

## **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:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.894 \text{ S/m}$ ;  $\epsilon_r = 42.371$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.68, 10.68, 10.68); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (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: 2019-12-05; Ambient Temp: 20.0; Tissue Temp: 20.8

### **750 MHz System Head Verification (250 mW)**

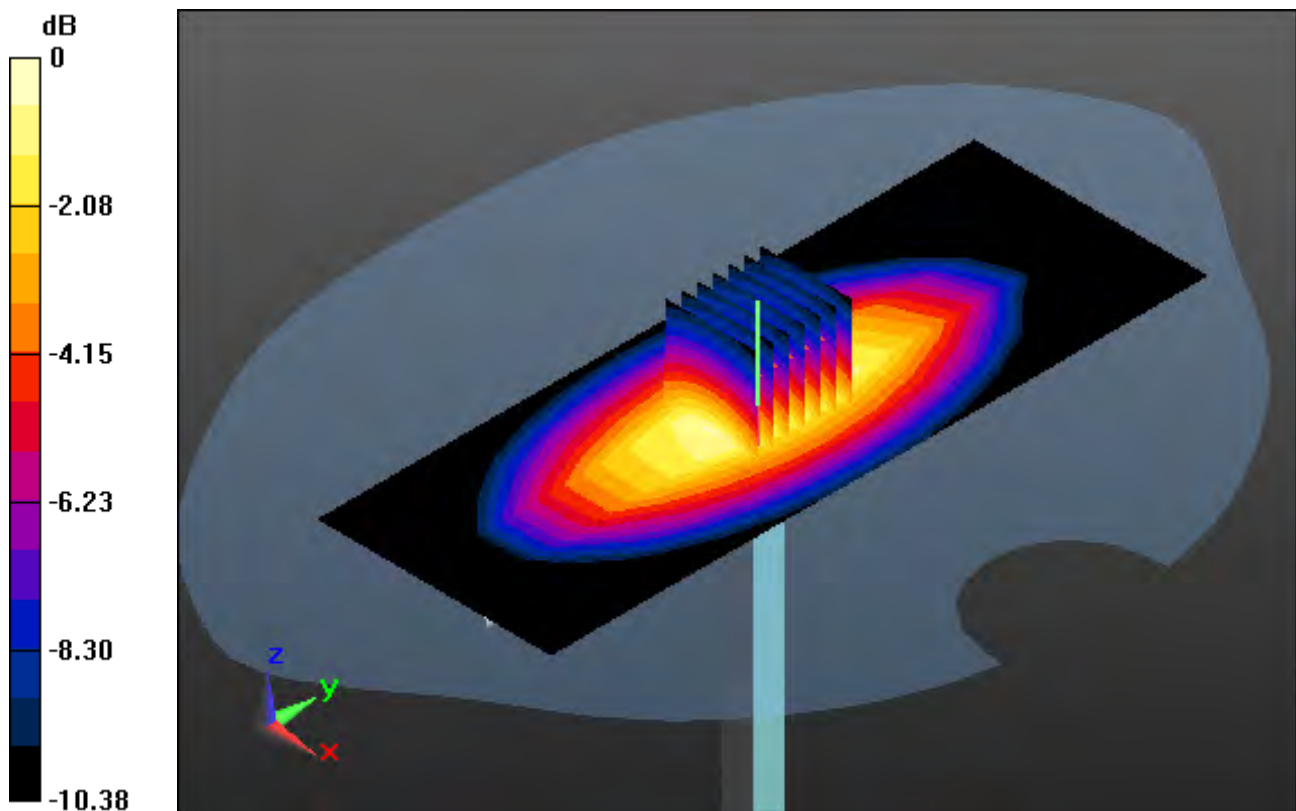
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 2.93 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.3 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:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.981 \text{ S/m}$ ;  $\epsilon_r = 55.757$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-05; Ambient Temp: 21.1; Tissue Temp: 20.9

