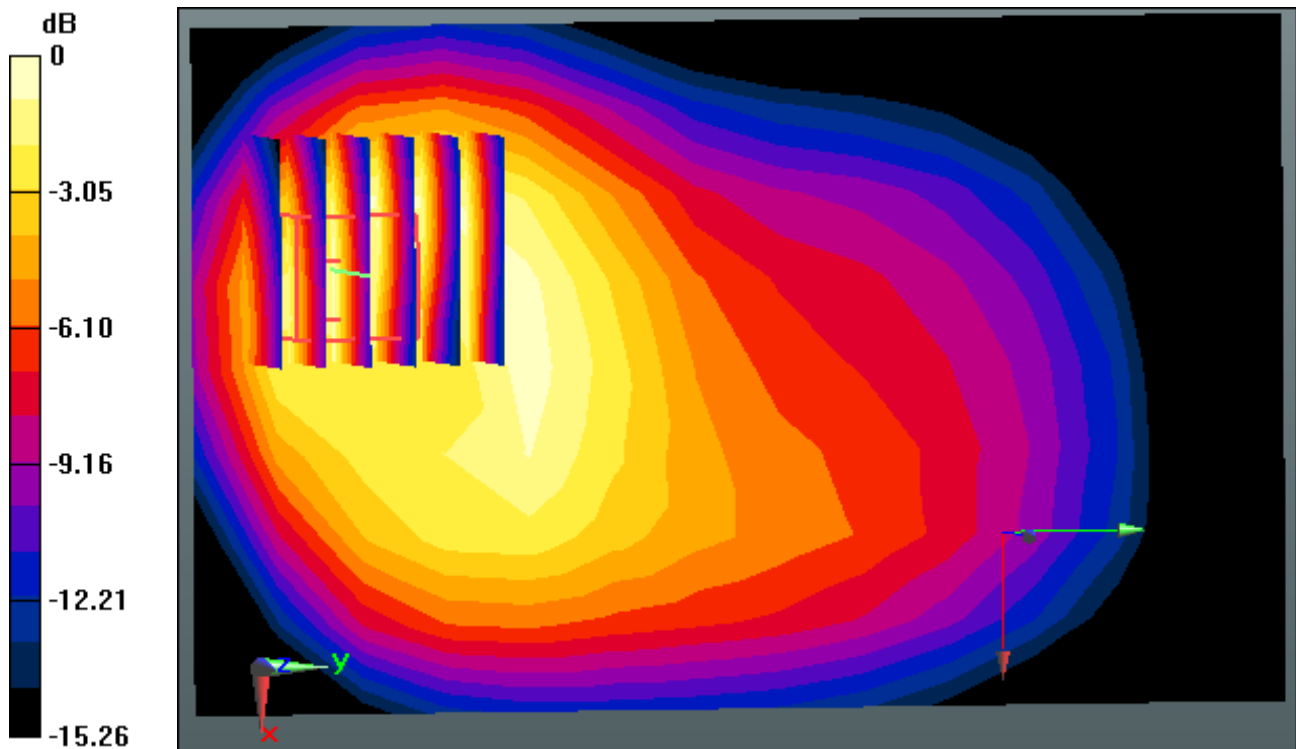
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.353 W/kg**



0 dB = 0.752 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.974 \text{ S/m}$ ;  $\epsilon_r = 51.113$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Rear, W-LAN(2.4G 802.11b) Ch. 11, Ant Internal, Ant.1**

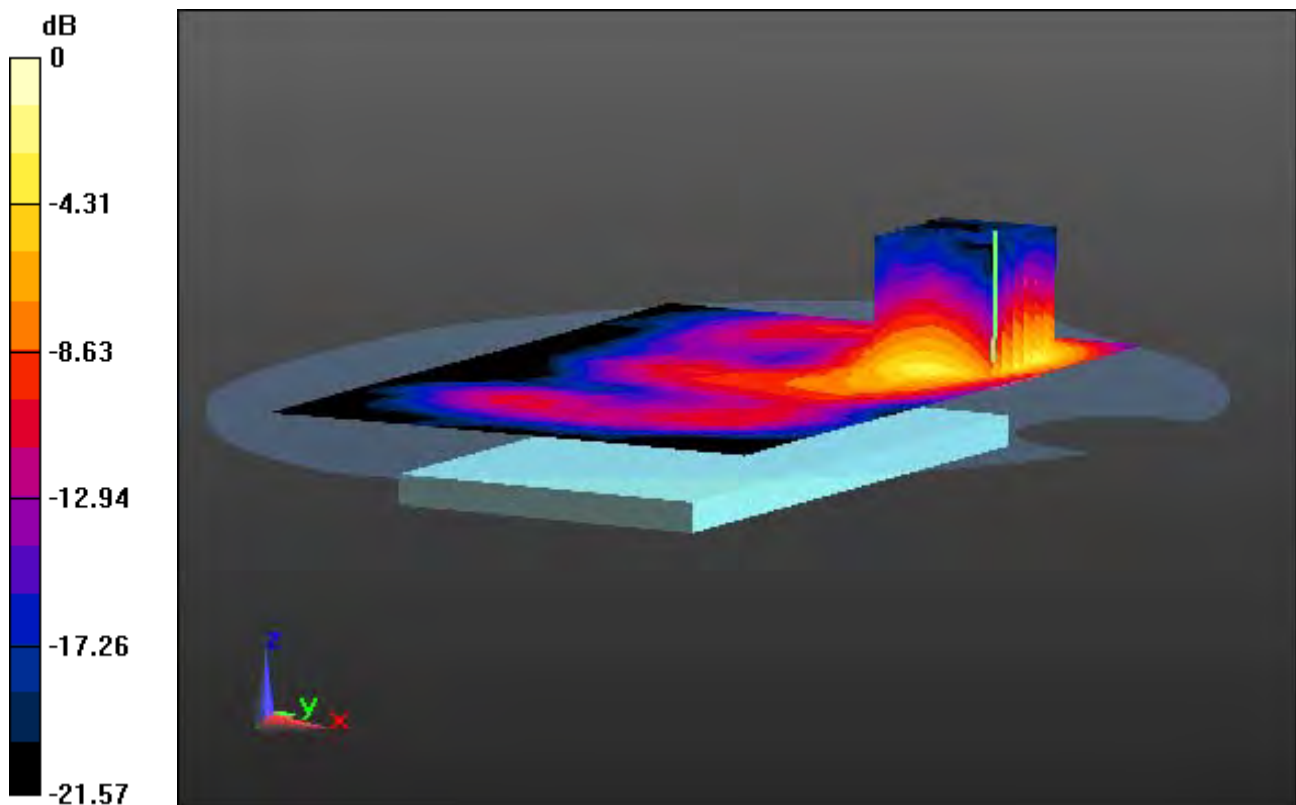
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**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) = 0.208 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.044 W/kg**



0 dB = 0.122 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.974 \text{ S/m}$ ;  $\epsilon_r = 51.113$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Rear, W-LAN(2.4G 802.11b) Ch. 11, Ant Internal, Ant.1**

### **With Enlarge Plot image**

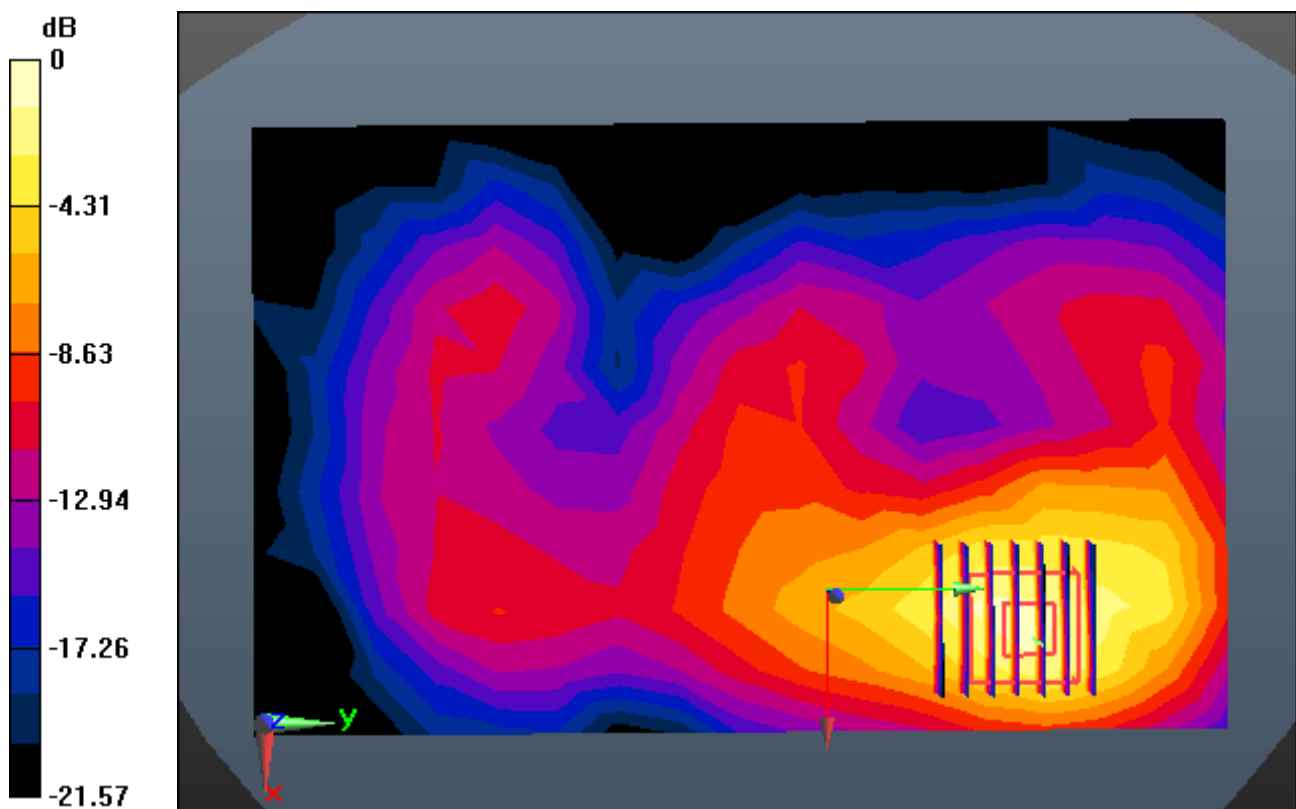
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**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) = 0.208 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.044 W/kg**



0 dB = 0.122 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.921 \text{ S/m}$ ;  $\epsilon_r = 51.232$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Front, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, Ant.2**

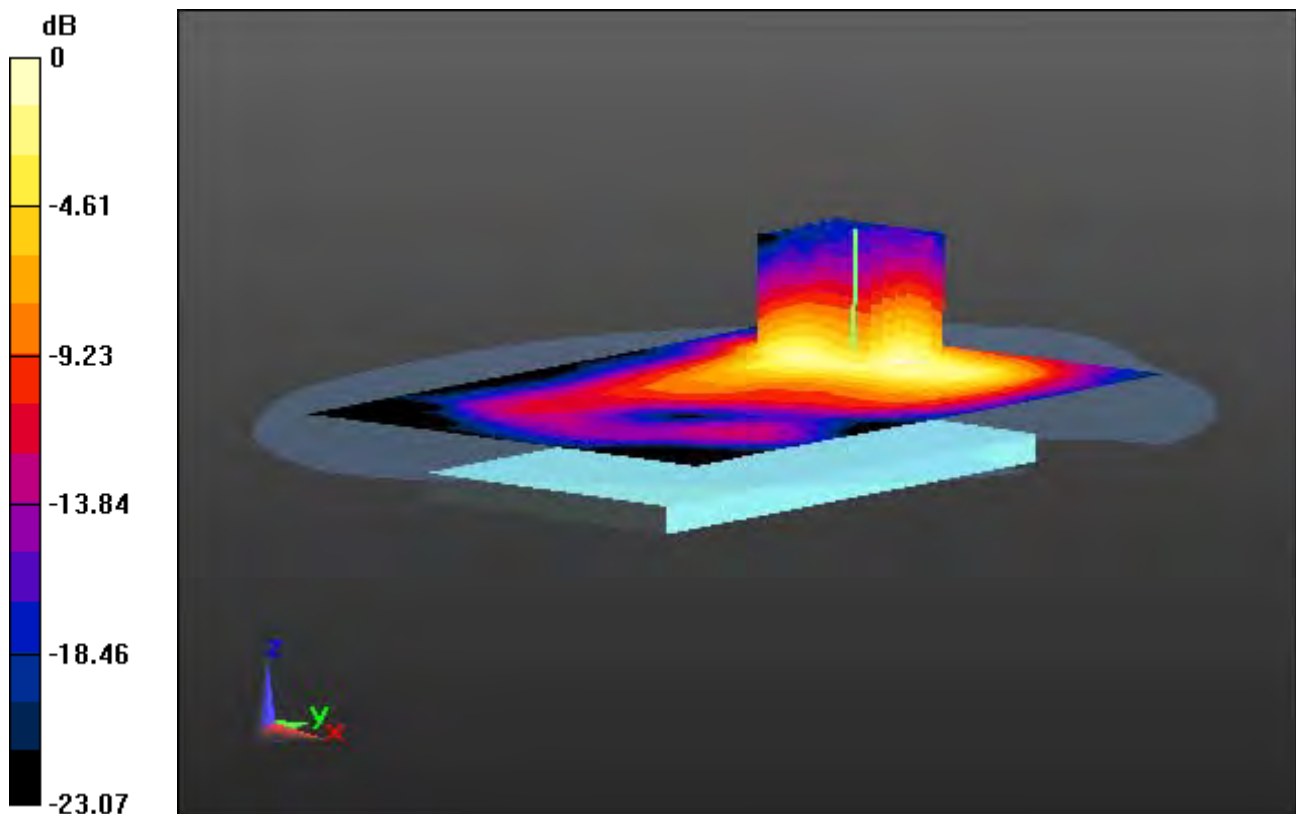
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**Zoom Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.053 W/kg**



0 dB = 0.132 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.921 \text{ S/m}$ ;  $\epsilon_r = 51.232$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Front, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, Ant.2**

### **With Enlarge Plot image**

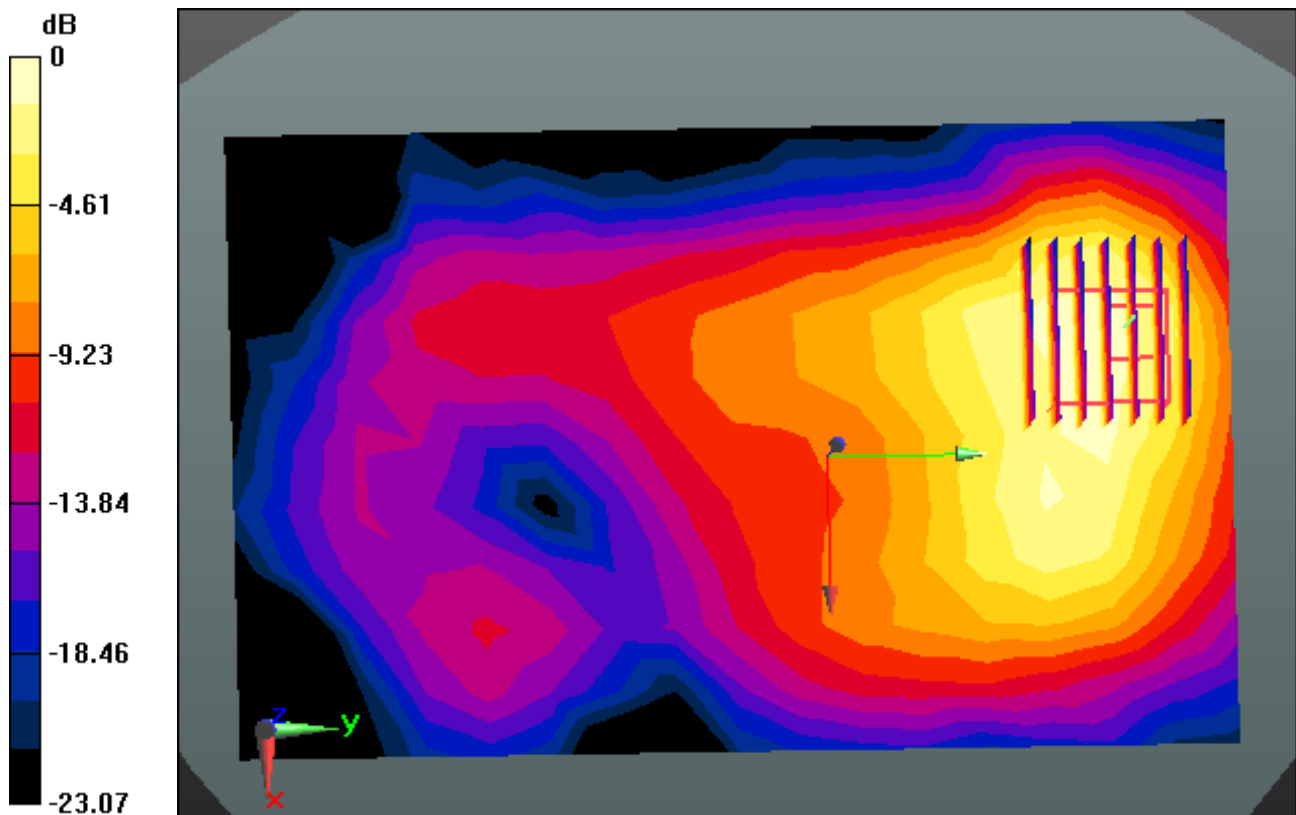
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**Zoom Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.053 W/kg**



0 dB = 0.132 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.921 \text{ S/m}$ ;  $\epsilon_r = 51.232$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Rear, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, MIMO**

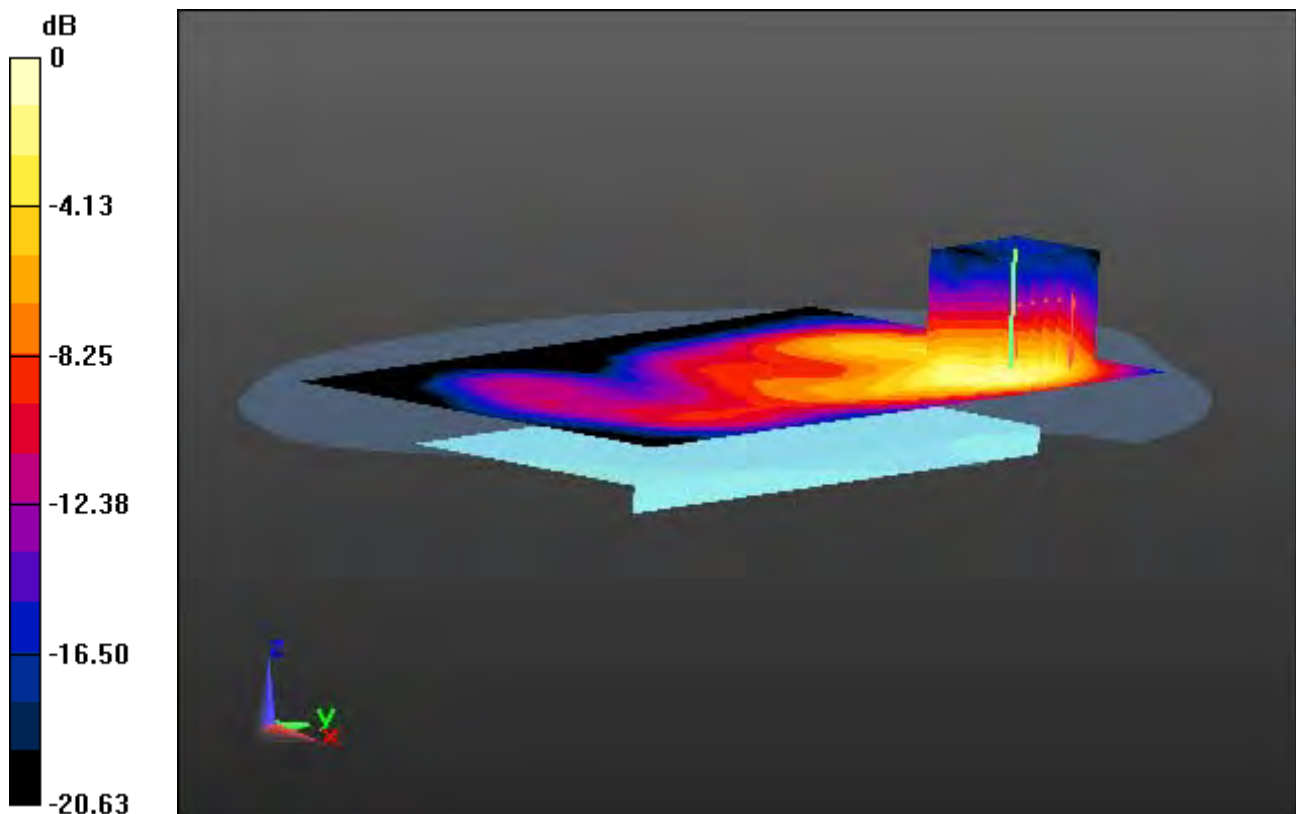
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**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) = 0.303 W/kg

**SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.073 W/kg**



0 dB = 0.187 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.921 \text{ S/m}$ ;  $\epsilon_r = 51.232$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Rear, W-LAN(2.4G 802.11b) Ch. 1, Ant Internal, MIMO**

**With Enlarge Plot image**

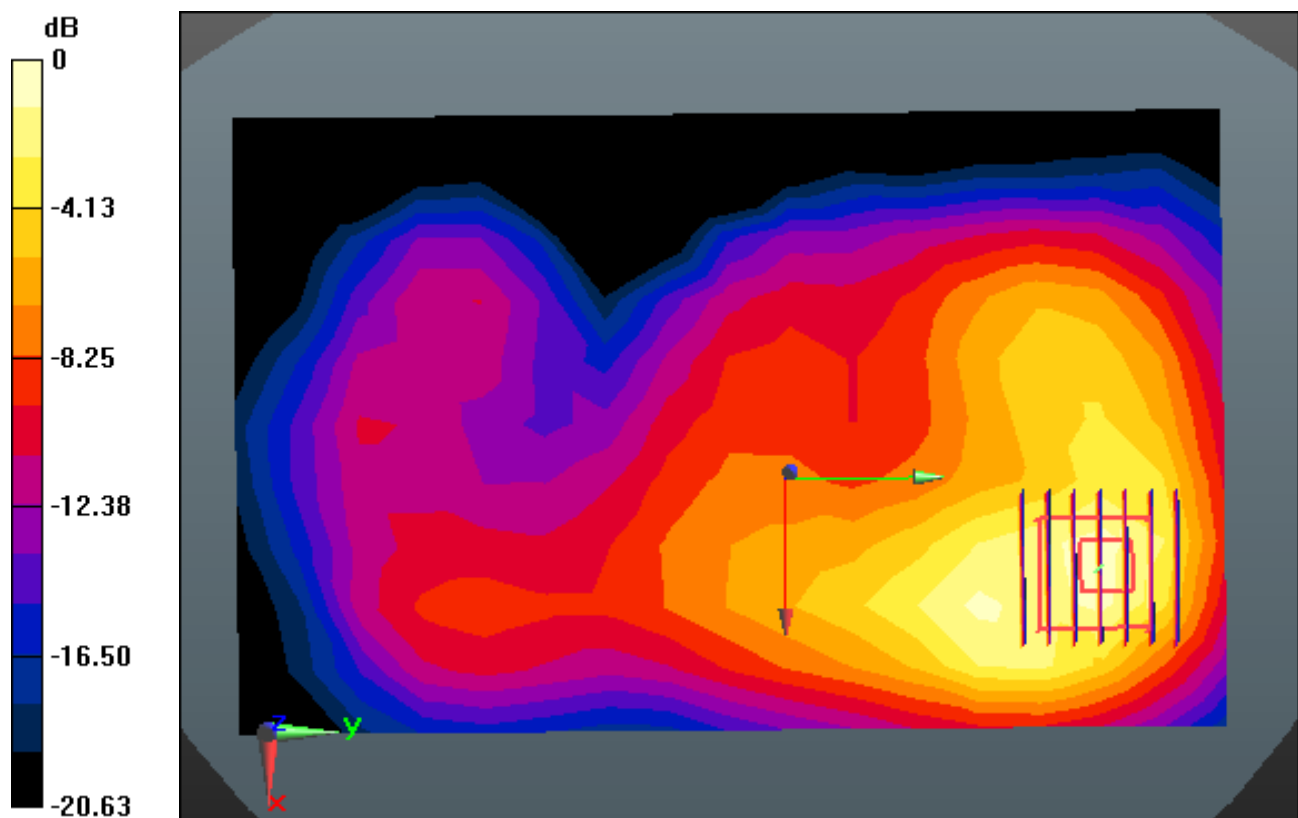
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**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) = 0.303 W/kg

**SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.073 W/kg**



0 dB = 0.187 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.952 \text{ S/m}$ ;  $\epsilon_r = 51.156$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Rear, Bluetooth(BDR 1M) Ch. 39, Ant Internal**

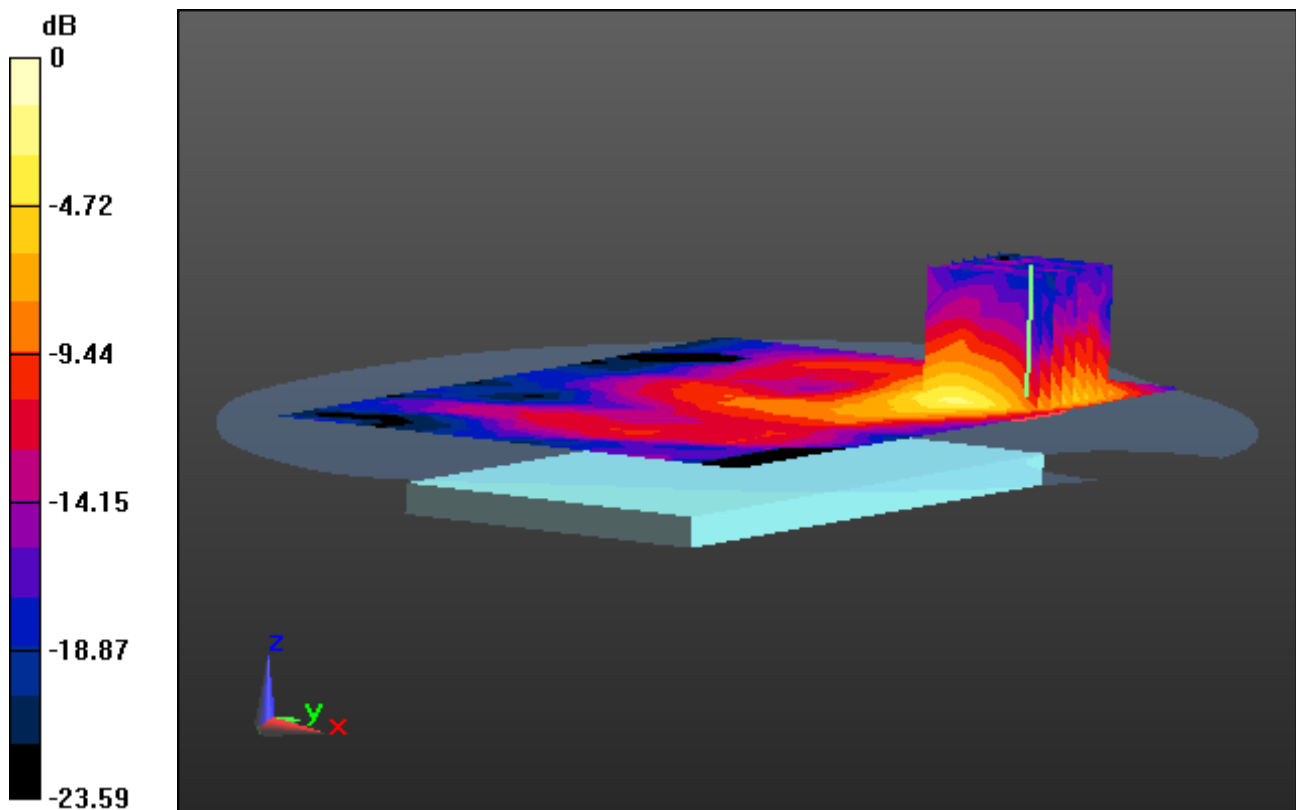
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0810 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 W/kg**



0 dB = 0.0465 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.952 \text{ S/m}$ ;  $\epsilon_r = 51.156$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Rear, Bluetooth(BDR 1M) Ch. 39, Ant Internal**

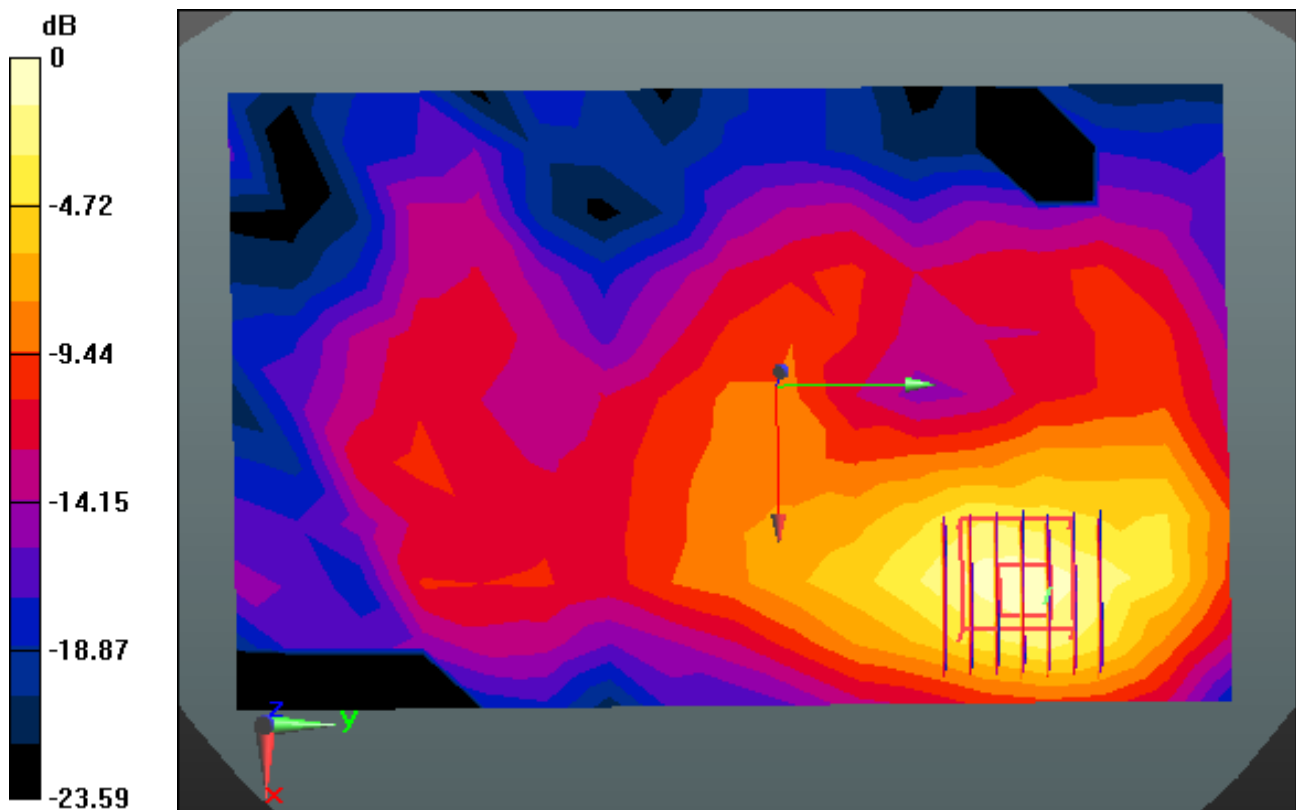
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0810 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 W/kg**



0 dB = 0.0465 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.48$  S/m;  $\epsilon_r = 48.032$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.1**

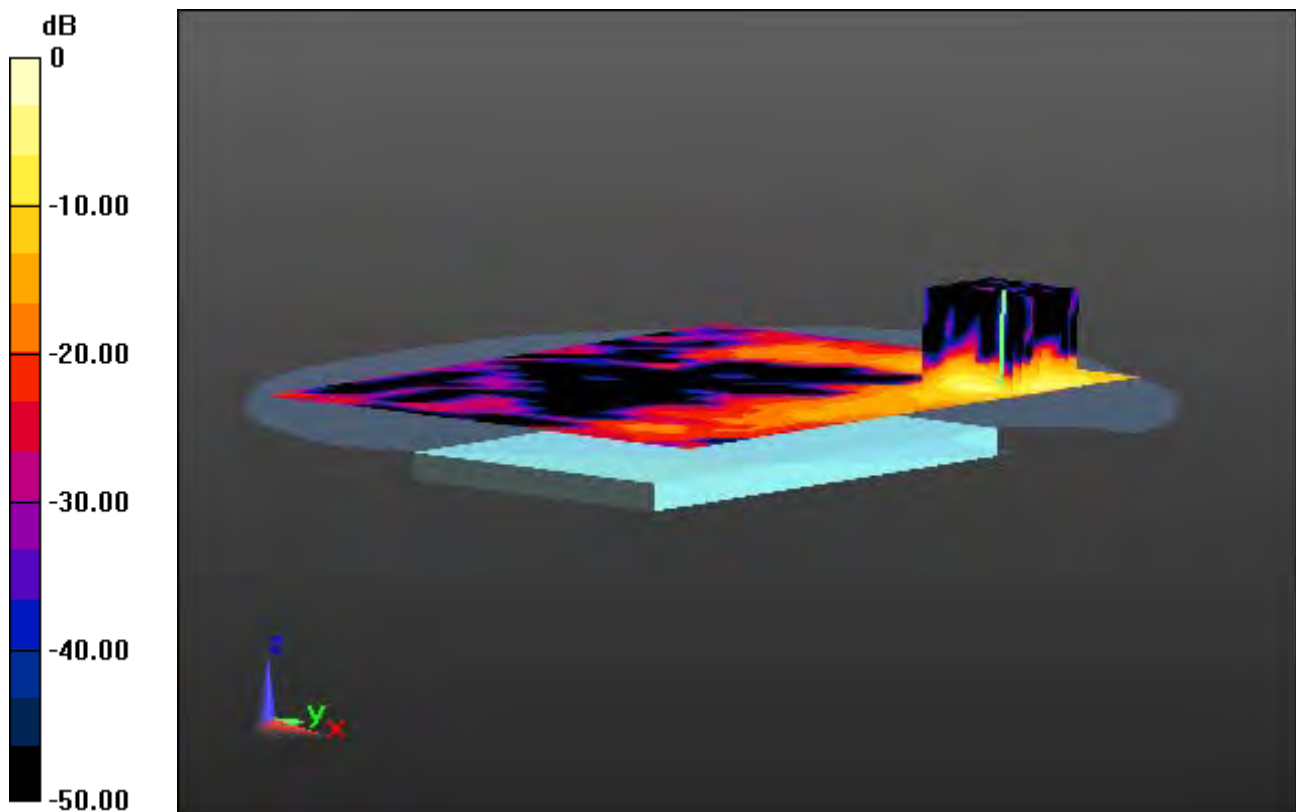
**Area Scan (14x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.086 W/kg**



0 dB = 0.637 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.1**

### **With Enlarge Plot image**

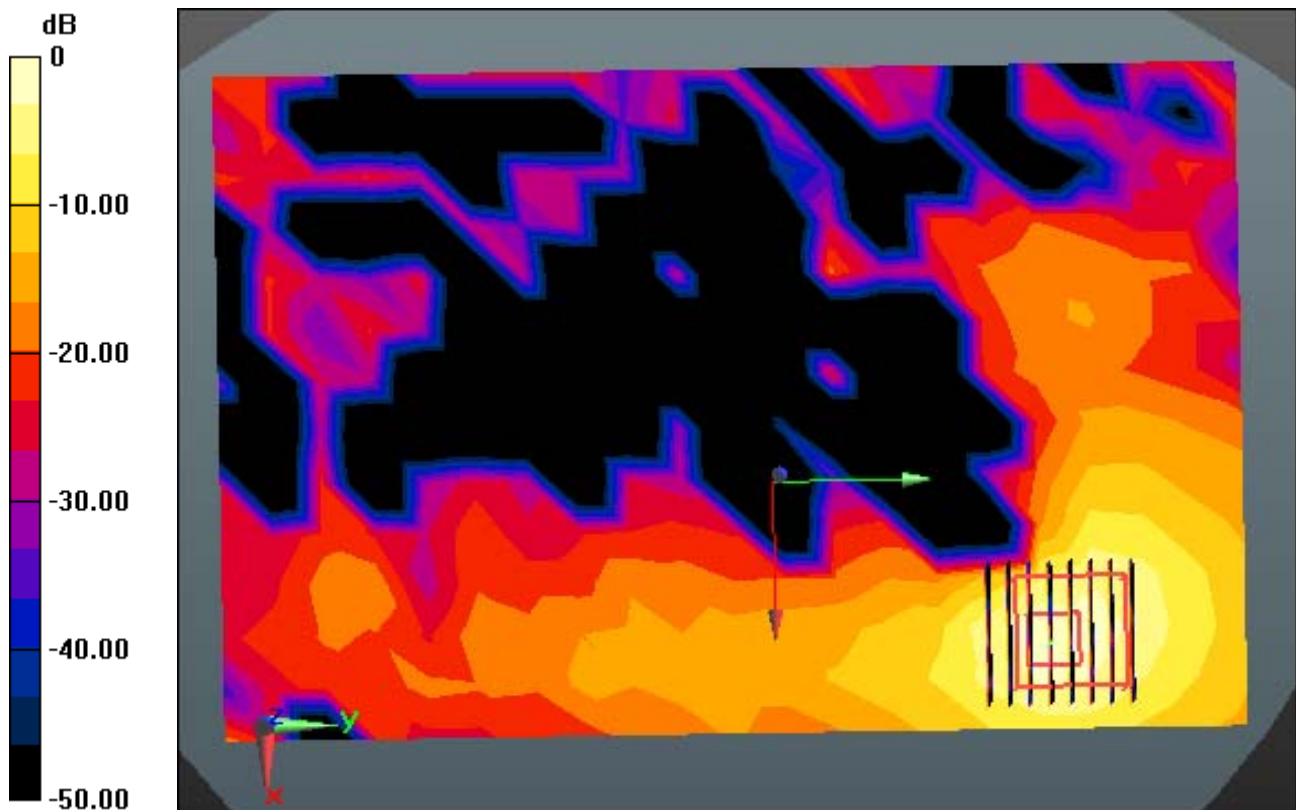
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.086 W/kg**



0 dB = 0.637 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.2**

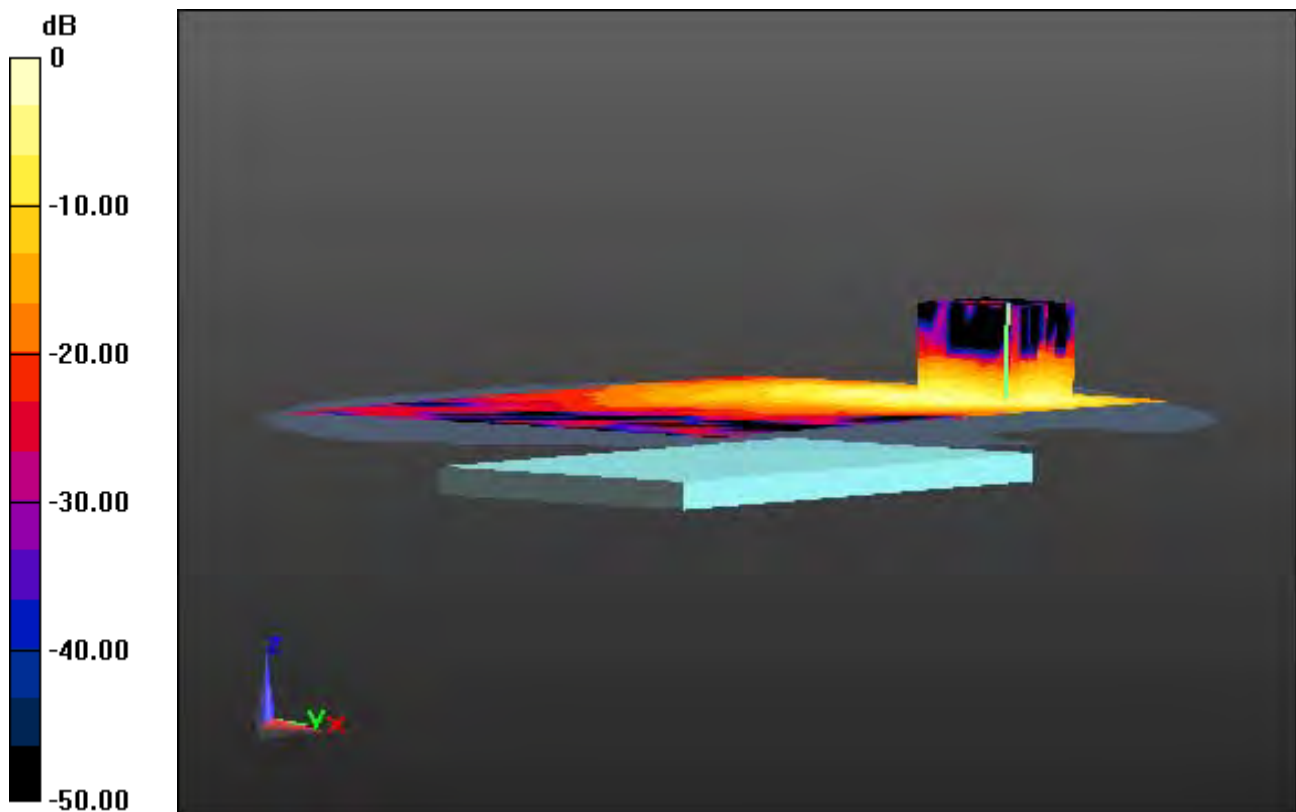
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.165 W/kg**



0 dB = 0.976 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.2**

### **With Enlarge Plot image**

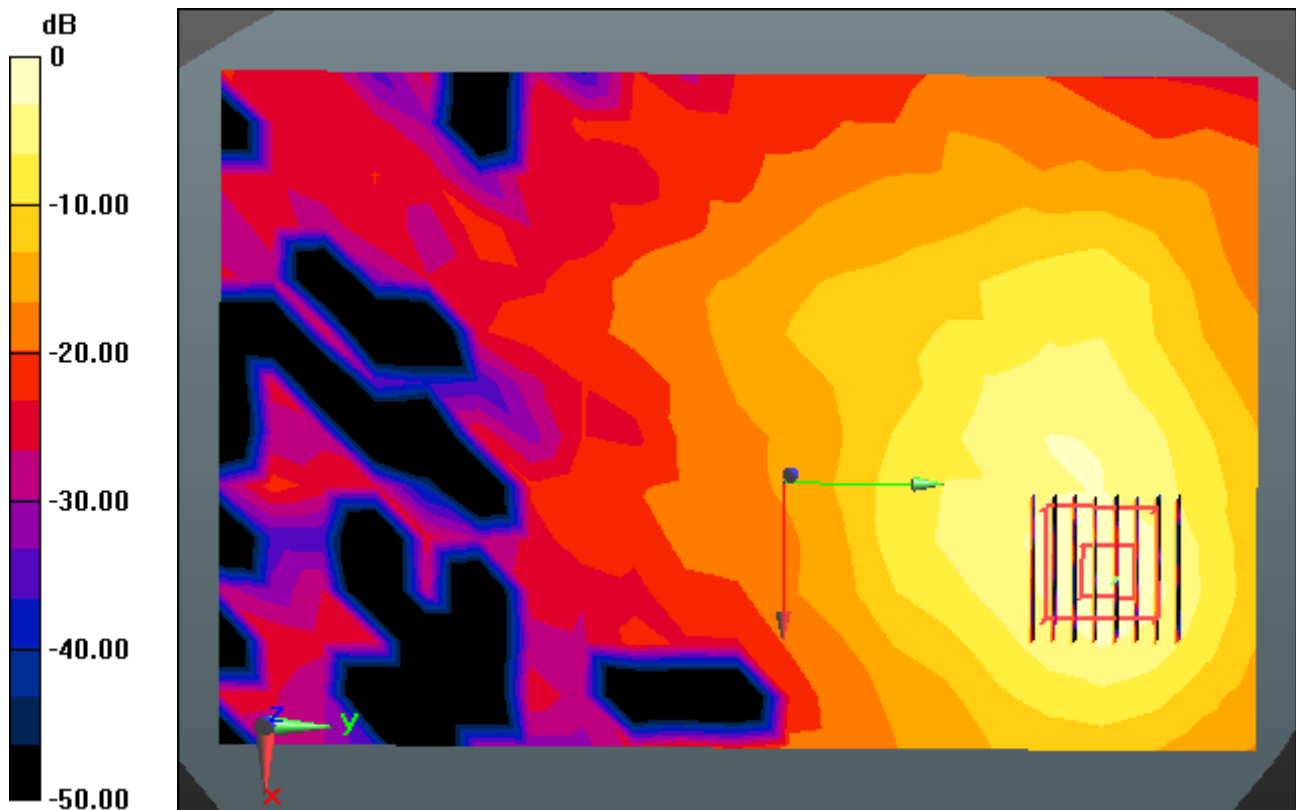
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.165 W/kg**



0 dB = 0.976 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, MIMO**

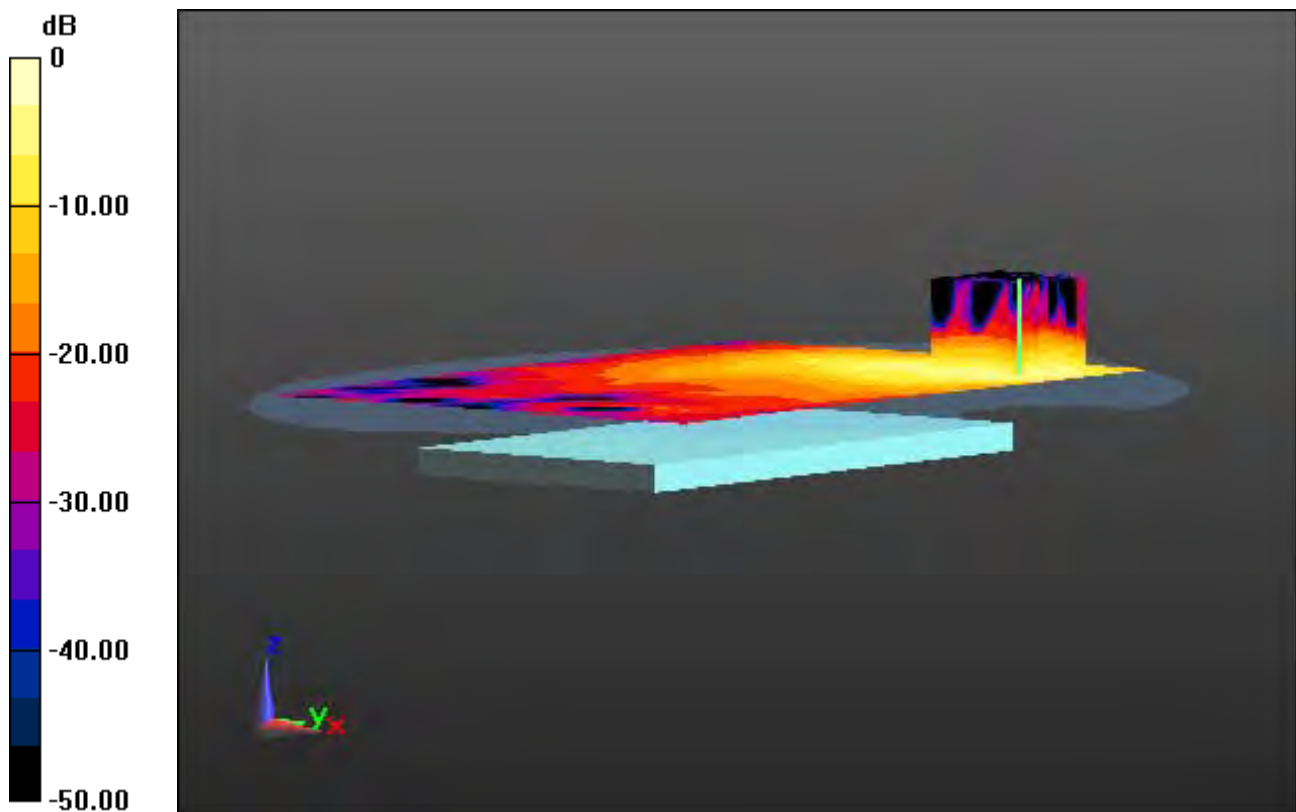
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.04 W/kg

**SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.205 W/kg**



0 dB = 1.23 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, MIMO**

### **With Enlarge Plot image**

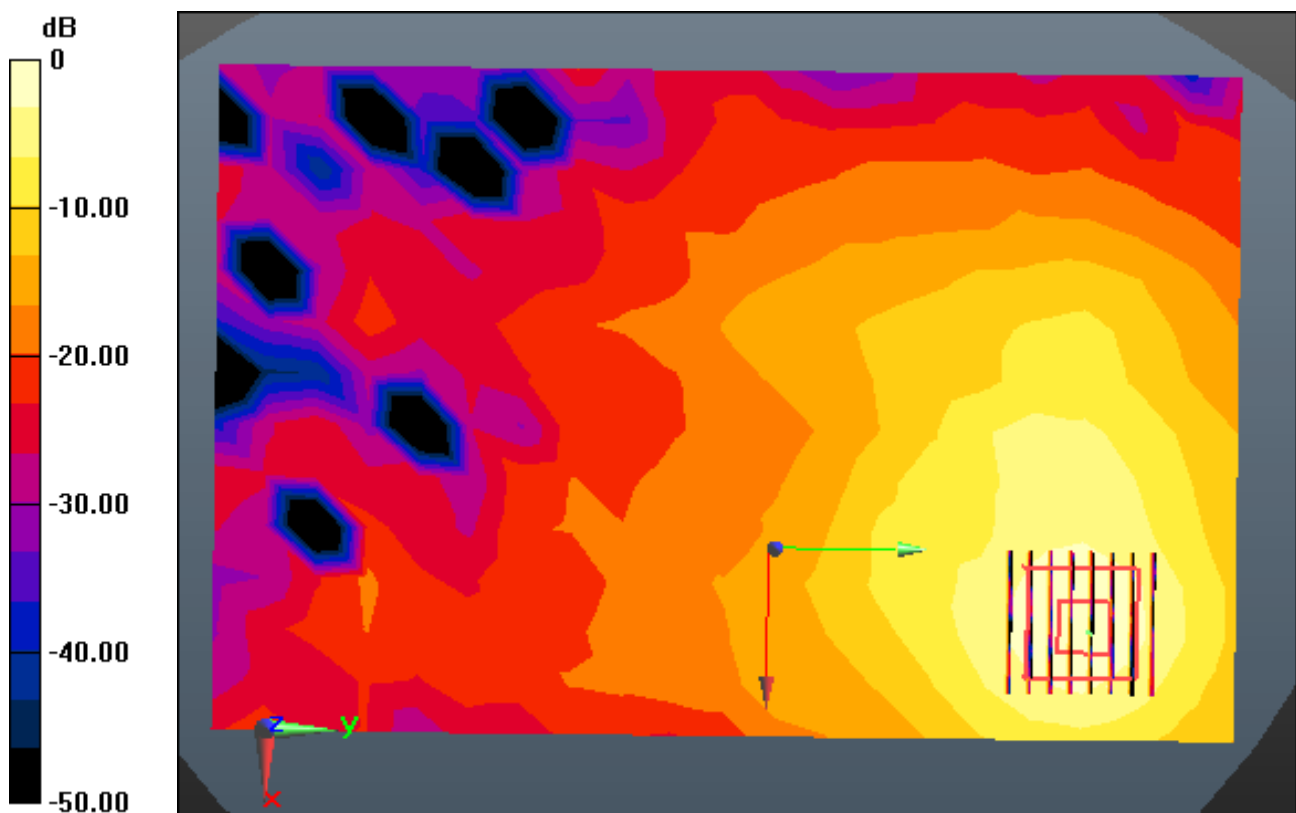
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.04 W/kg

**SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.205 W/kg**



0 dB = 1.23 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.845 \text{ S/m}$ ;  $\epsilon_r = 46.74$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.6G 802.11a) Ch. 116, Ant Internal, Ant.1**

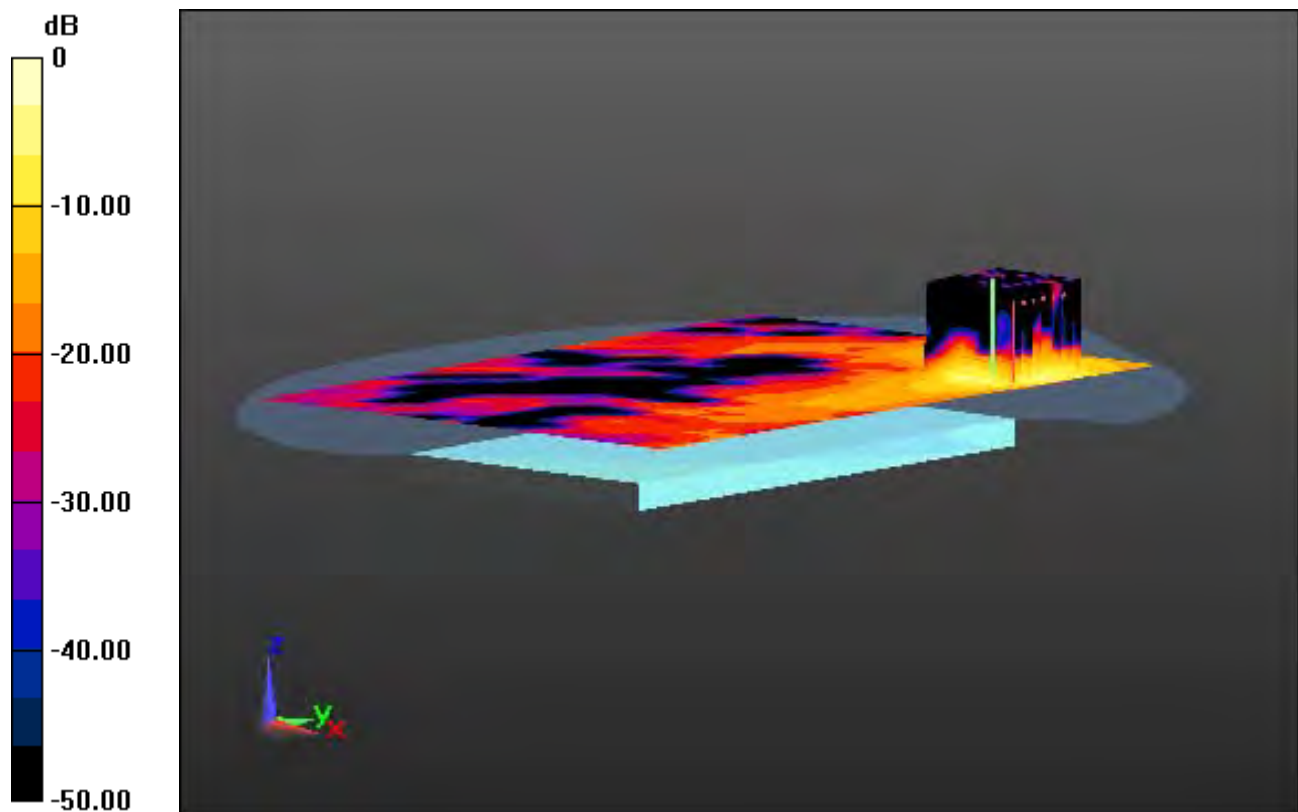
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.104 W/kg**



0 dB = 0.847 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.845 \text{ S/m}$ ;  $\epsilon_r = 46.74$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.6G 802.11a) Ch. 116, Ant Internal, Ant.1**

### **With Enlarge Plot image**

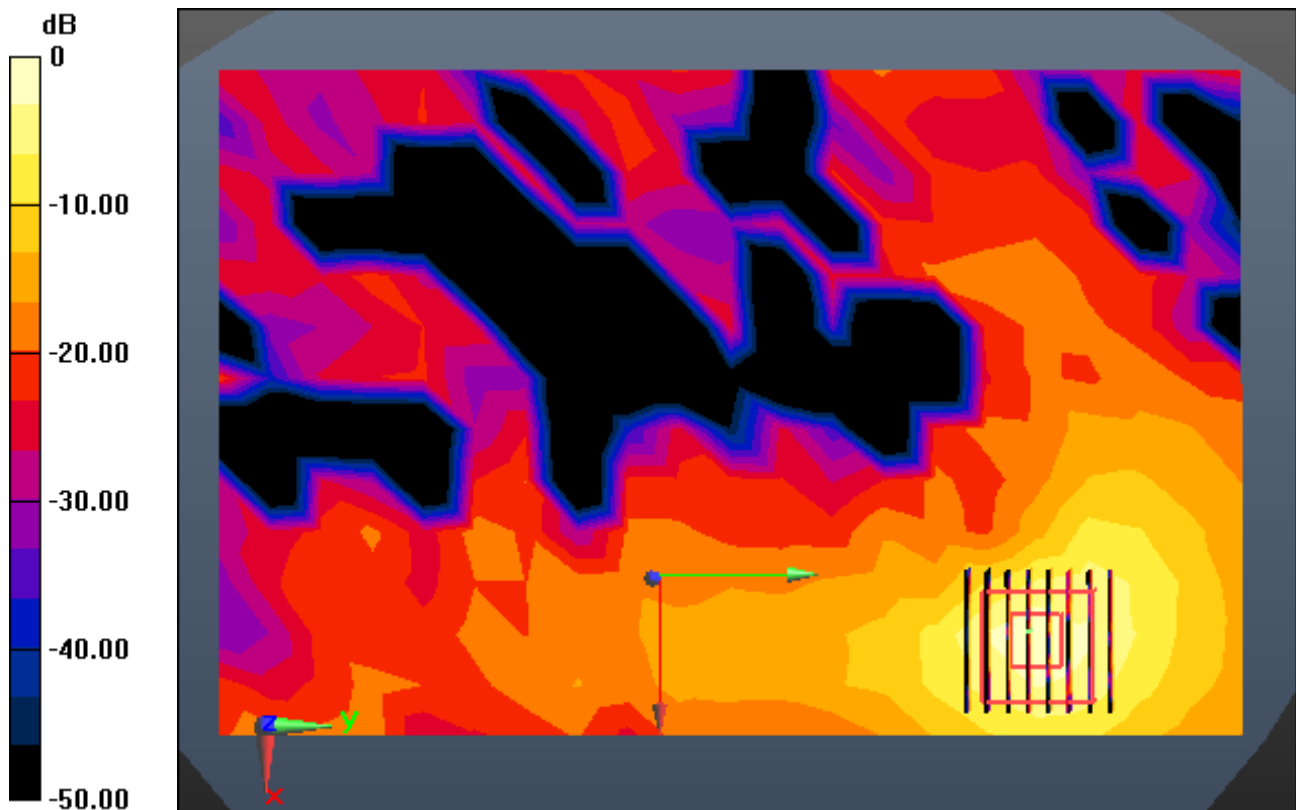
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.104 W/kg**



0 dB = 0.847 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Ant.2**

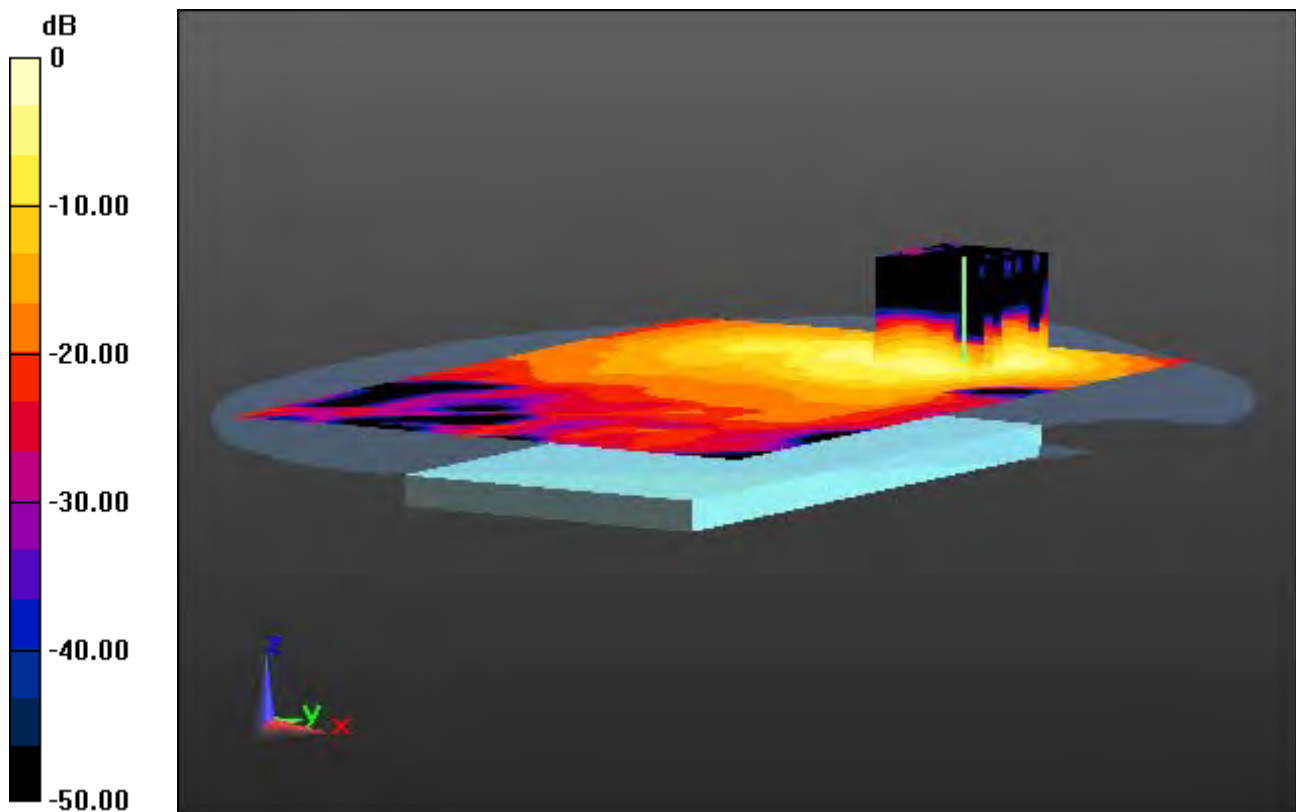
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.31 W/kg

**SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.192 W/kg**



0 dB = 1.29 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Ant.2**

### **With Enlarge Plot image**

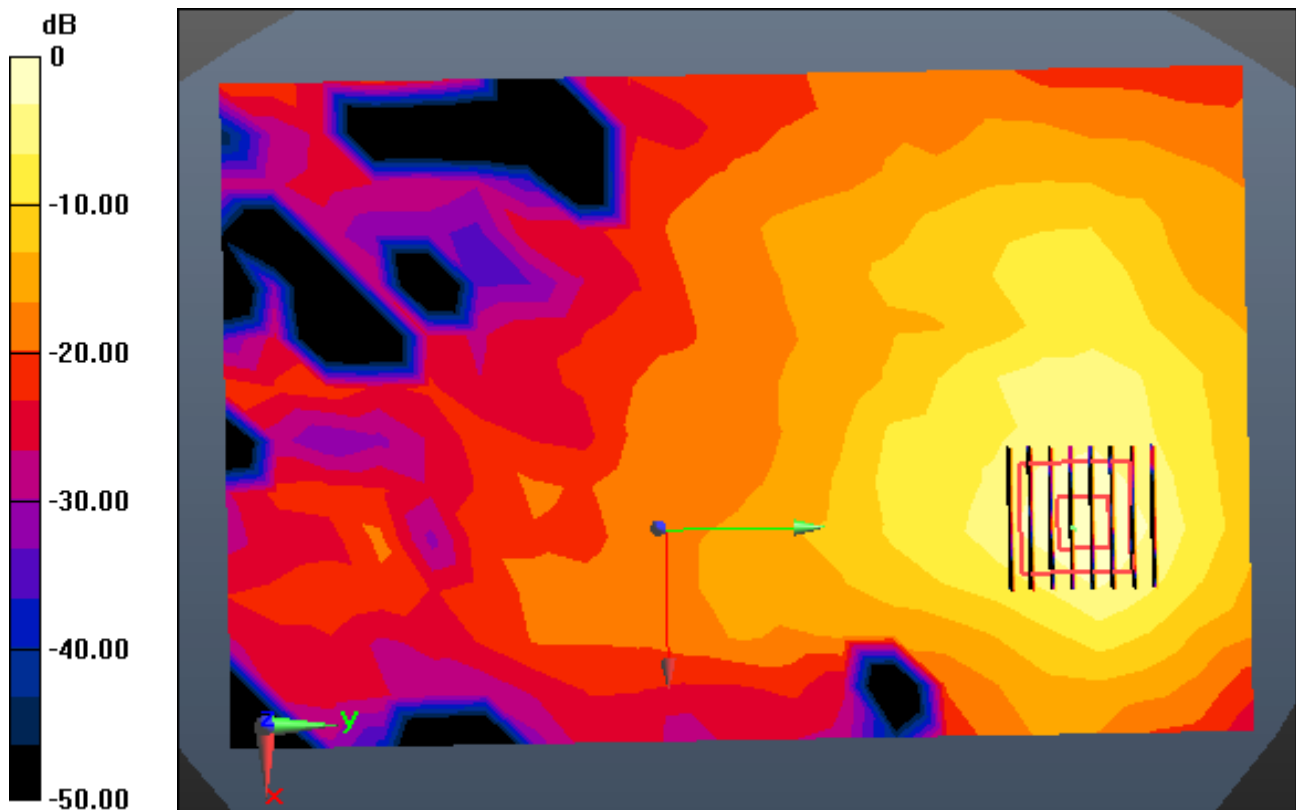
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.31 W/kg

**SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.192 W/kg**



0 dB = 1.29 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, MIMO**

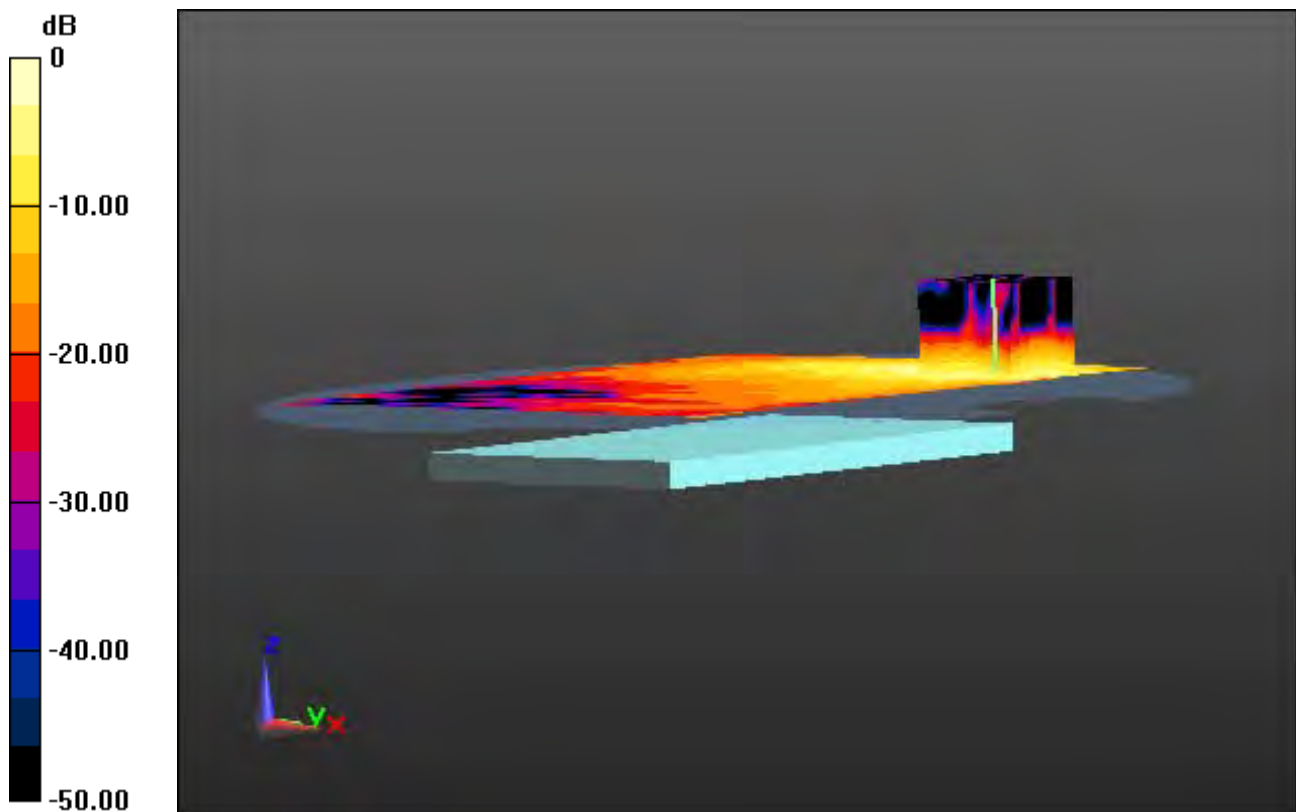
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.18 W/kg