### **750 MHz System Body Verification (250 mW)**

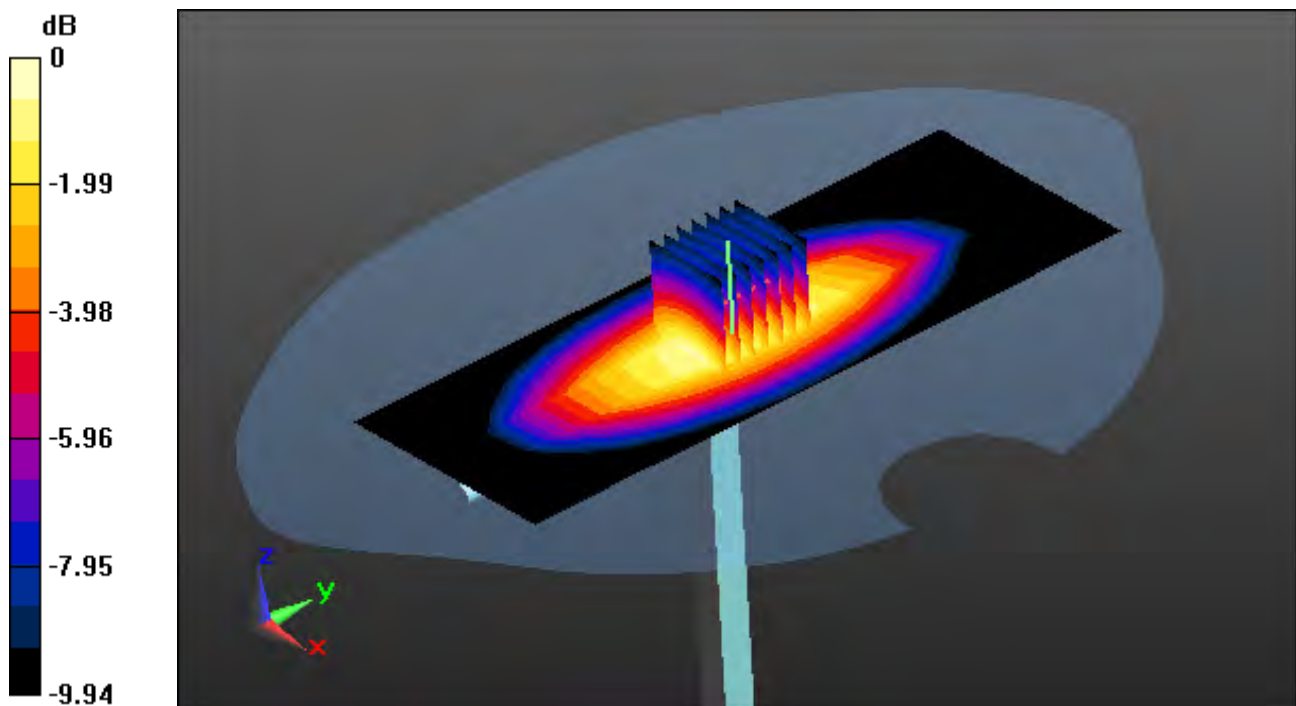
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.46 W/kg



0 dB = 2.83 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:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.971 \text{ S/m}$ ;  $\epsilon_r = 55.168$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-06; Ambient Temp: 20.1; Tissue Temp: 20.3

### **750 MHz System Body Verification (250 mW)**

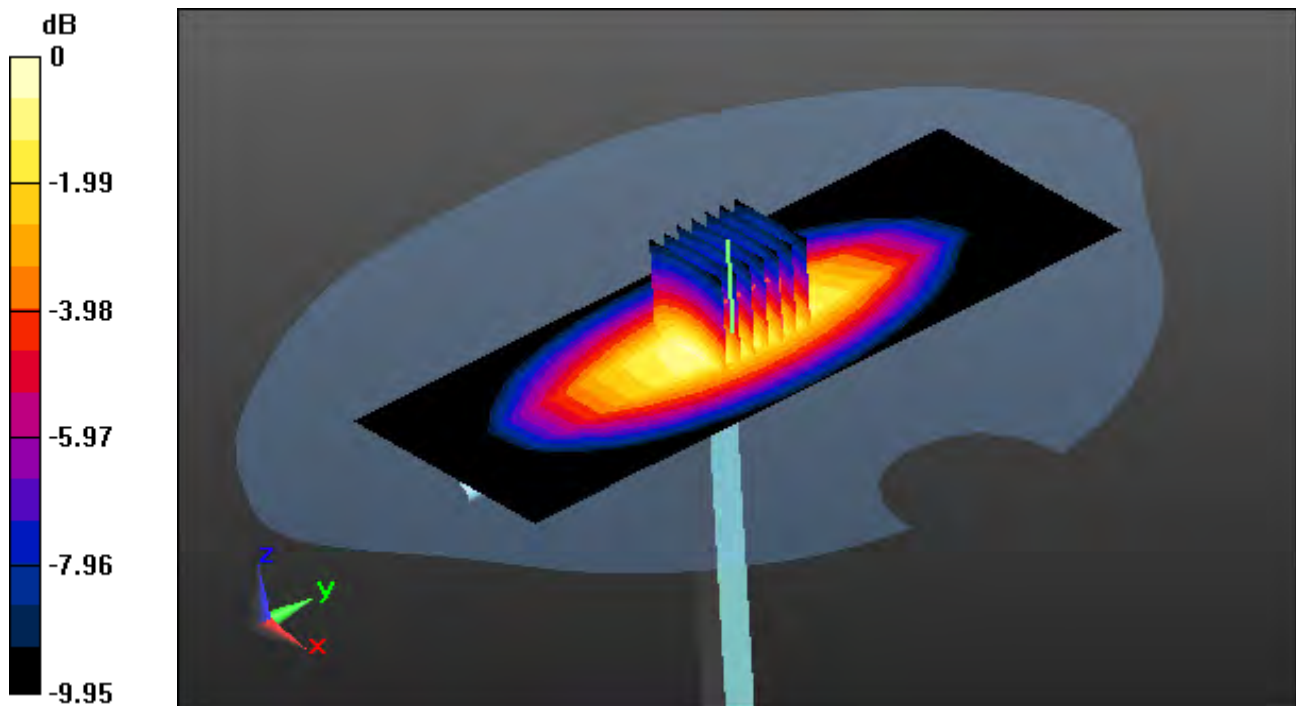
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.31 W/kg

**SAR(1 g) = 2.2 W/kg; SAR(10 g) = 1.45 W/kg**



0 dB = 2.80 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.897 \text{ S/m}$ ;  $\epsilon_r = 42.173$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (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: 2019-12-02; Ambient Temp: 22.2; Tissue Temp: 22.6

### **835 MHz System Head Verification (250 mW)**

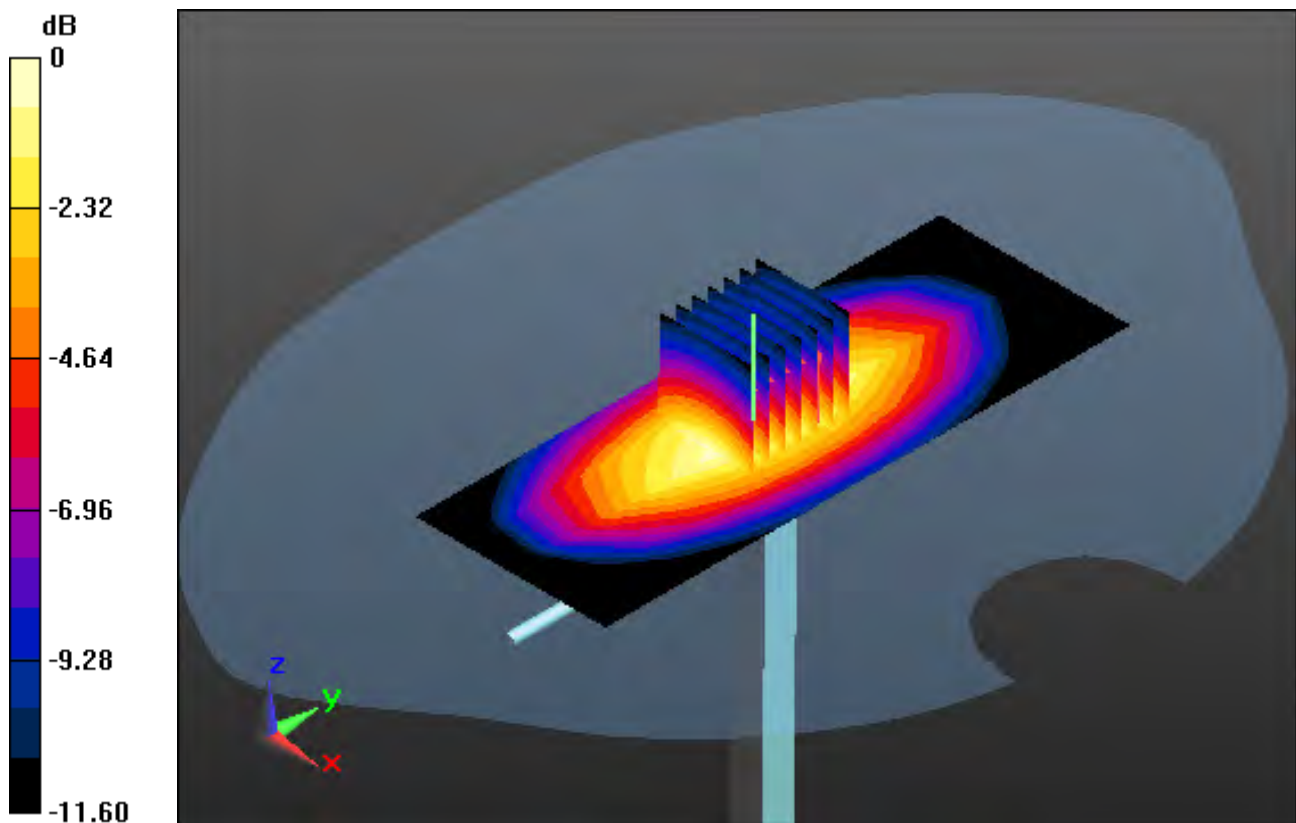
**Area Scan (5x12x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 3.52 W/kg

SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.48 W/kg



0 dB = 2.89 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.960 \text{ S/m}$ ;  $\epsilon_r = 53.370$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.38, 6.38, 6.38); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-02; Ambient Temp: 20.8; Tissue Temp: 20.5

### **835 MHz System Body Verification (250 mW)**

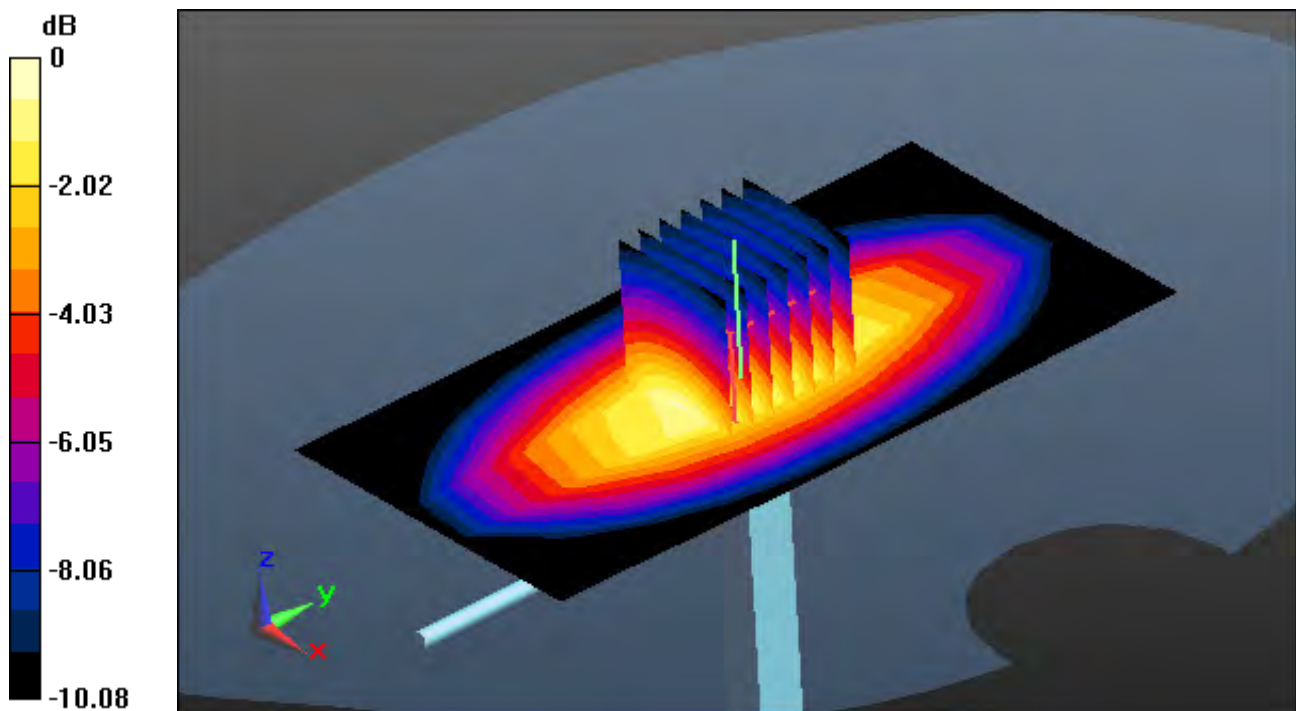
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.59 W/kg