**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.203 W/kg**



0 dB = 1.23 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, MIMO**

### **With Enlarge Plot image**

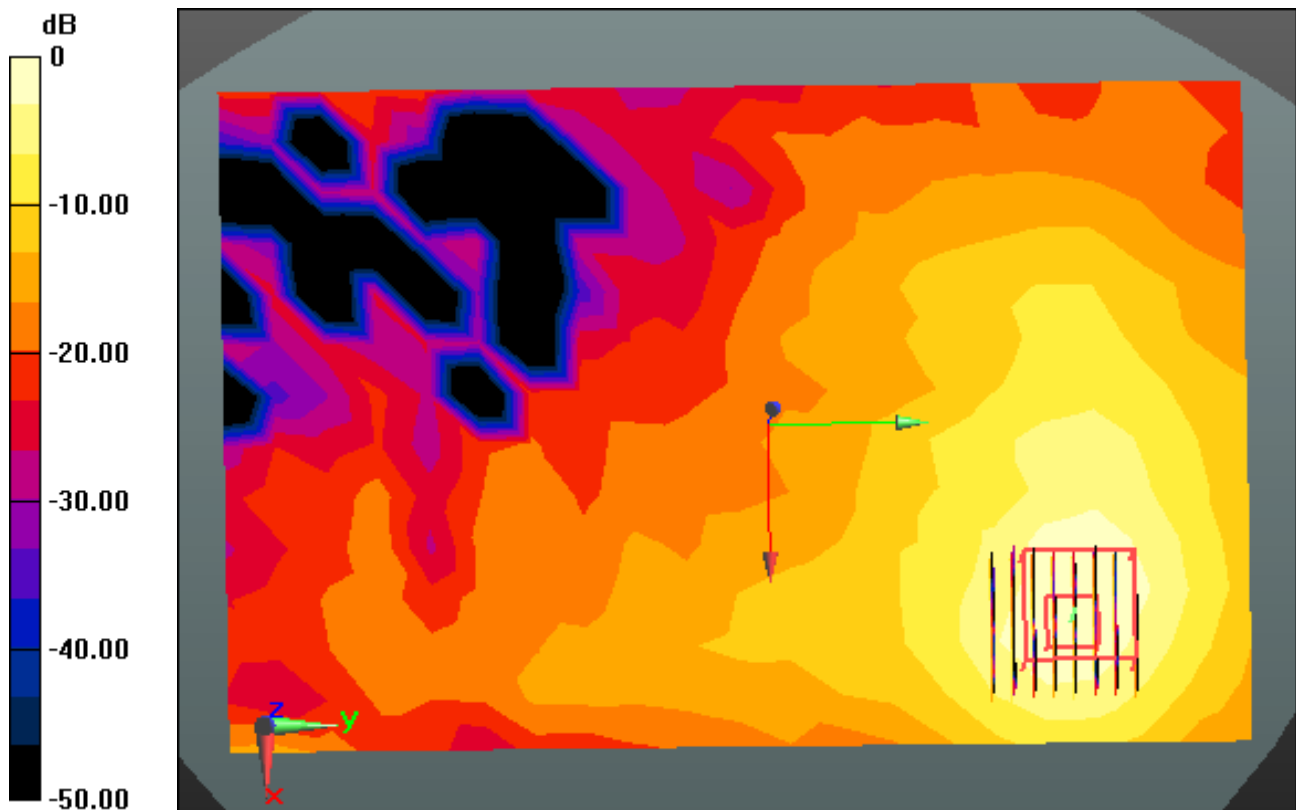
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.18 W/kg

**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.203 W/kg**



0 dB = 1.23 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.006 \text{ S/m}$ ;  $\epsilon_r = 46.672$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.33, 4.33, 4.33); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-05; Ambient Temp: 21.4; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.8G 802.11a) Ch. 149, Ant Internal, Ant.1**

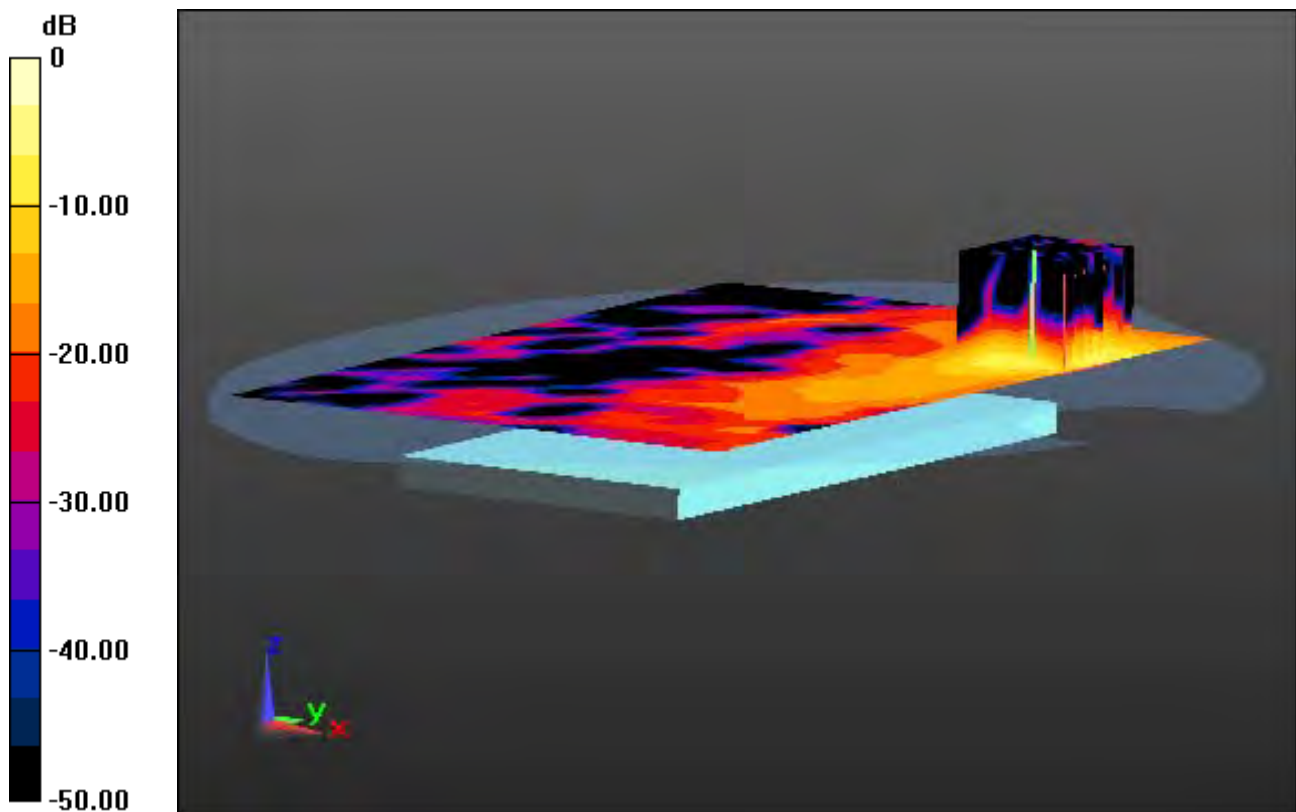
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.131 W/kg**



0 dB = 1.13 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.006 \text{ S/m}$ ;  $\epsilon_r = 46.672$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.33, 4.33, 4.33); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-05; Ambient Temp: 21.4; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.8G 802.11a) Ch. 149, Ant Internal, Ant.1**

### **With Enlarge Plot image**

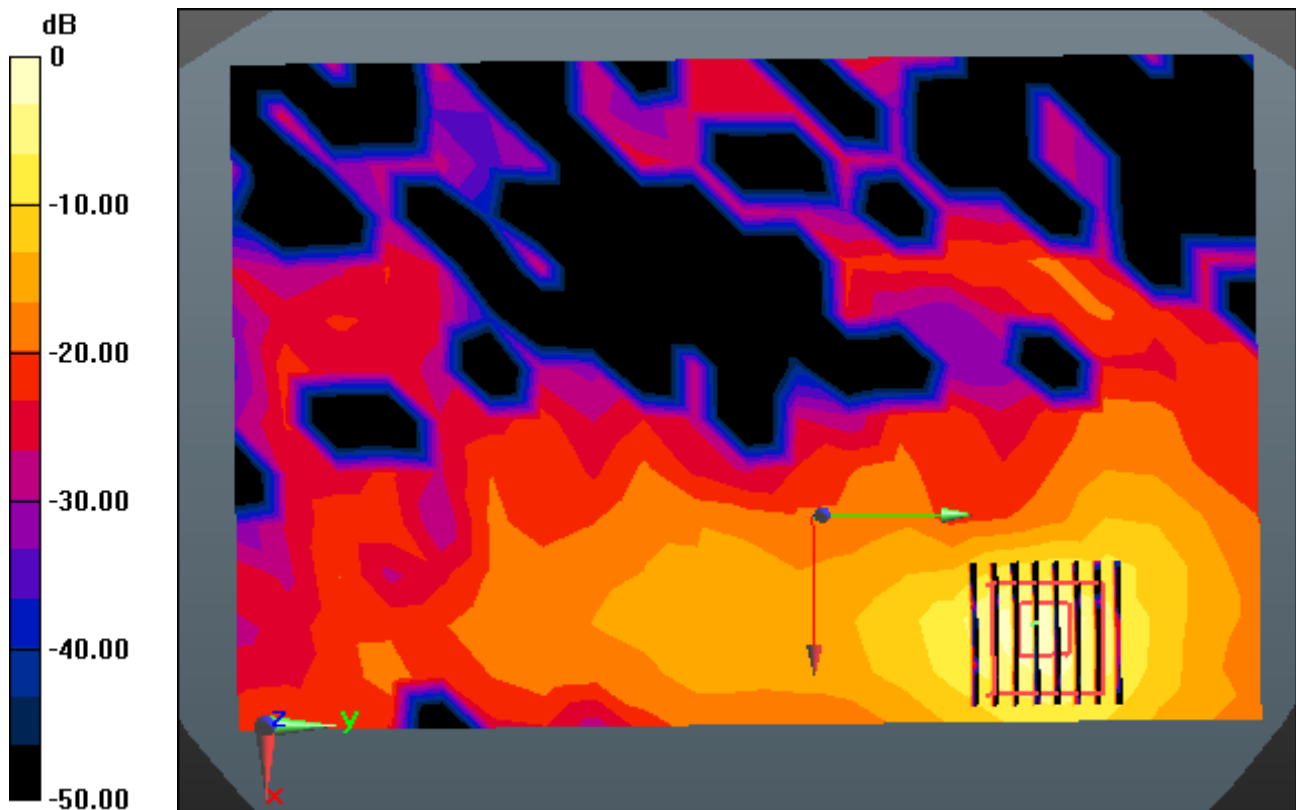
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.131 W/kg**



0 dB = 1.13 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.118 \text{ S/m}$ ;  $\epsilon_r = 46.536$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.33, 4.33, 4.33); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-05; Ambient Temp: 21.4; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, Ant.2**

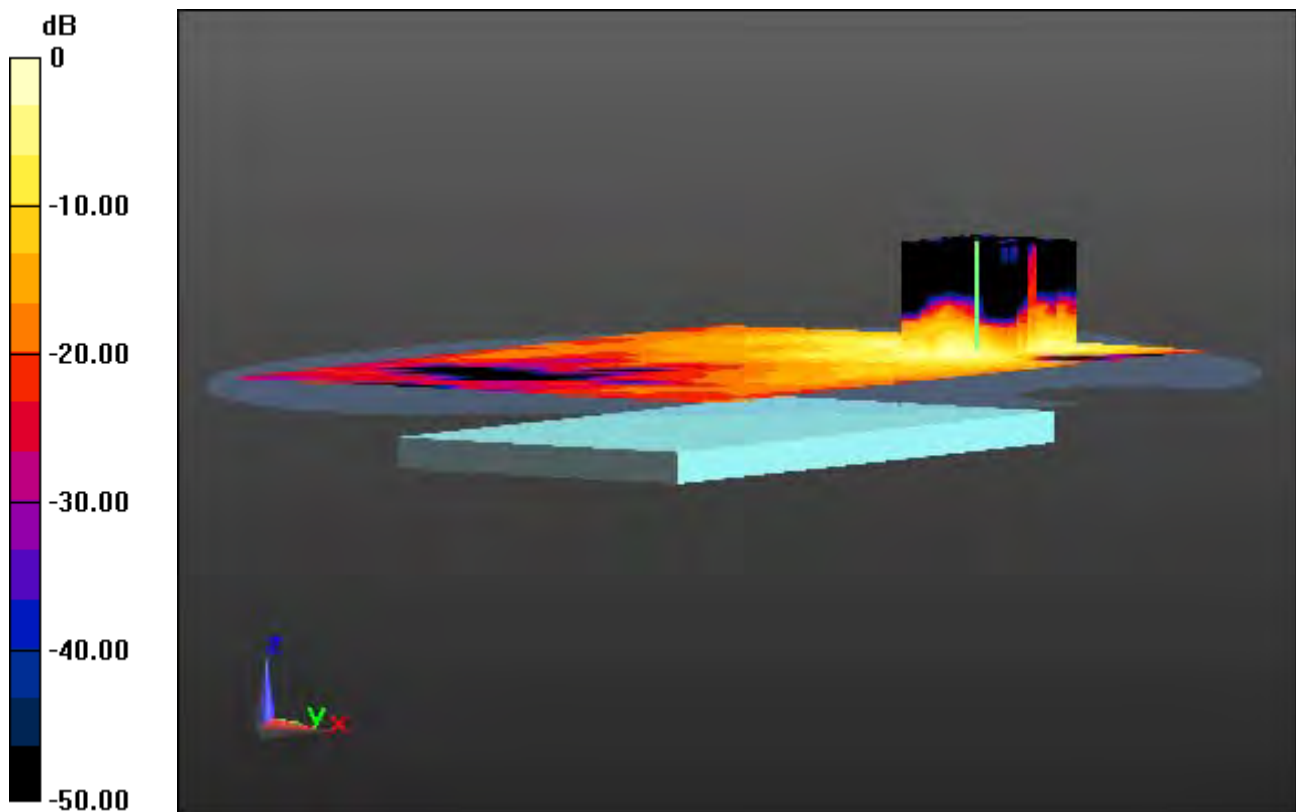
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.119 W/kg**



0 dB = 0.825 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.118 \text{ S/m}$ ;  $\epsilon_r = 46.536$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.33, 4.33, 4.33); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-05; Ambient Temp: 21.4; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, Ant.2**

### **With Enlarge Plot image**

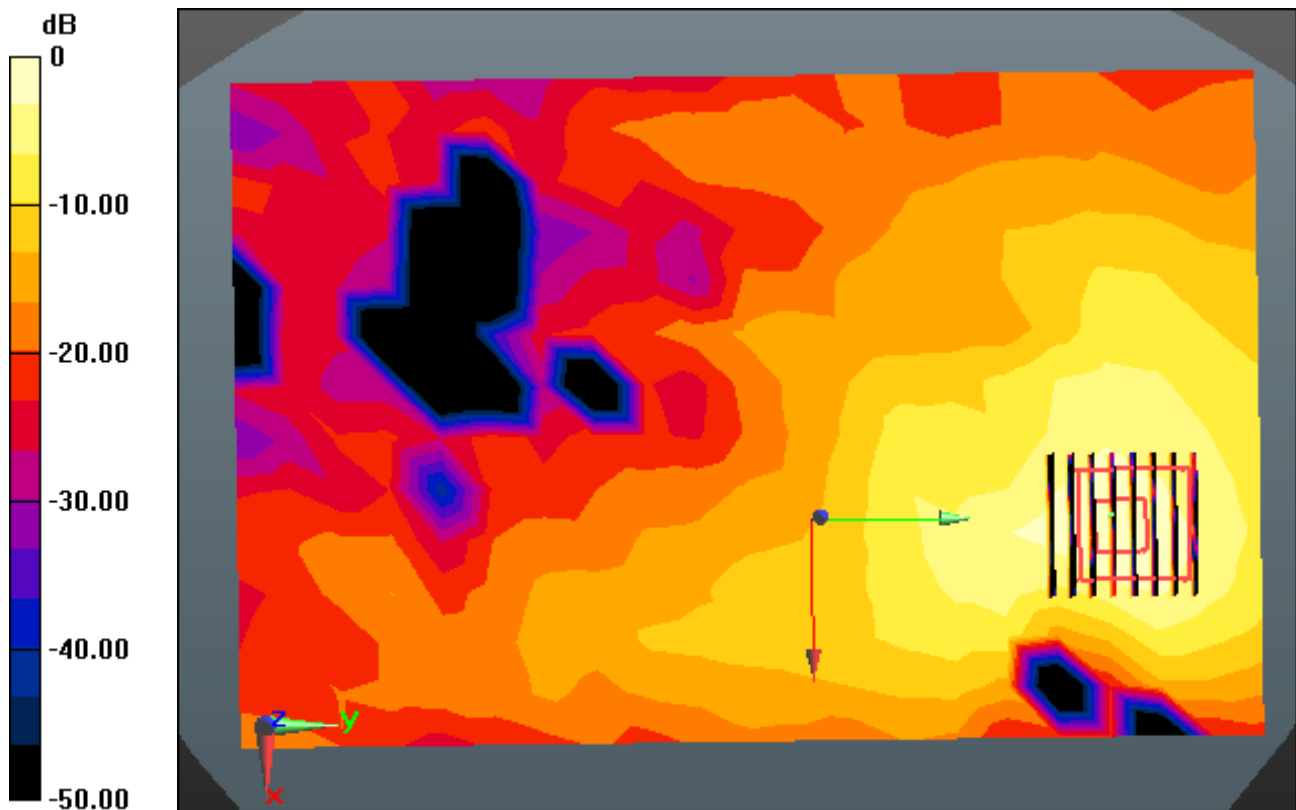
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.119 W/kg**



0 dB = 0.825 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.118 \text{ S/m}$ ;  $\epsilon_r = 46.536$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.33, 4.33, 4.33); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-05; Ambient Temp: 21.4; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, MIMO**

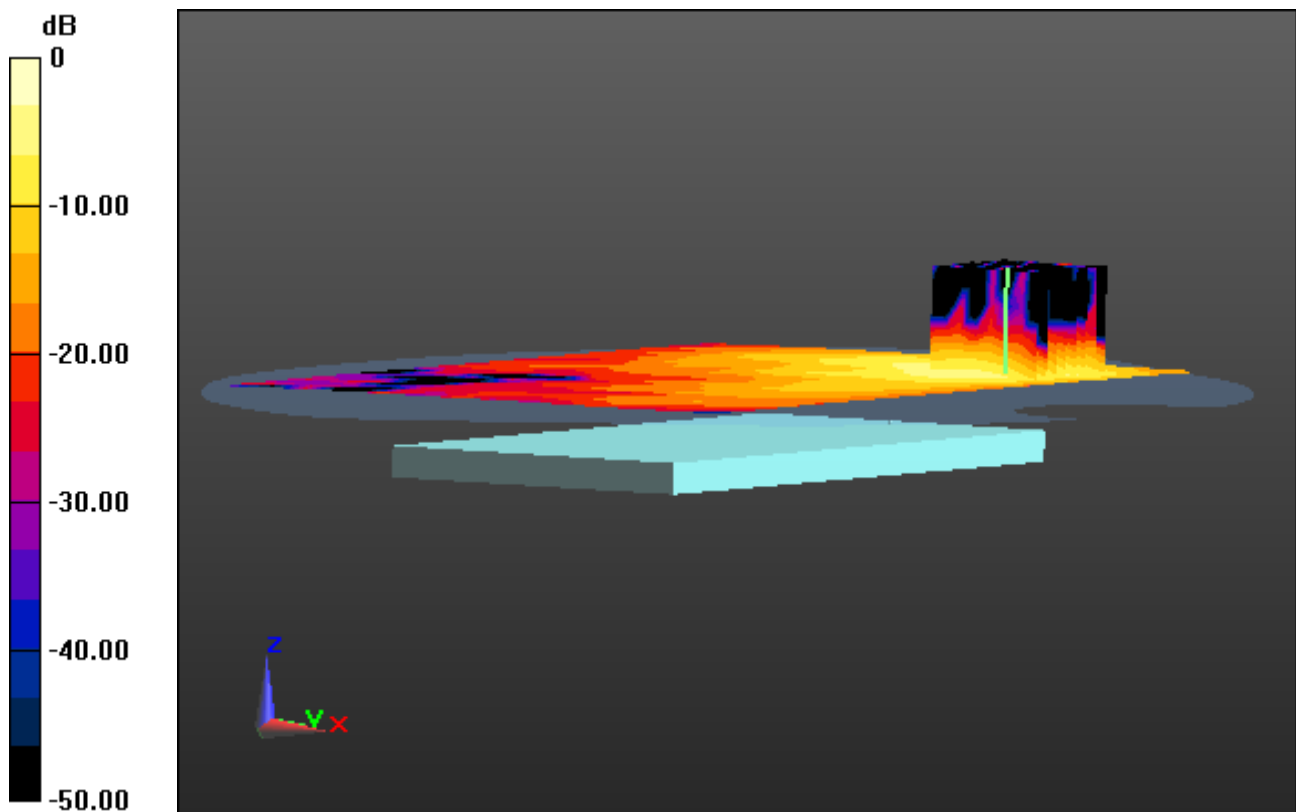
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.12 W/kg

**SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.152 W/kg**



## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.118 \text{ S/m}$ ;  $\epsilon_r = 46.536$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.33, 4.33, 4.33); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-05; Ambient Temp: 21.4; Tissue Temp: 21.9

**1 cm space from Body, Rear, W-LAN(5.8G 802.11a) Ch. 165, Ant Internal, MIMO**

### **With Enlarge Plot image**

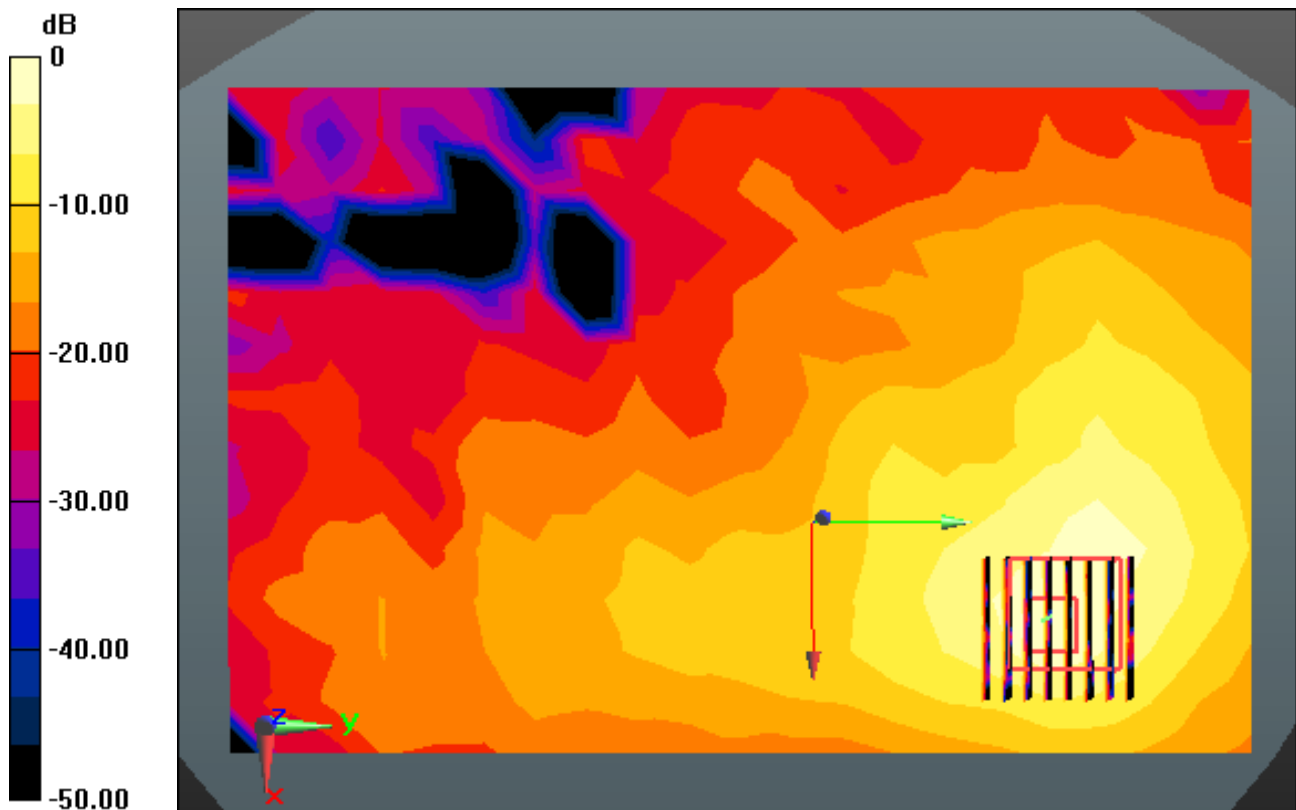
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.12 W/kg

**SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.152 W/kg**



0 dB = 1.17 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.542 \text{ S/m}$ ;  $\epsilon_r = 52.093$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.91, 4.91, 4.91); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.8

**1 cm space from Body, Bottom, PCS1900 GPRS 3 Tx Ch. 661, Ant. Internal**

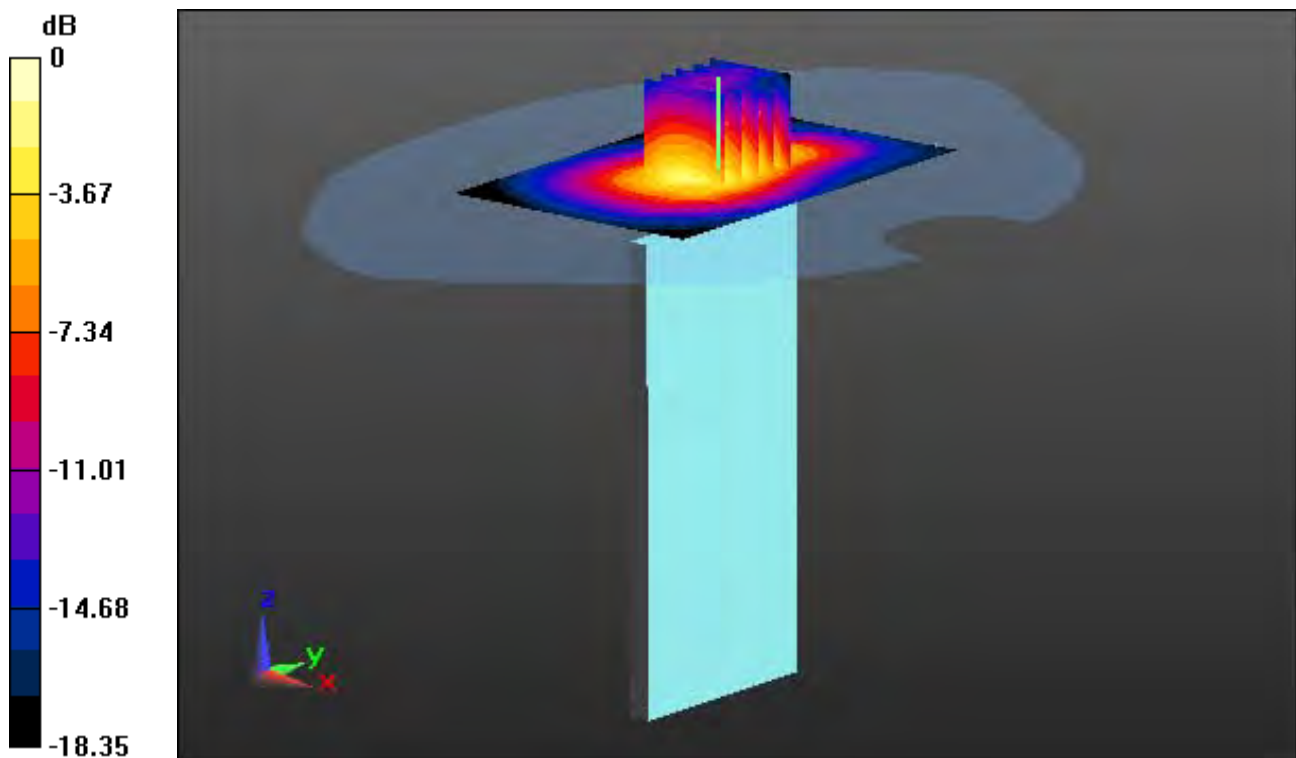
**Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.124 W/kg**



0 dB = 0.270 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.542$  S/m;  $\epsilon_r = 52.093$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.91, 4.91, 4.91); Calibrated: 3/21/2017; Electronics: DAE3 Sn519

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2017-09-20; Ambient Temp: 21.9; Tissue Temp: 21.8

**1 cm space from Body, Bottom, PCS1900 GPRS 3 Tx Ch. 661, Ant. Internal**

**With Enlarge Plot image**

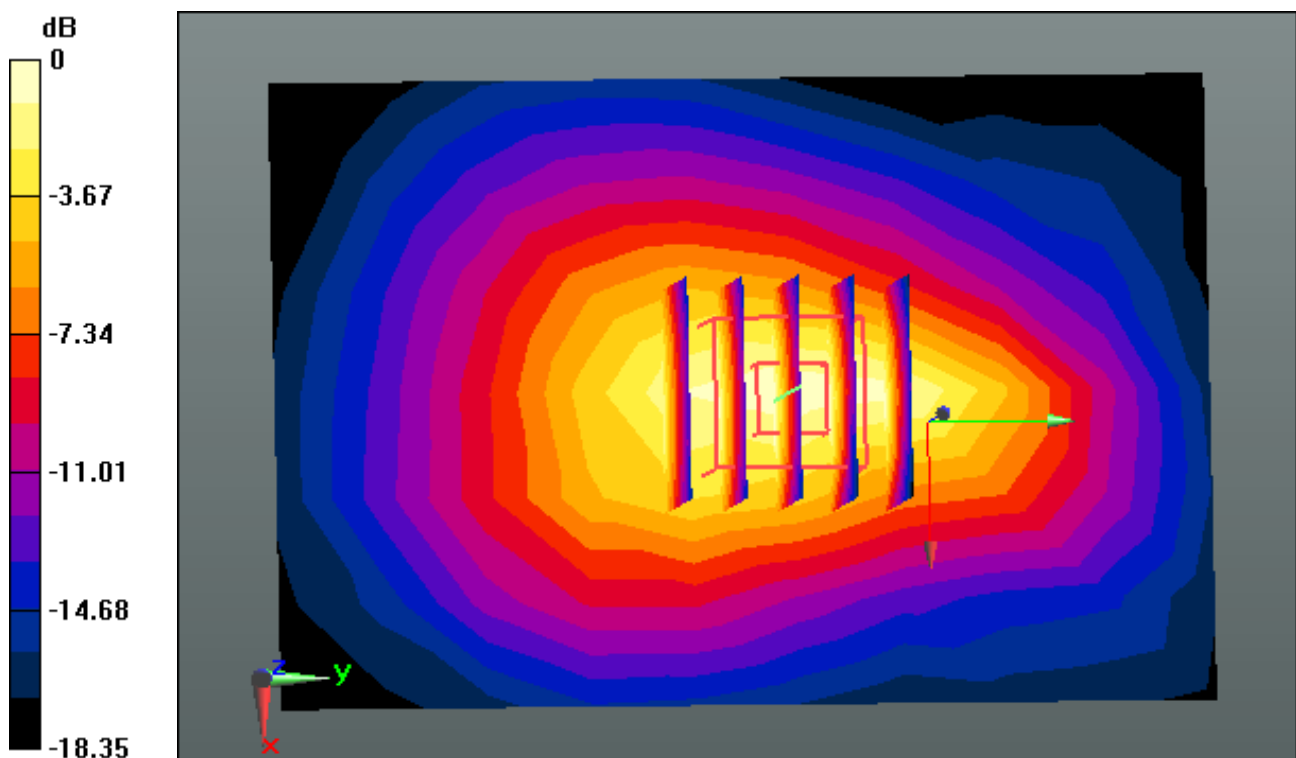
**Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.124 W/kg**



0 dB = 0.270 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.974 \text{ S/m}$ ;  $\epsilon_r = 51.113$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Left, W-LAN(2.4G 802.11b) Ch. 11, Ant Internal, Ant.1**

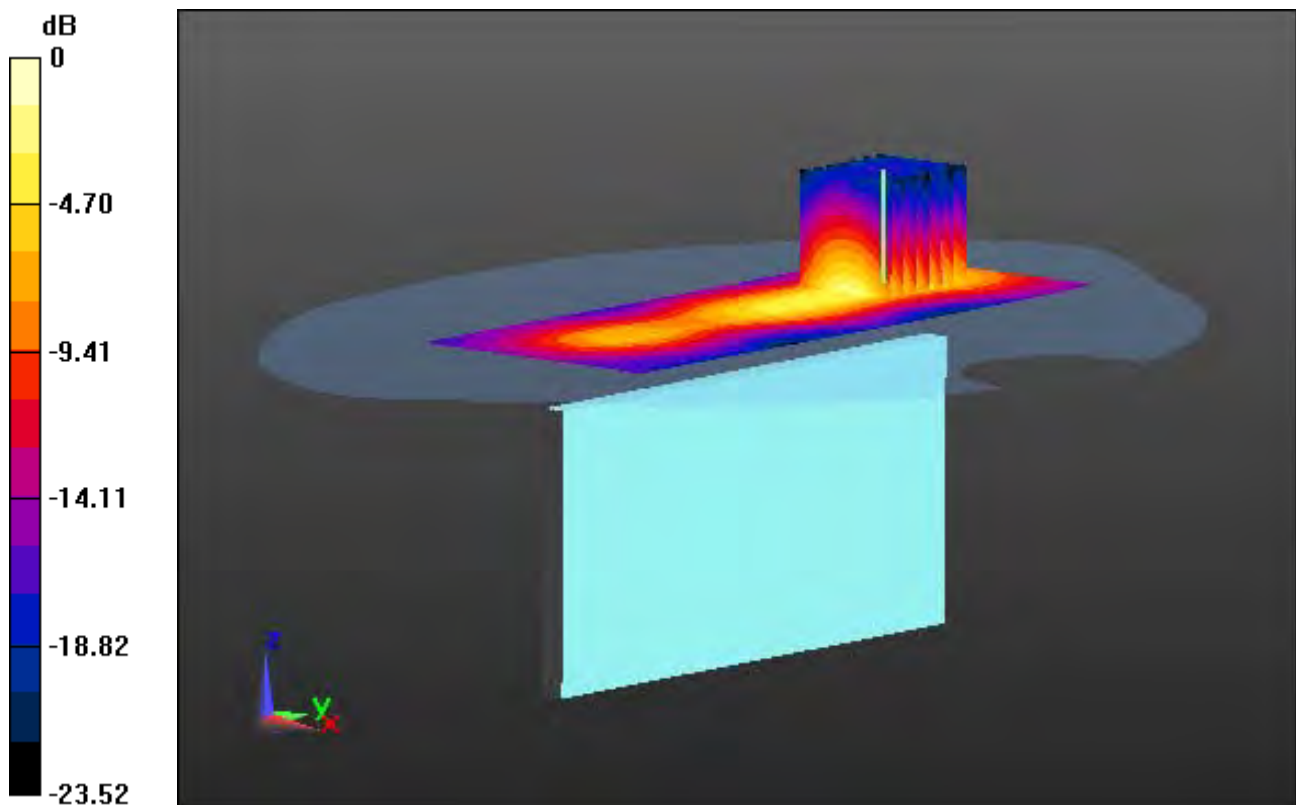
**Area Scan (7x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.315 W/kg

**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.063 W/kg**



0 dB = 0.197 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.974 \text{ S/m}$ ;  $\epsilon_r = 51.113$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Left, W-LAN(2.4G 802.11b) Ch. 11, Ant Internal, Ant.1**

### **With Enlarge Plot image**

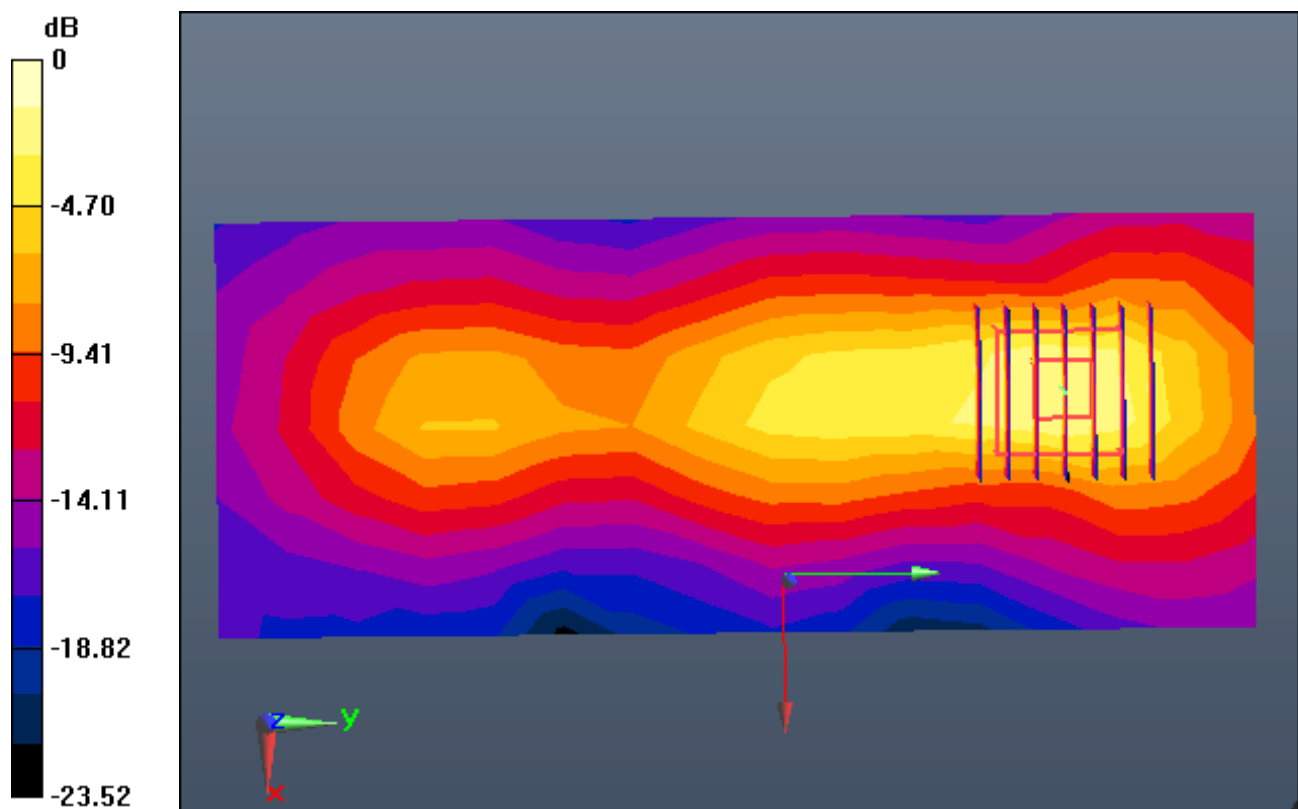
**Area Scan (7x16x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.315 W/kg

**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.063 W/kg**



0 dB = 0.197 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.952$  S/m;  $\epsilon_r = 51.156$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Left, Bluetooth(BDR 1M) Ch. 39, Ant Internal**

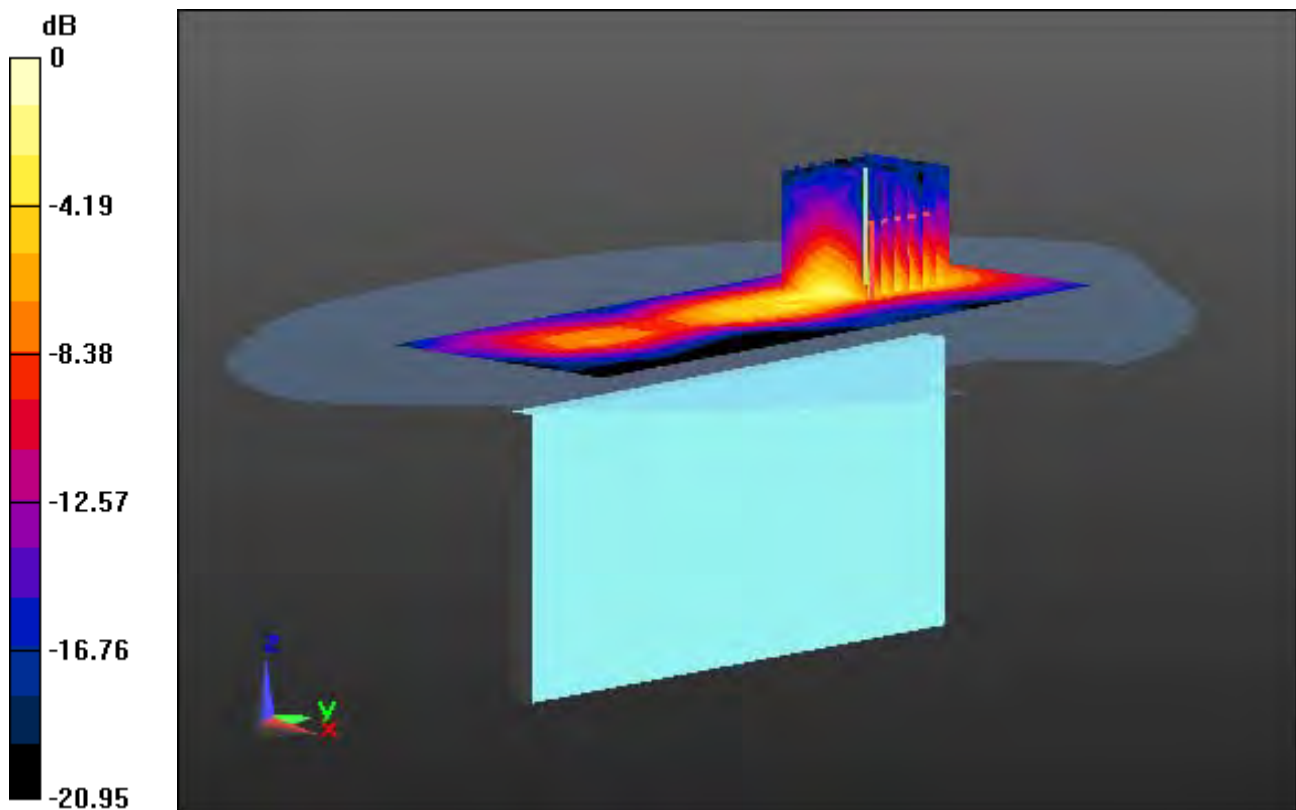
**Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.103 W/kg

**SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.020 W/kg**



0 dB = 0.0594 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.952$  S/m;  $\epsilon_r = 51.156$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-10-10; Ambient Temp: 21.7; Tissue Temp: 22.3

**1 cm space from Body, Left, Bluetooth(BDR 1M) Ch. 39, Ant Internal**

**With Enlarge Plot image**

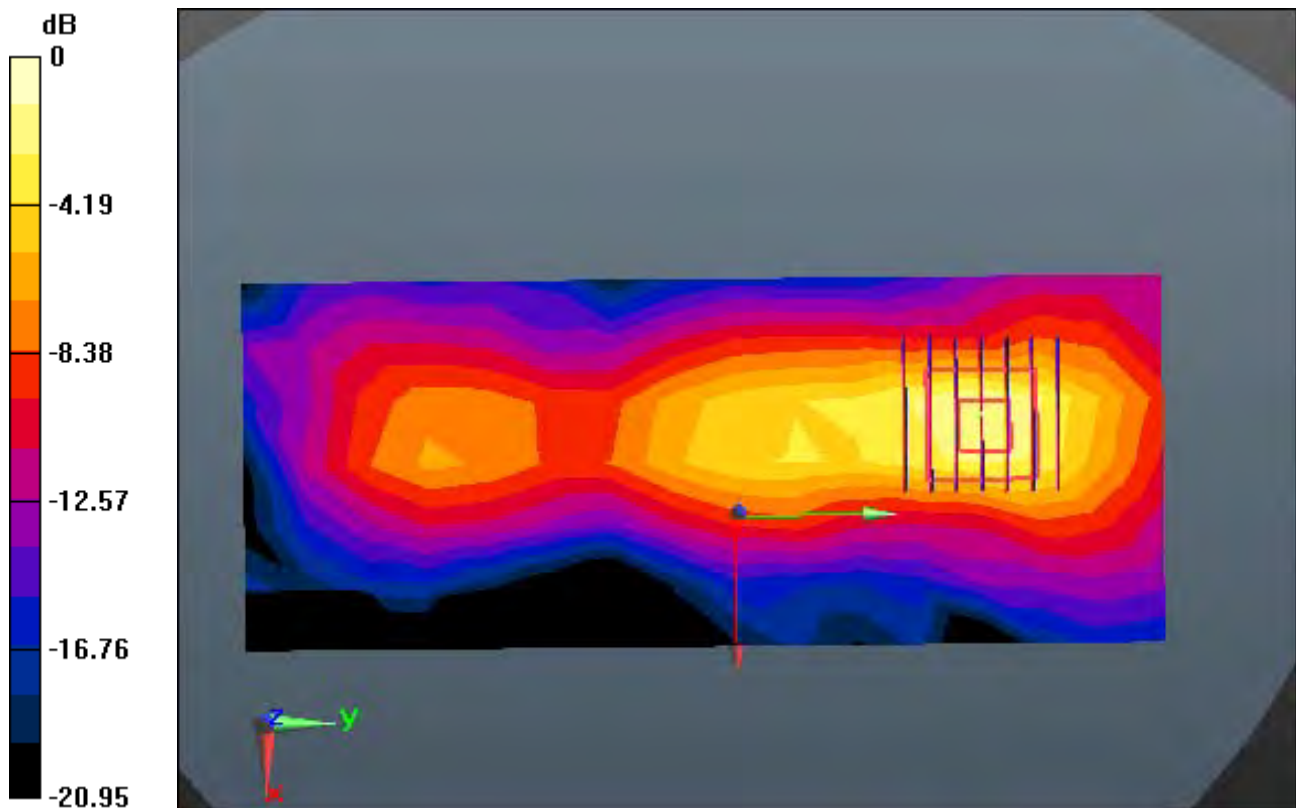
**Area Scan (7x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.103 W/kg

**SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.020 W/kg**



0 dB = 0.0594 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5220 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5220 \text{ MHz}$ ;  $\sigma = 5.456 \text{ S/m}$ ;  $\epsilon_r = 47.887$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.87, 4.87, 4.87); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-25; Ambient Temp: 21.6; Tissue Temp: 22.1

**1 cm space from Body, Rear, W-LAN(5.2G 802.11a) Ch. 44, Ant Internal, Ant.1**

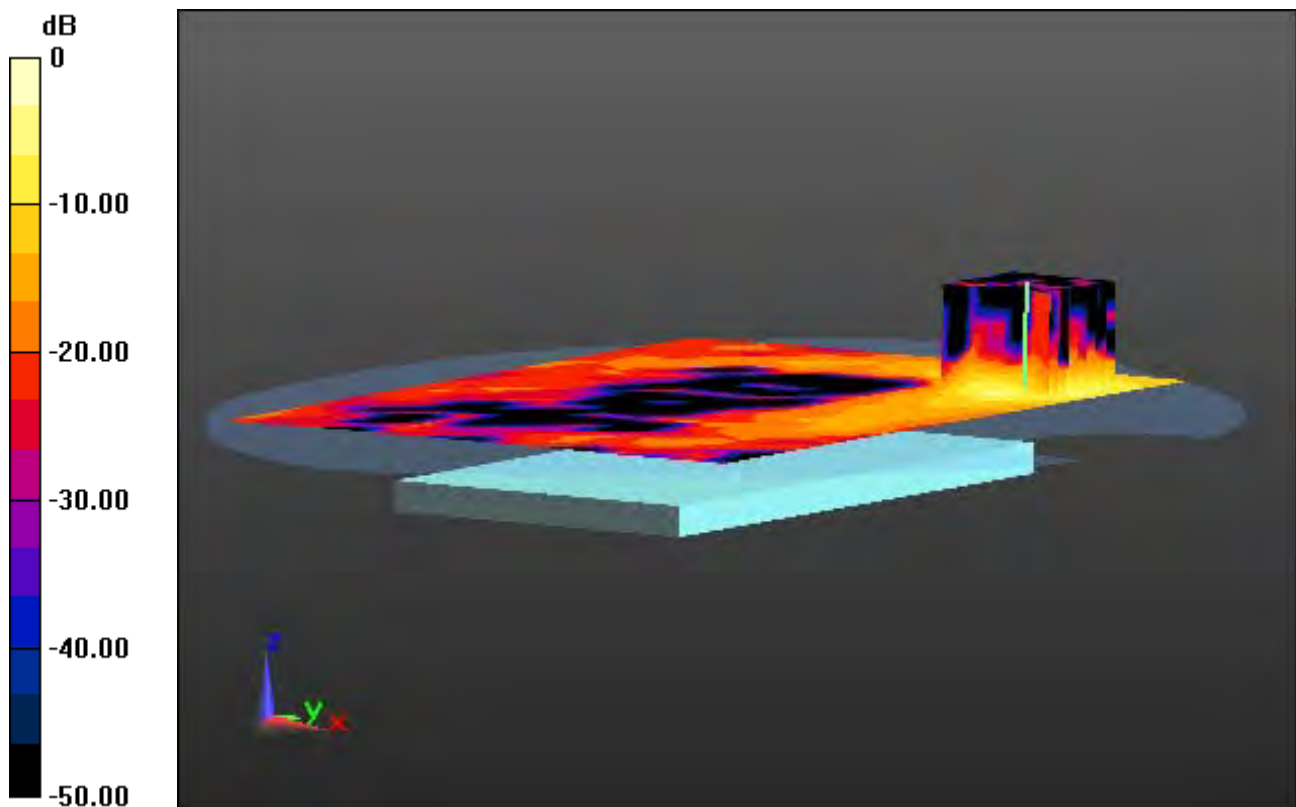
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.933 W/kg

**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.076 W/kg**



0 dB = 0.547 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5220 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5220 \text{ MHz}$ ;  $\sigma = 5.456 \text{ S/m}$ ;  $\epsilon_r = 47.887$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.87, 4.87, 4.87); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-25; Ambient Temp: 21.6; Tissue Temp: 22.1

**1 cm space from Body, Rear, W-LAN(5.2G 802.11a) Ch. 44, Ant Internal, Ant.1**

### **With Enlarge Plot image**

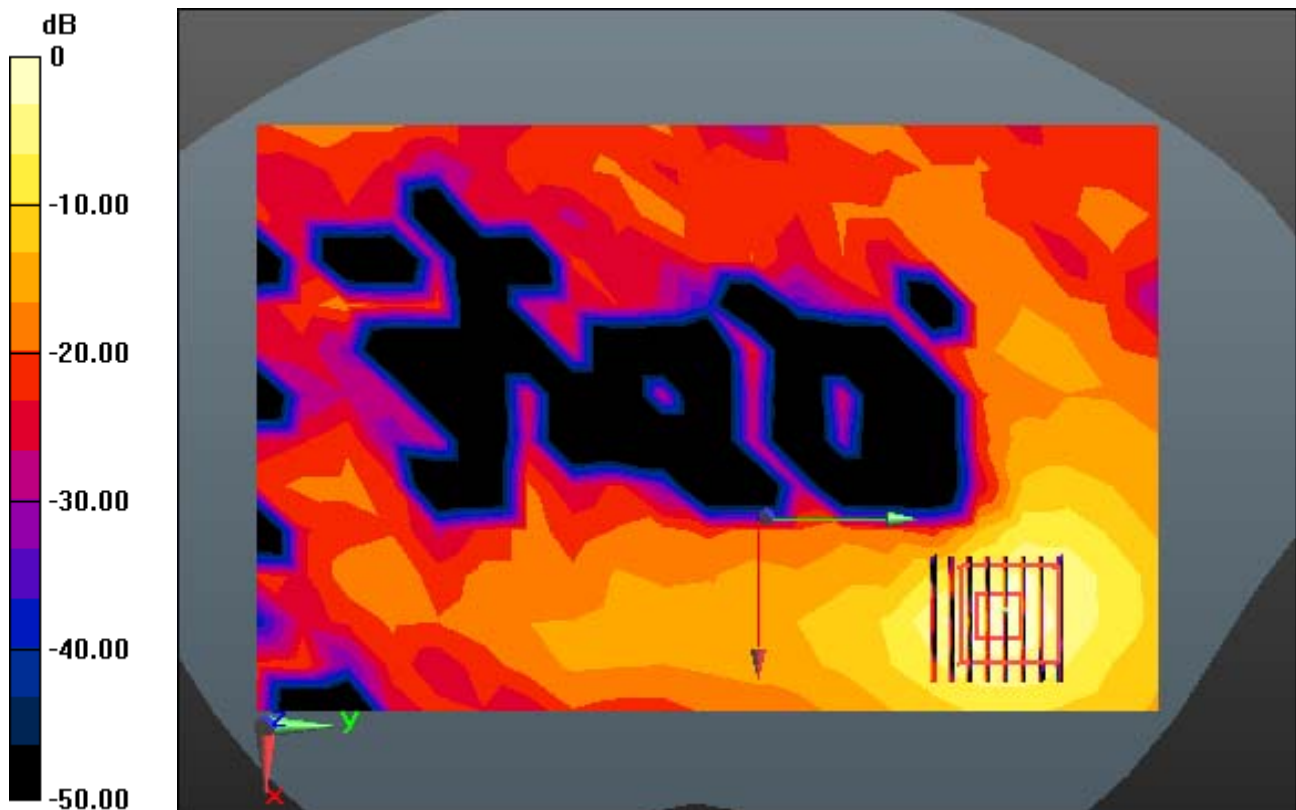
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.933 W/kg

**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.076 W/kg**



0 dB = 0.547 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.483 \text{ S/m}$ ;  $\epsilon_r = 47.846$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.87, 4.87, 4.87); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-25; Ambient Temp: 21.6; Tissue Temp: 22.1

**1 cm space from Body, Rear, W-LAN(5.2G 802.11a) Ch. 48, Ant Internal, Ant.2**

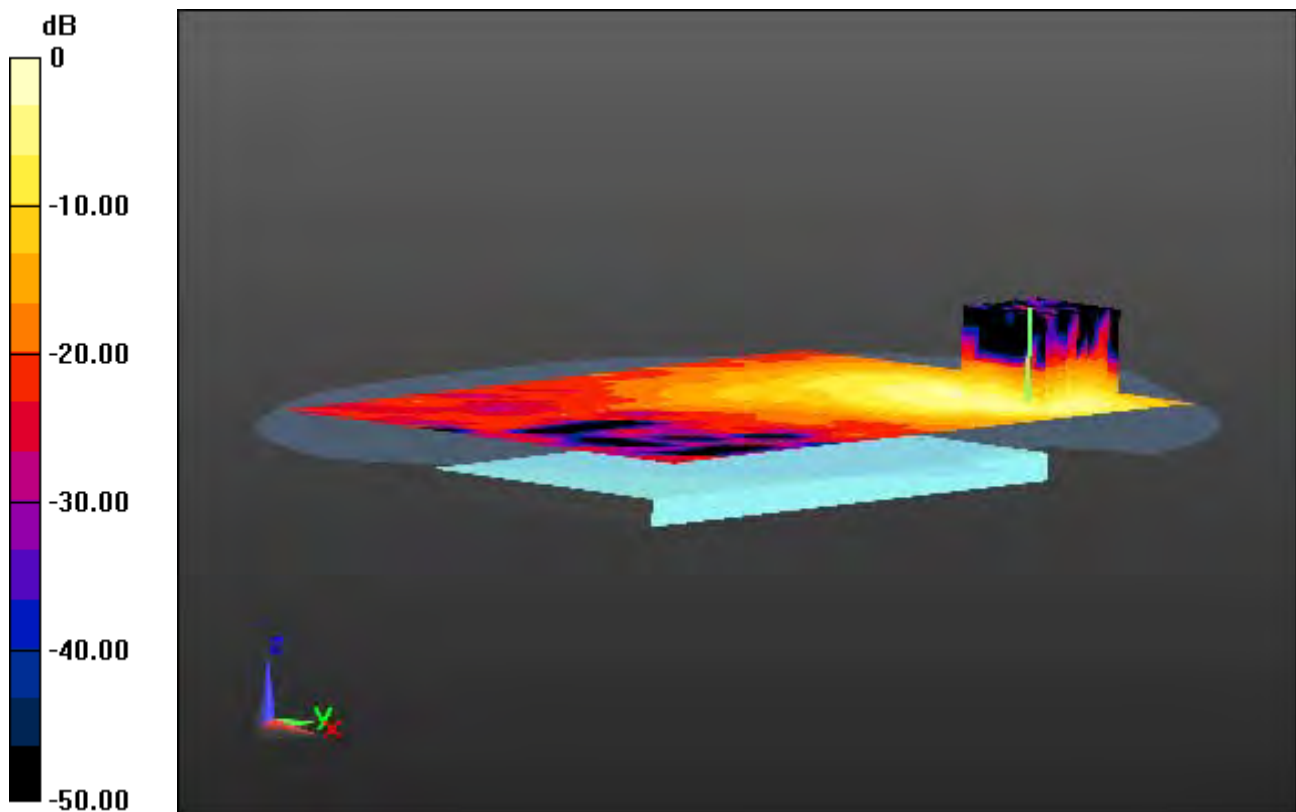
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.59 W/kg

**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.157 W/kg**



0 dB = 0.930 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.483 \text{ S/m}$ ;  $\epsilon_r = 47.846$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.87, 4.87, 4.87); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-25; Ambient Temp: 21.6; Tissue Temp: 22.1

**1 cm space from Body, Rear, W-LAN(5.2G 802.11a) Ch. 48, Ant Internal, Ant.2**

### **With Enlarge Plot image**

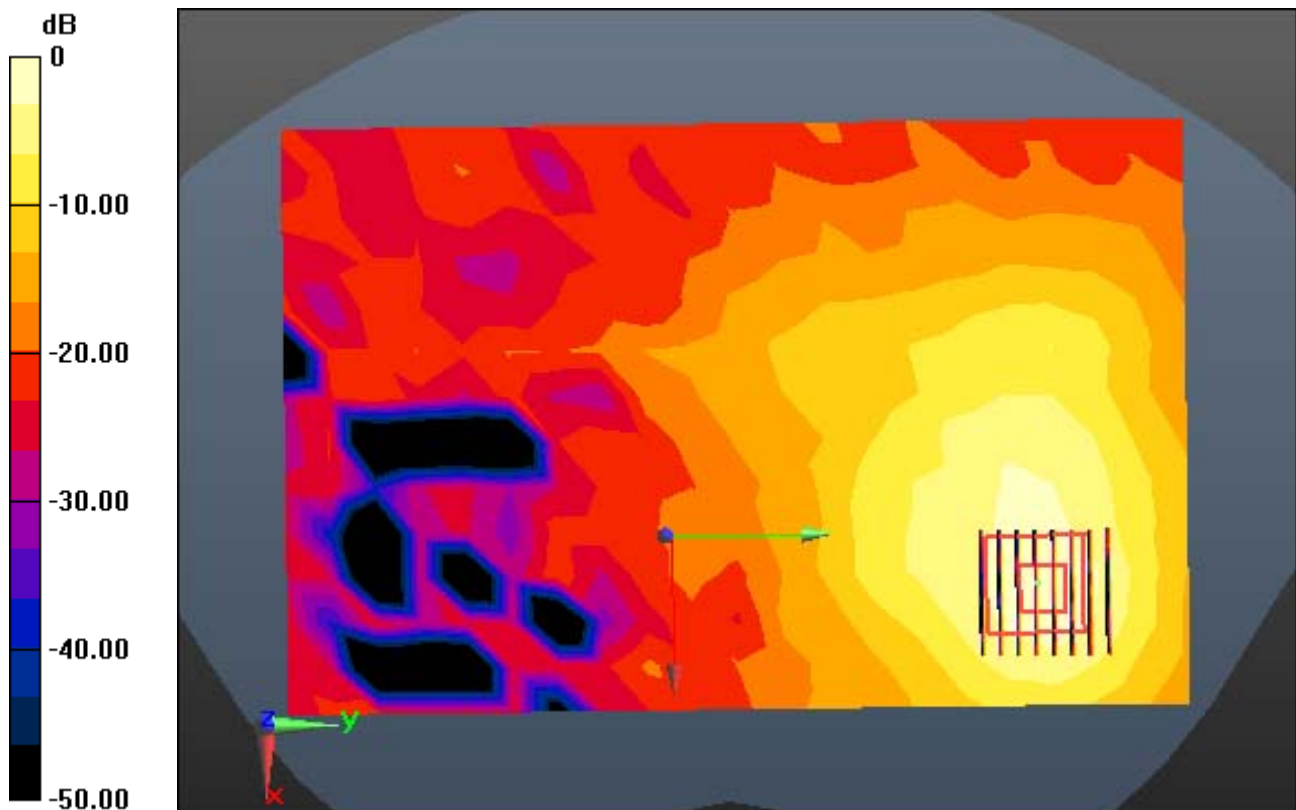
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.59 W/kg

**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.157 W/kg**



0 dB = 0.930 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.483 \text{ S/m}$ ;  $\epsilon_r = 47.846$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.87, 4.87, 4.87); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-25; Ambient Temp: 21.6; Tissue Temp: 22.1

**1 cm space from Body, Rear, W-LAN(5.2G 802.11a) Ch. 48, Ant Internal, MIMO**

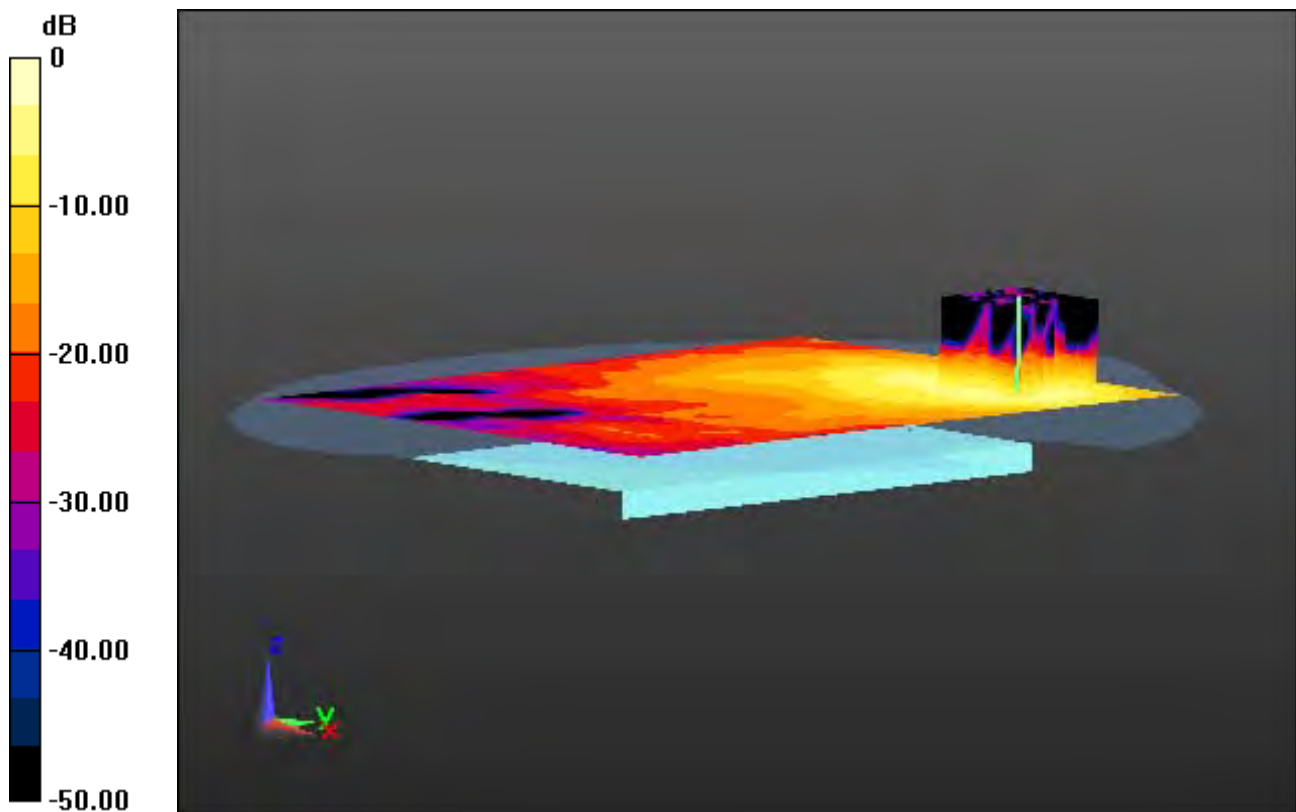
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.205 W/kg**



0 dB = 1.22 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.483$  S/m;  $\epsilon_r = 47.846$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.87, 4.87, 4.87); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-25; Ambient Temp: 21.6; Tissue Temp: 22.1

**1 cm space from Body, Rear, W-LAN(5.2G 802.11a) Ch. 48, Ant Internal, MIMO**

**With Enlarge Plot image**

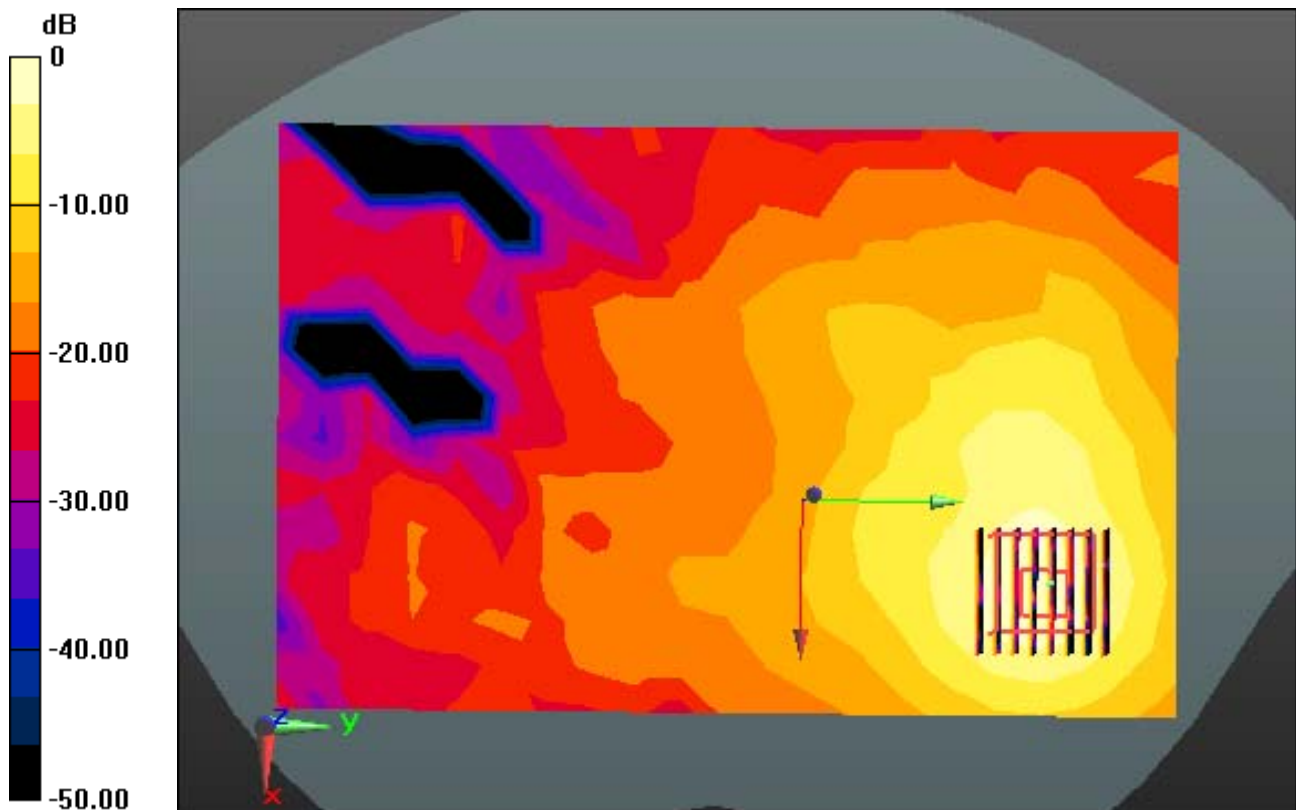
**Area Scan (14x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.205 W/kg**



0 dB = 1.22 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.1**

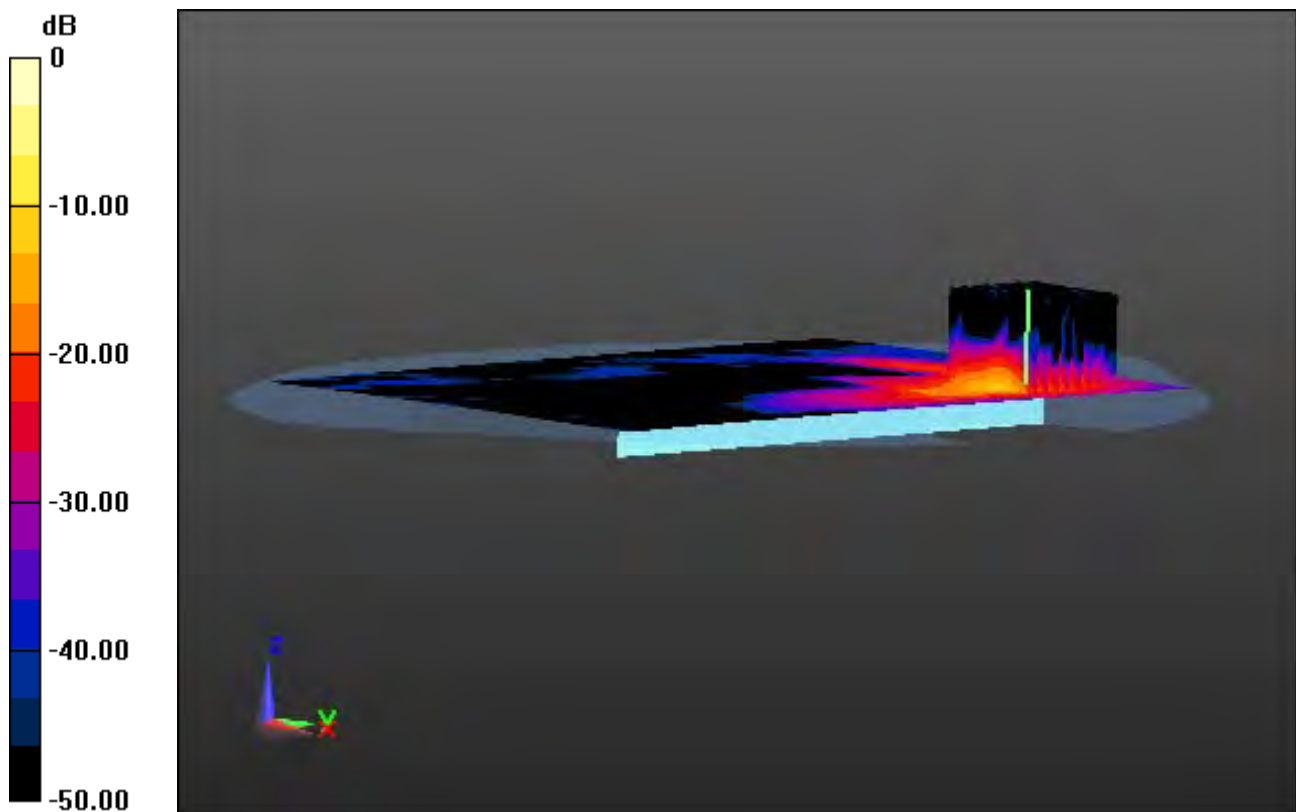
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 49.1 W/kg

**SAR(1 g) = 5.17 W/kg; SAR(10 g) = 0.978 W/kg**



0 dB = 22.4 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.1**

### **With Enlarge Plot image**

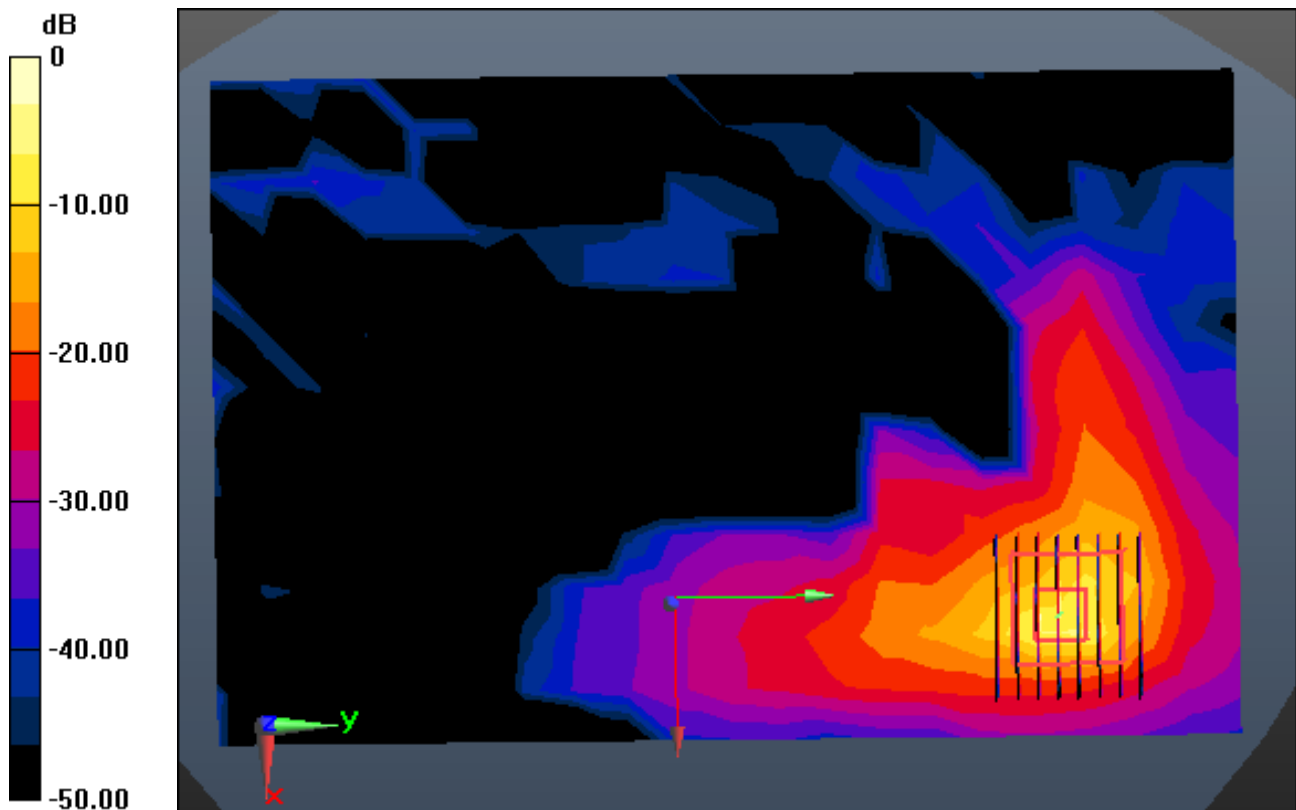
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 49.1 W/kg

**SAR(1 g) = 5.17 W/kg; SAR(10 g) = 0.978 W/kg**



0 dB = 22.4 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.2**

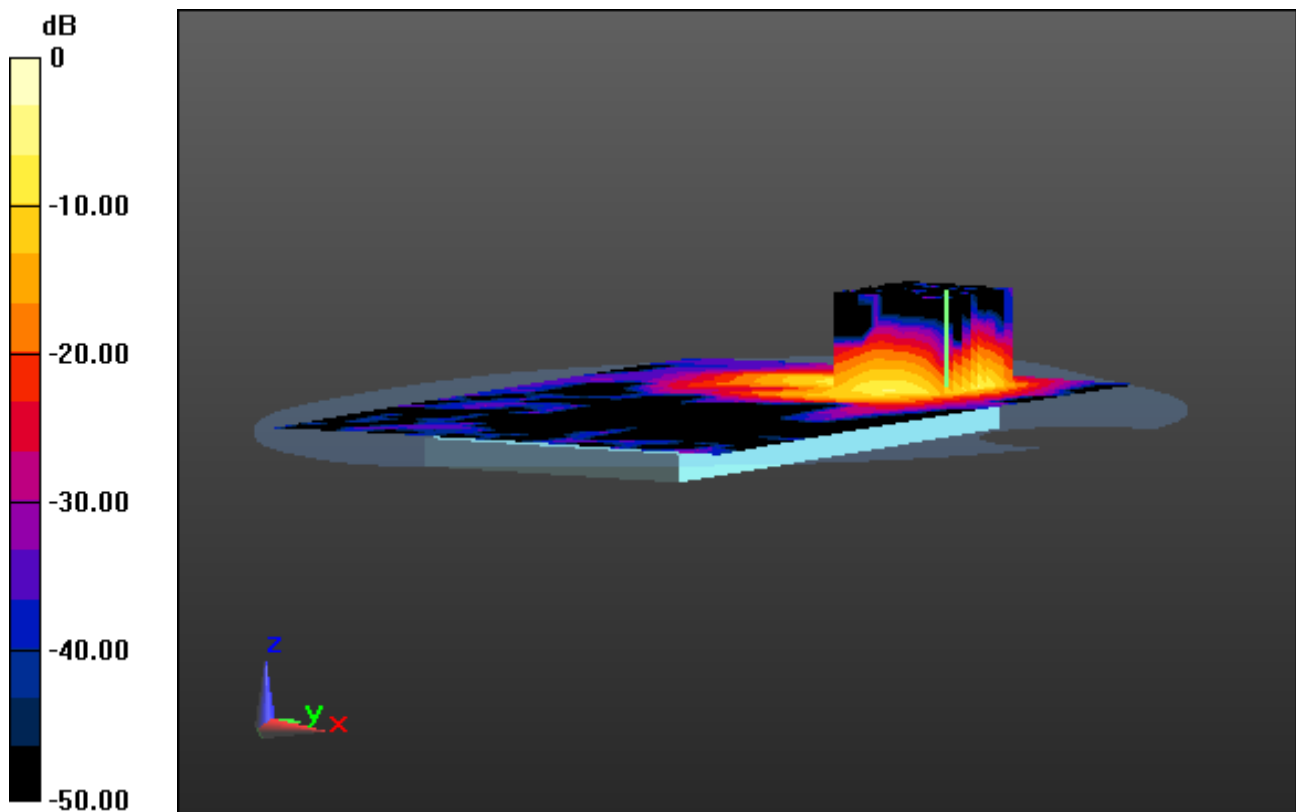
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 18.4 W/kg

**SAR(1 g) = 3.25 W/kg; SAR(10 g) = 0.989 W/kg**



## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.48 \text{ S/m}$ ;  $\epsilon_r = 48.032$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 52, Ant Internal, Ant.2**

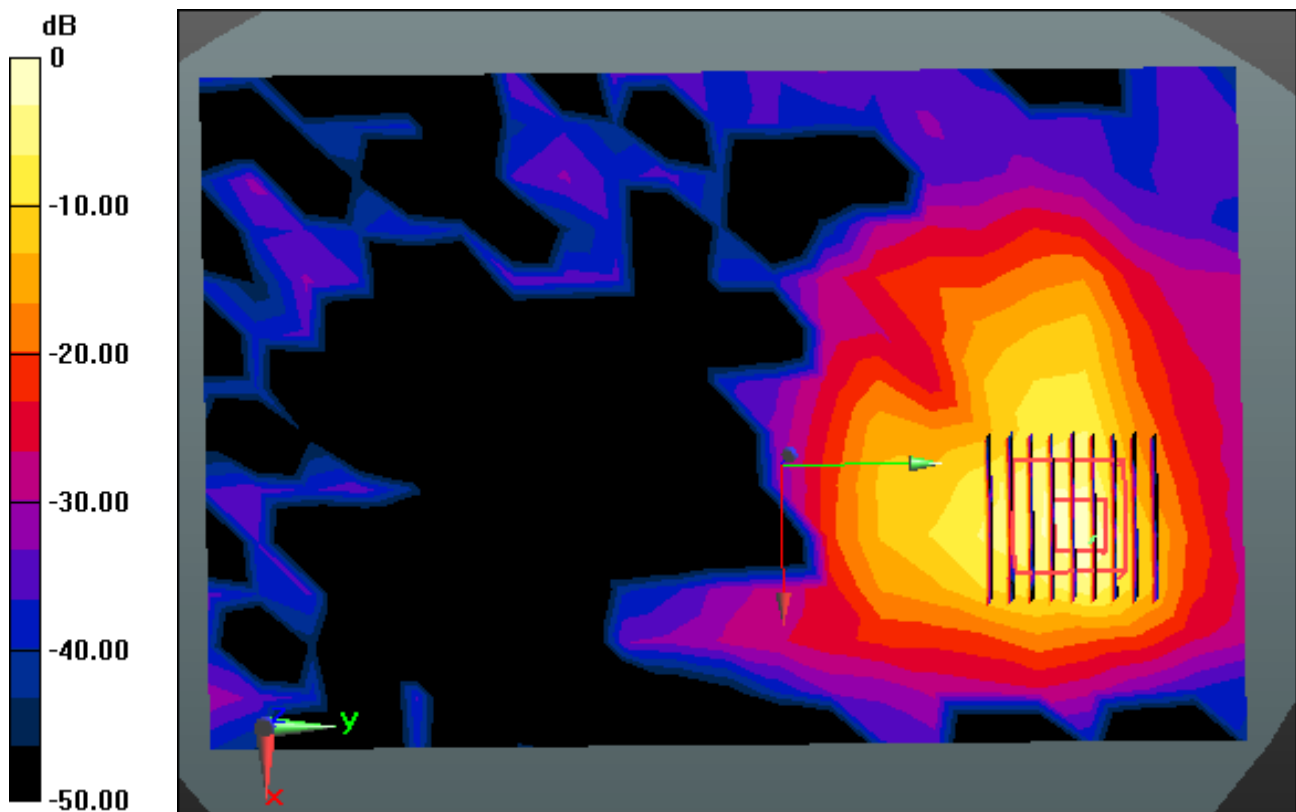
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 18.4 W/kg

**SAR(1 g) = 3.25 W/kg; SAR(10 g) = 0.989 W/kg**



0 dB = 8.94 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.537 \text{ S/m}$ ;  $\epsilon_r = 47.939$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 60, Ant Internal, MIMO**

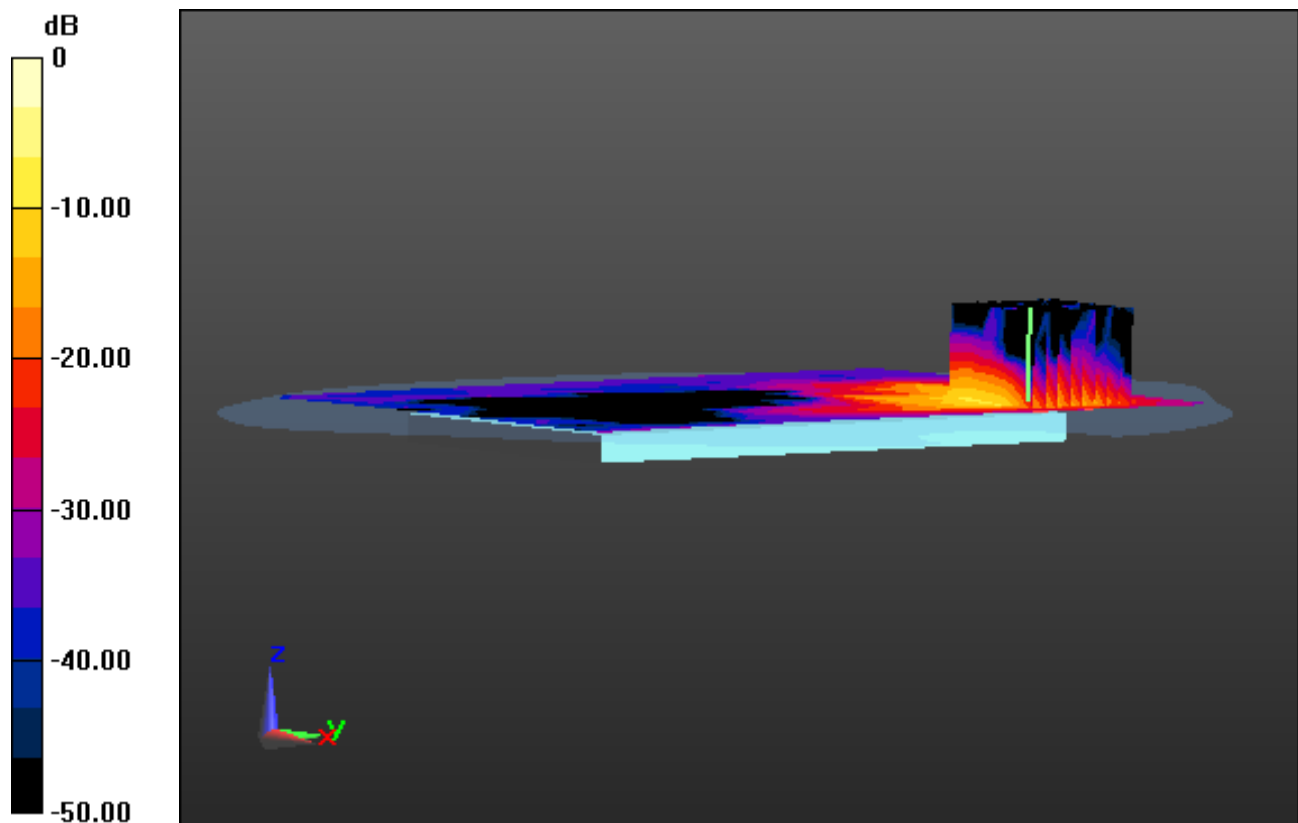
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 45.0 W/kg

**SAR(1 g) = 5.92 W/kg; SAR(10 g) = 1.74 W/kg**



0 dB = 19.0 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.537 \text{ S/m}$ ;  $\epsilon_r = 47.939$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 60, Ant Internal, MIMO**

### **With Enlarge Plot image**

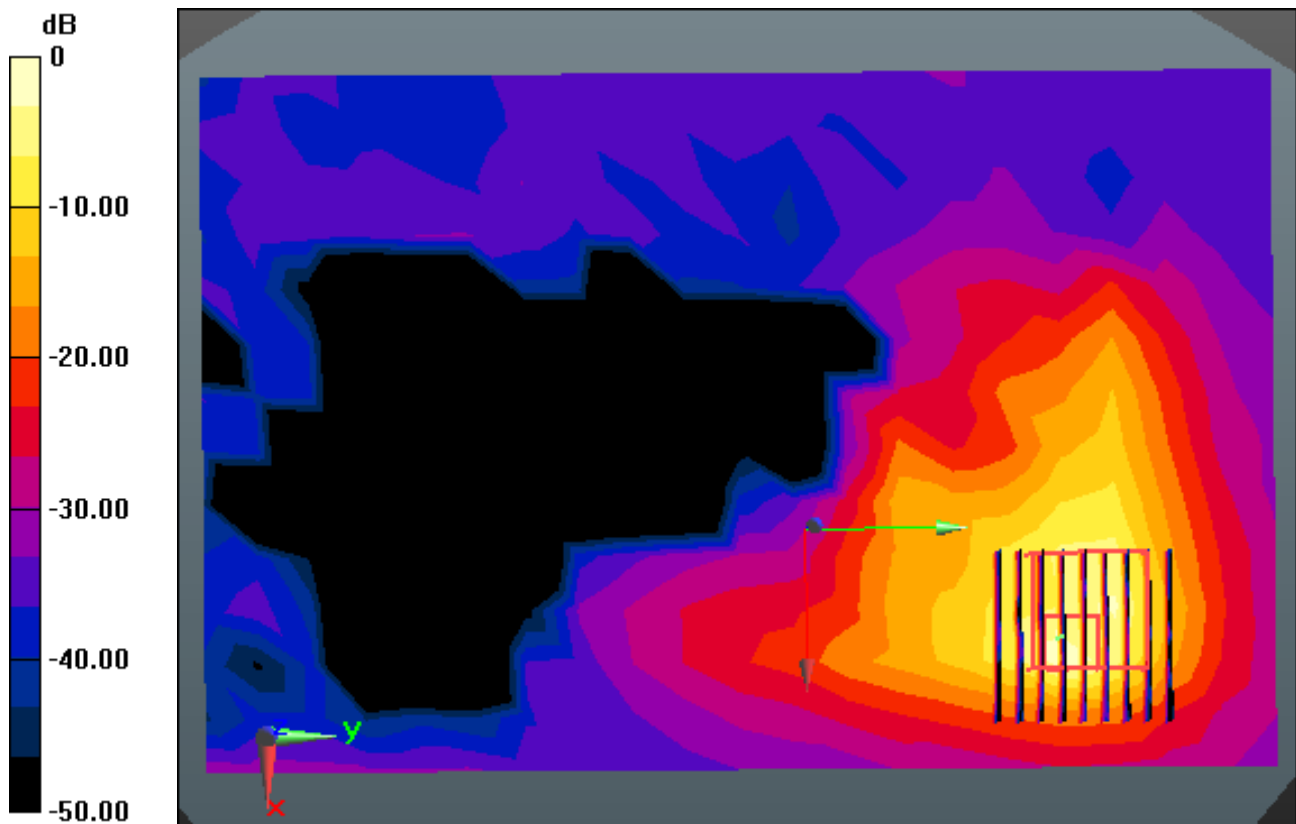
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 45.0 W/kg

**SAR(1 g) = 5.92 W/kg; SAR(10 g) = 1.74 W/kg**



0 dB = 19.0 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.537$  S/m;  $\epsilon_r = 47.939$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 60, Ant Internal, MIMO**

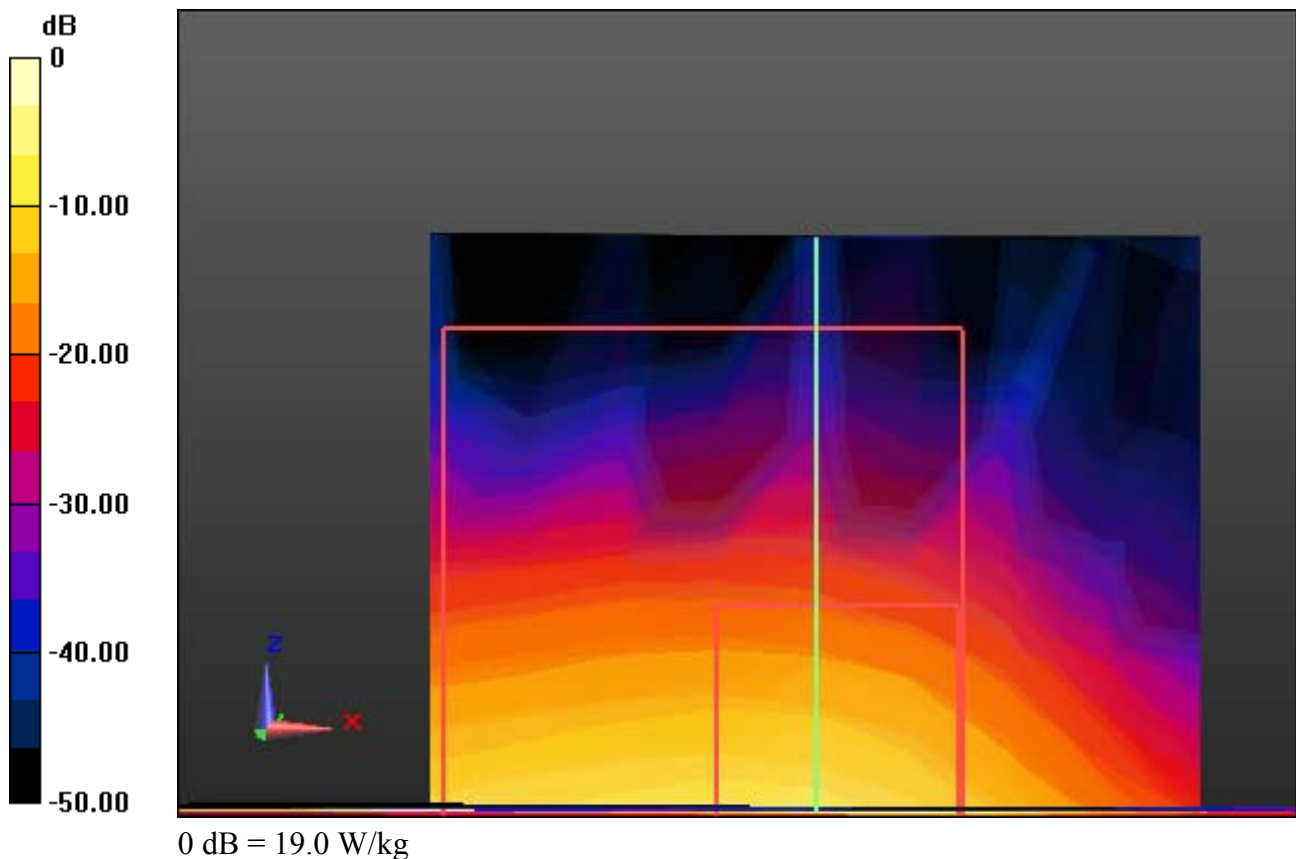
**Area Scan (14x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 45.0 W/kg

**SAR(1 g) = 5.92 W/kg; SAR(10 g) = 1.74 W/kg**



## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.537$  S/m;  $\epsilon_r = 47.939$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.7, 4.7, 4.7); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-27; Ambient Temp: 21.1; Tissue Temp: 21.7

**Touch from Body, Rear, W-LAN(5.3G 802.11a) Ch. 60, Ant Internal, MIMO**

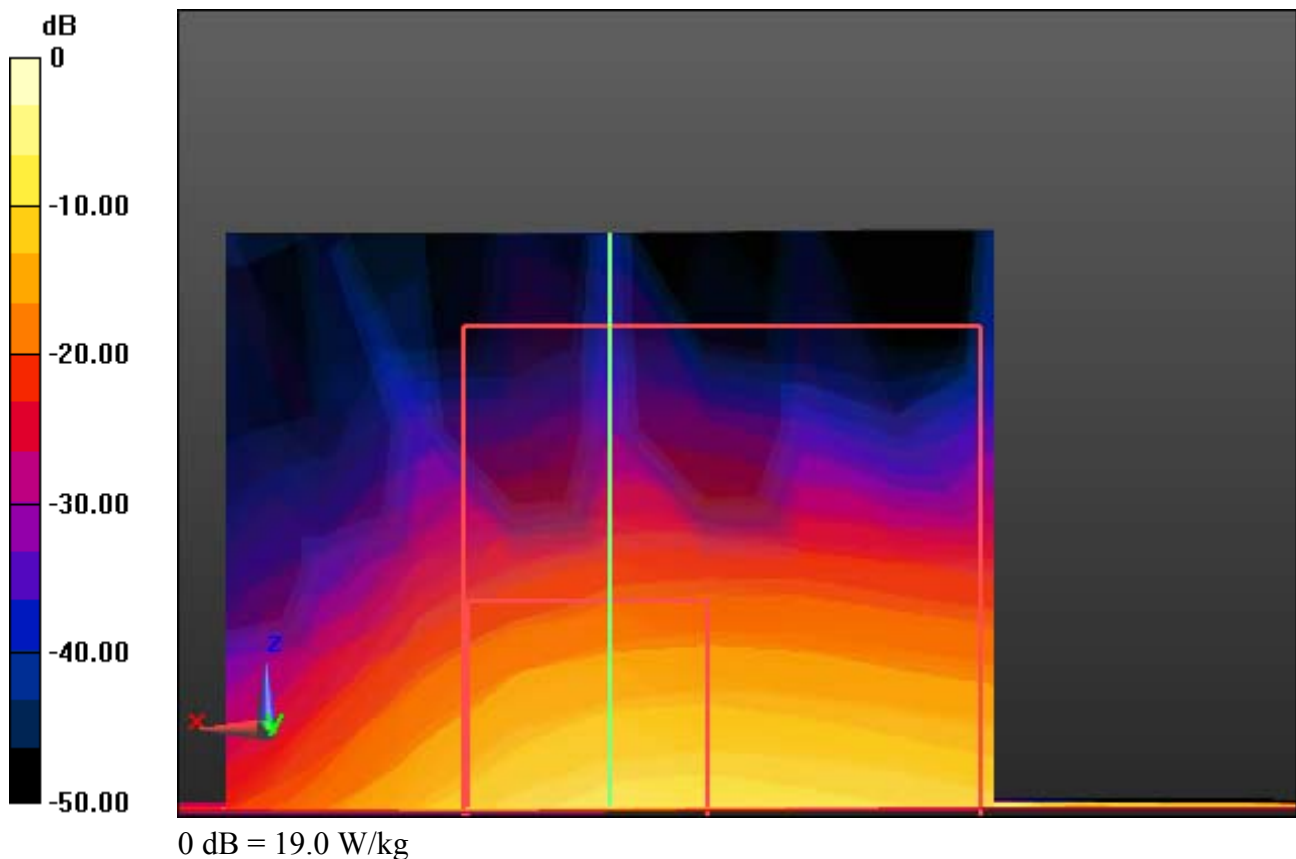
**Area Scan (14x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 45.0 W/kg

**SAR(1 g) = 5.92 W/kg; SAR(10 g) = 1.74 W/kg**



## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.845 \text{ S/m}$ ;  $\epsilon_r = 46.74$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**Touch from Body, Rear, W-LAN(5.6G 802.11a) Ch. 116, Ant Internal, Ant.1**

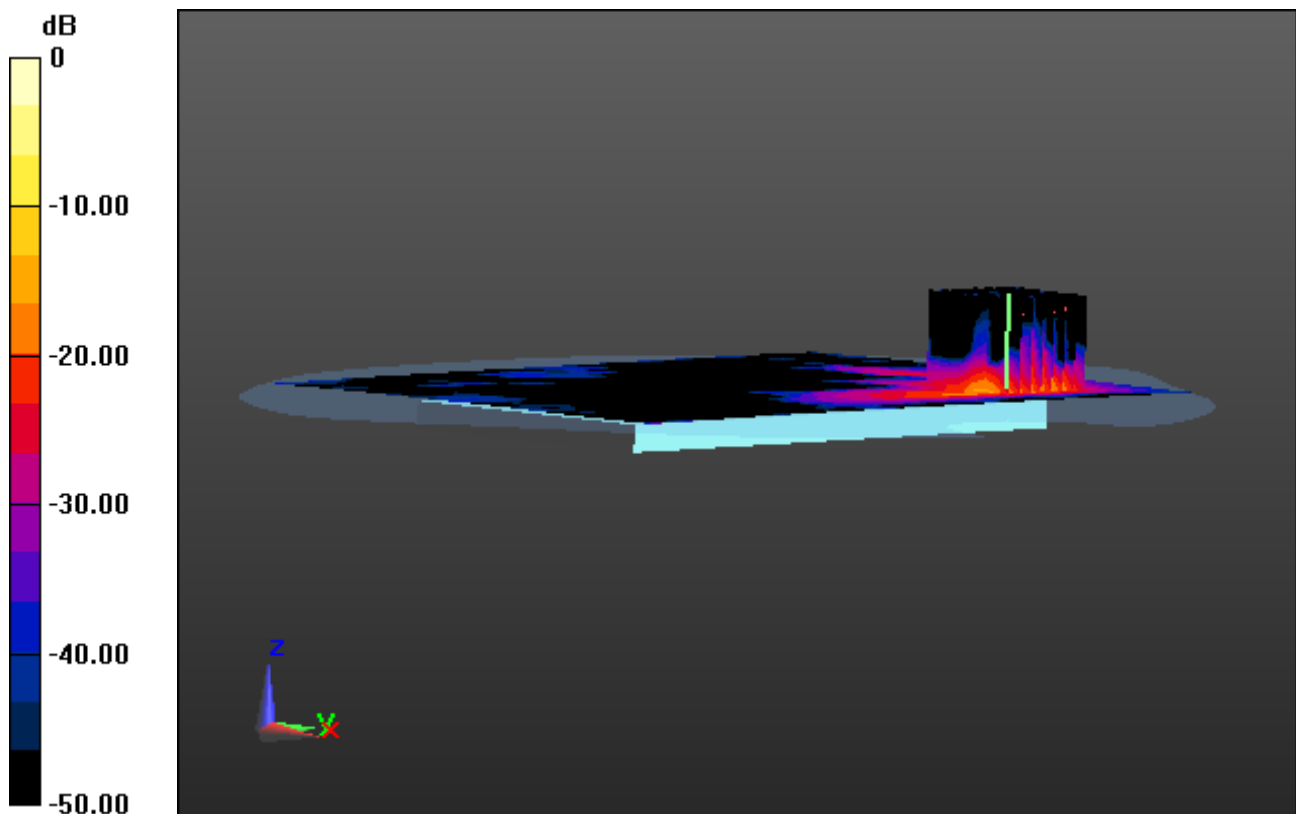
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 56.5 W/kg

**SAR(1 g) = 5.58 W/kg; SAR(10 g) = 0.930 W/kg**



0 dB = 24.0 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.845 \text{ S/m}$ ;  $\epsilon_r = 46.74$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**Touch from Body, Rear, W-LAN(5.6G 802.11a) Ch. 116, Ant Internal, Ant.1**

### **With Enlarge Plot image**

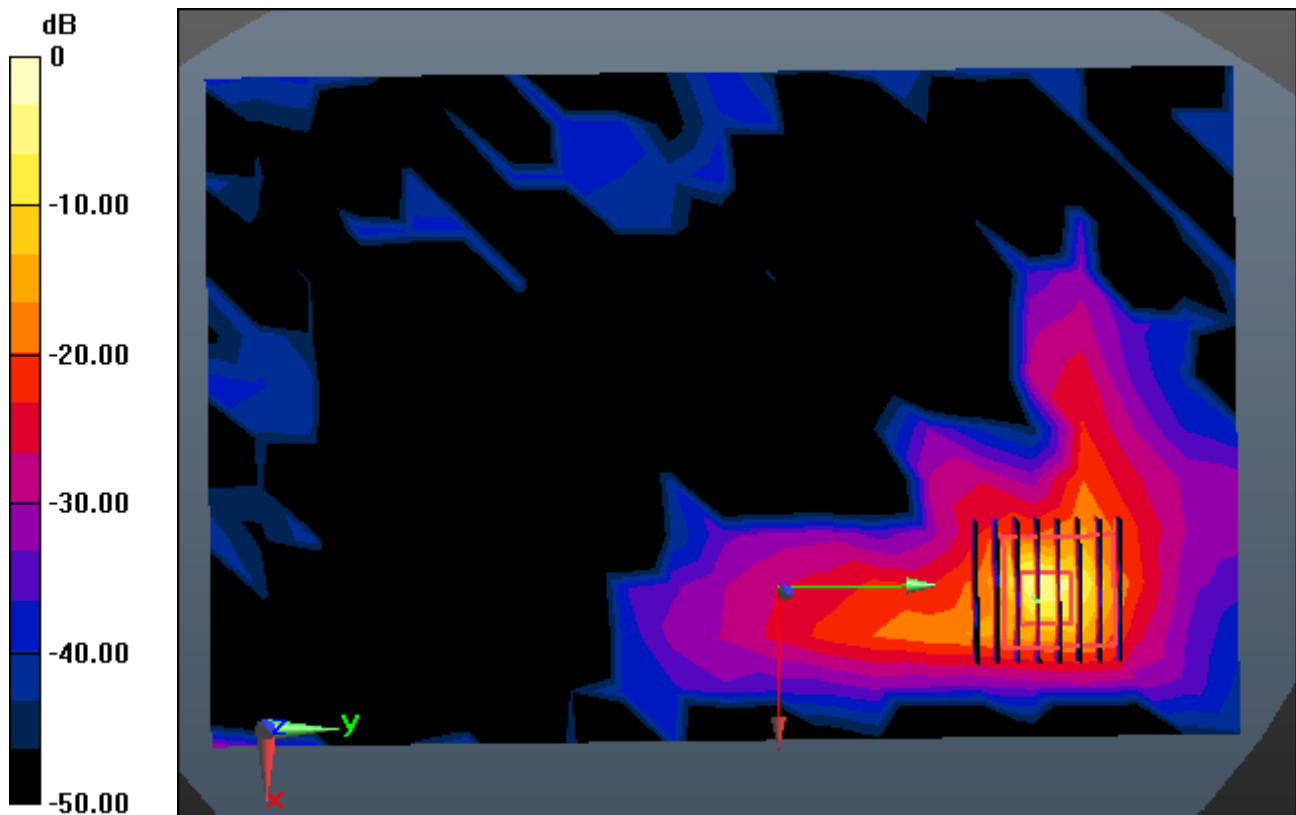
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 56.5 W/kg

**SAR(1 g) = 5.58 W/kg; SAR(10 g) = 0.930 W/kg**



0 dB = 24.0 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**Touch from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Ant.2**

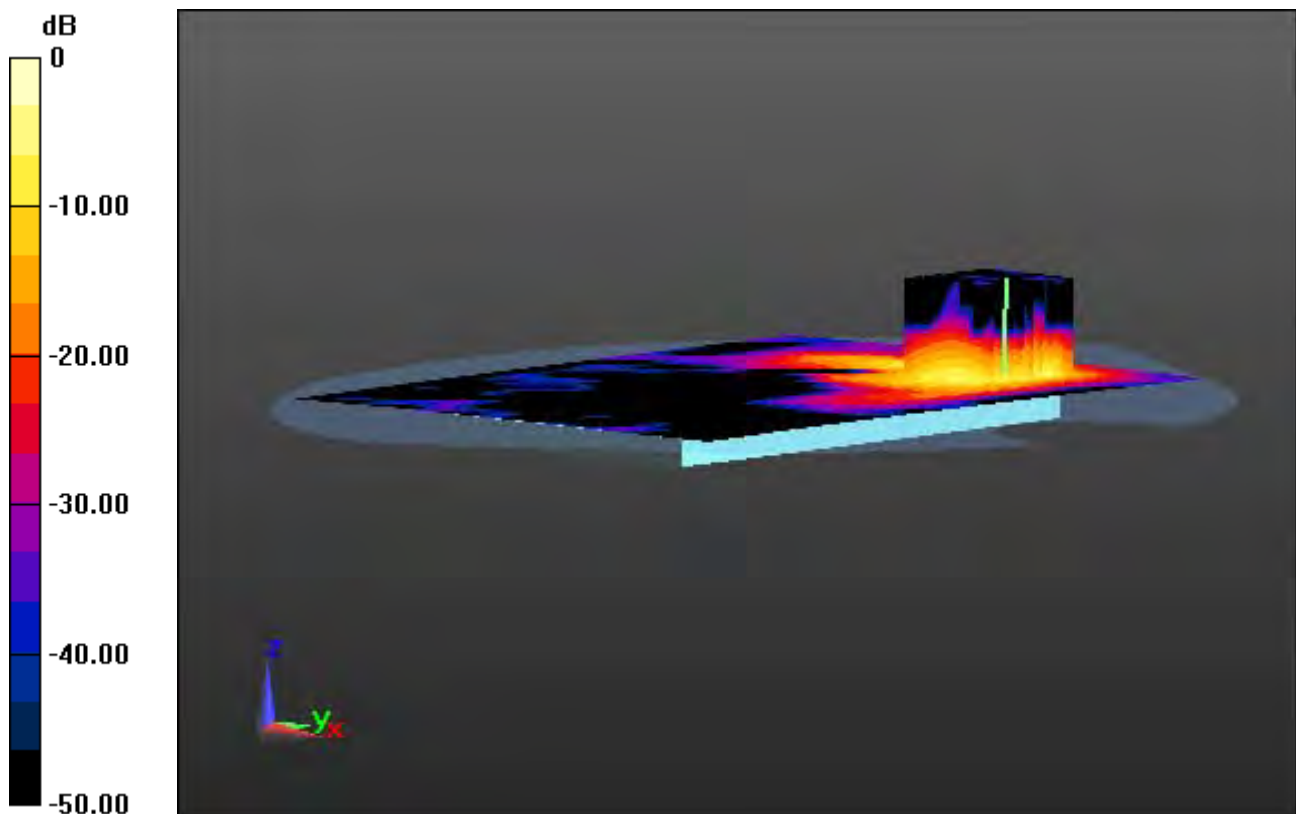
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 24.6 W/kg

**SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.1 W/kg**



0 dB = 10.6 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**Touch from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, Ant.2**

### **With Enlarge Plot image**

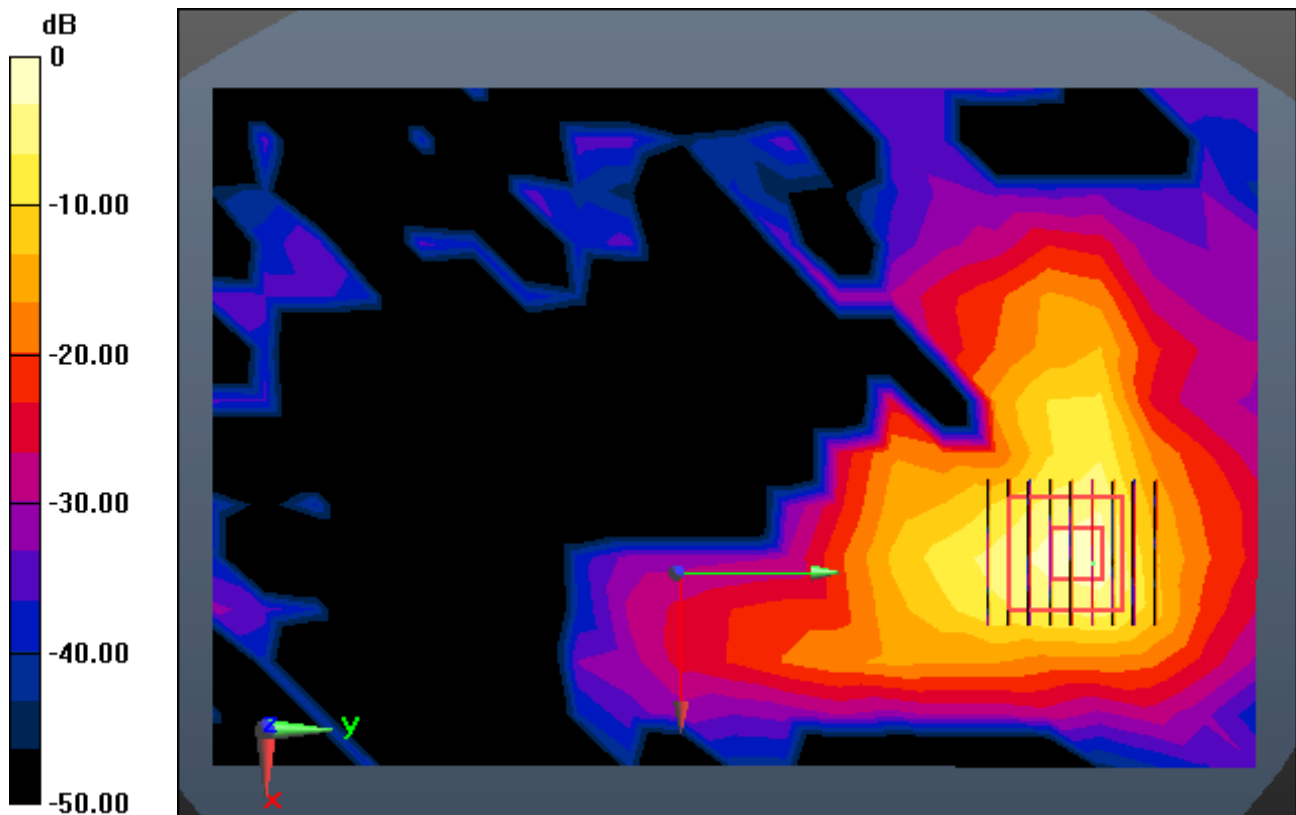
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 24.6 W/kg

**SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.1 W/kg**



0 dB = 10.6 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**Touch from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, MIMO**

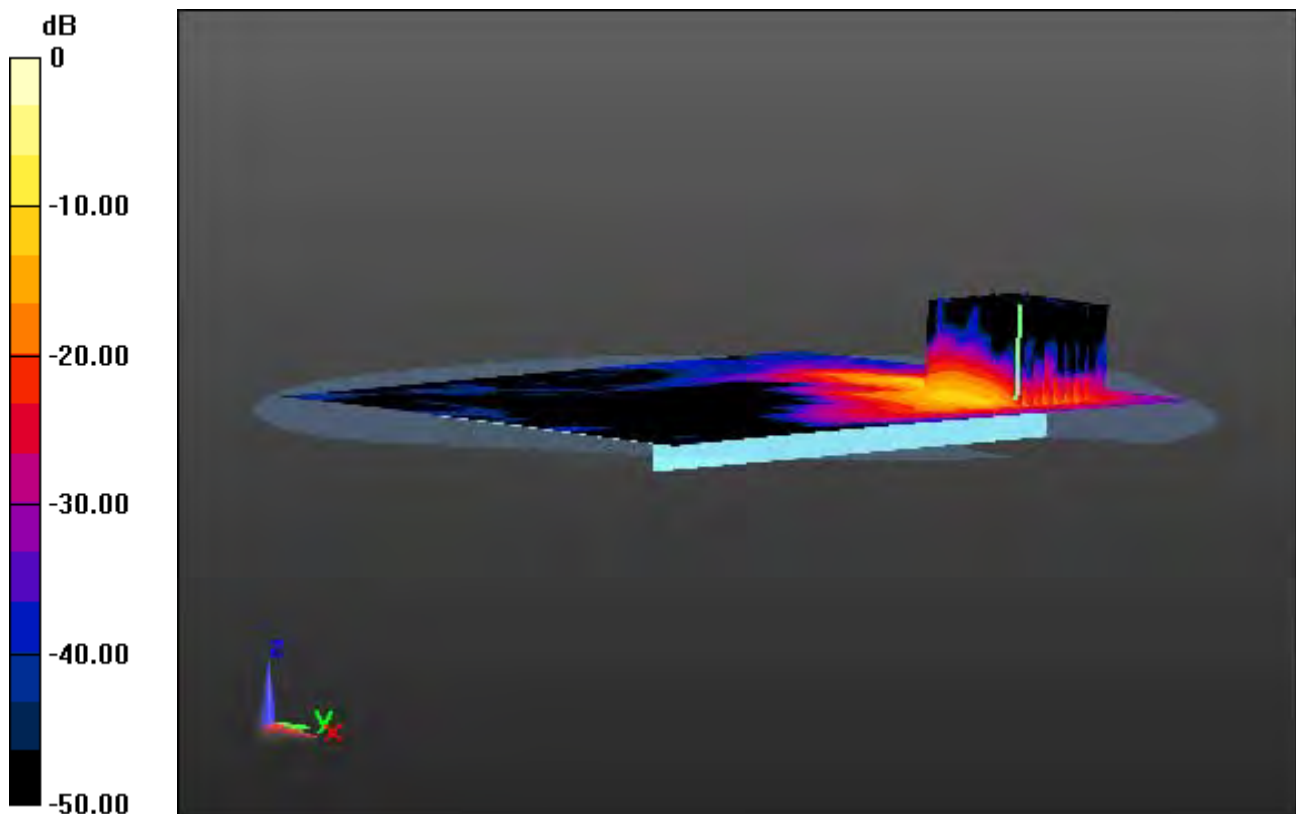
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 62.8 W/kg

**SAR(1 g) = 7.35 W/kg; SAR(10 g) = 1.96 W/kg**



0 dB = 24.8 W/kg

## DT&C Co., Ltd.

**DUT: L-01K; Type: Bar**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.955 \text{ S/m}$ ;  $\epsilon_r = 46.603$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2017; Electronics: DAE4 Sn1335

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2017-09-29; Ambient Temp: 21.5; Tissue Temp: 21.9

**Touch from Body, Rear, W-LAN(5.6G 802.11a) Ch. 132, Ant Internal, MIMO**

### **With Enlarge Plot image**

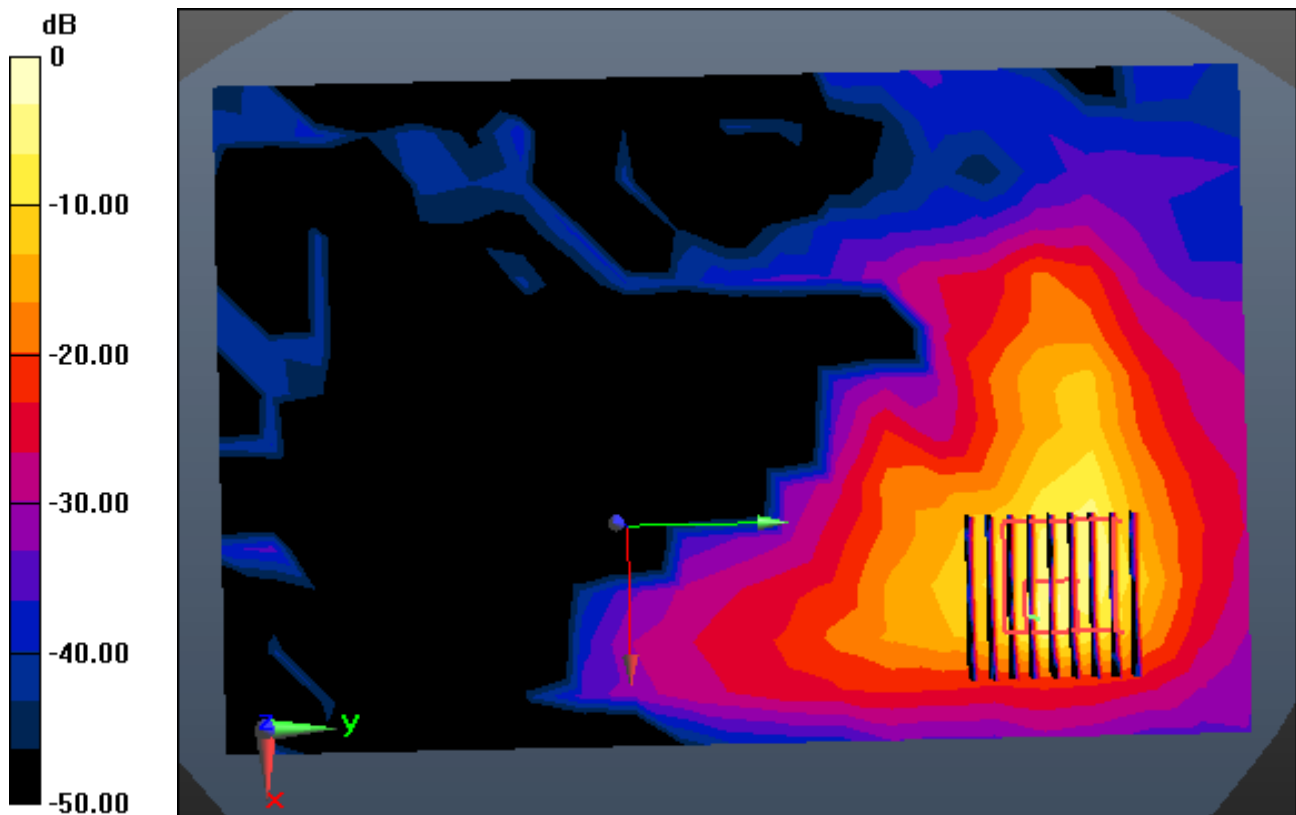
**Area Scan (14x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 62.8 W/kg

**SAR(1 g) = 7.35 W/kg; SAR(10 g) = 1.96 W/kg**



0 dB = 24.8 W/kg