0 dB = 2.92 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d047**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.375$  S/m;  $\epsilon_r = 40.963$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.87, 8.87, 8.87); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-04; Ambient Temp: 22.1; Tissue Temp: 22.6

### **1800 MHz System Head Verification (100 mW)**

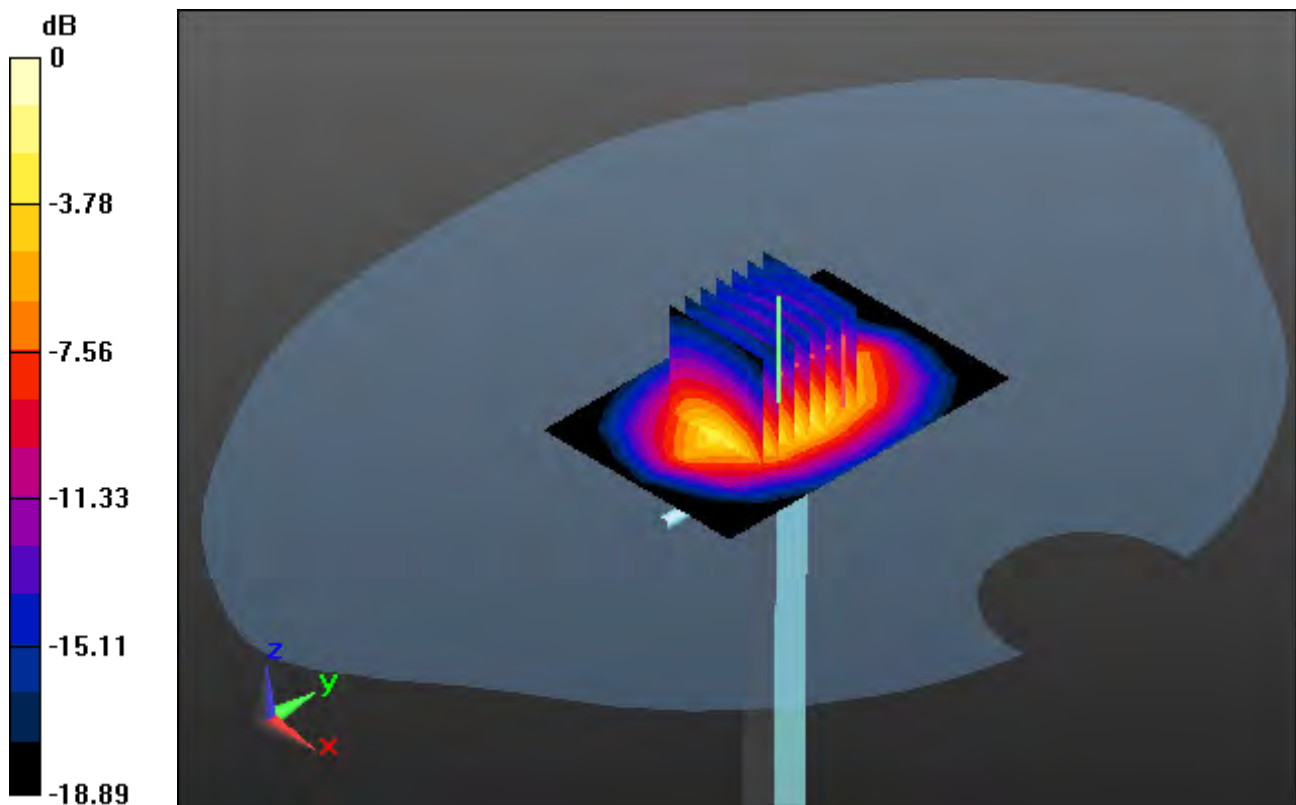
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.1 W/kg

SAR(1 g) = 3.83 W/kg; SAR(10 g) = 1.99 W/kg



0 dB = 5.4 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d047**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.567 \text{ S/m}$ ;  $\epsilon_r = 52.109$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-04; Ambient Temp: 21.1; Tissue Temp: 21.2

### **1800 MHz System Body Verification (100 mW)**

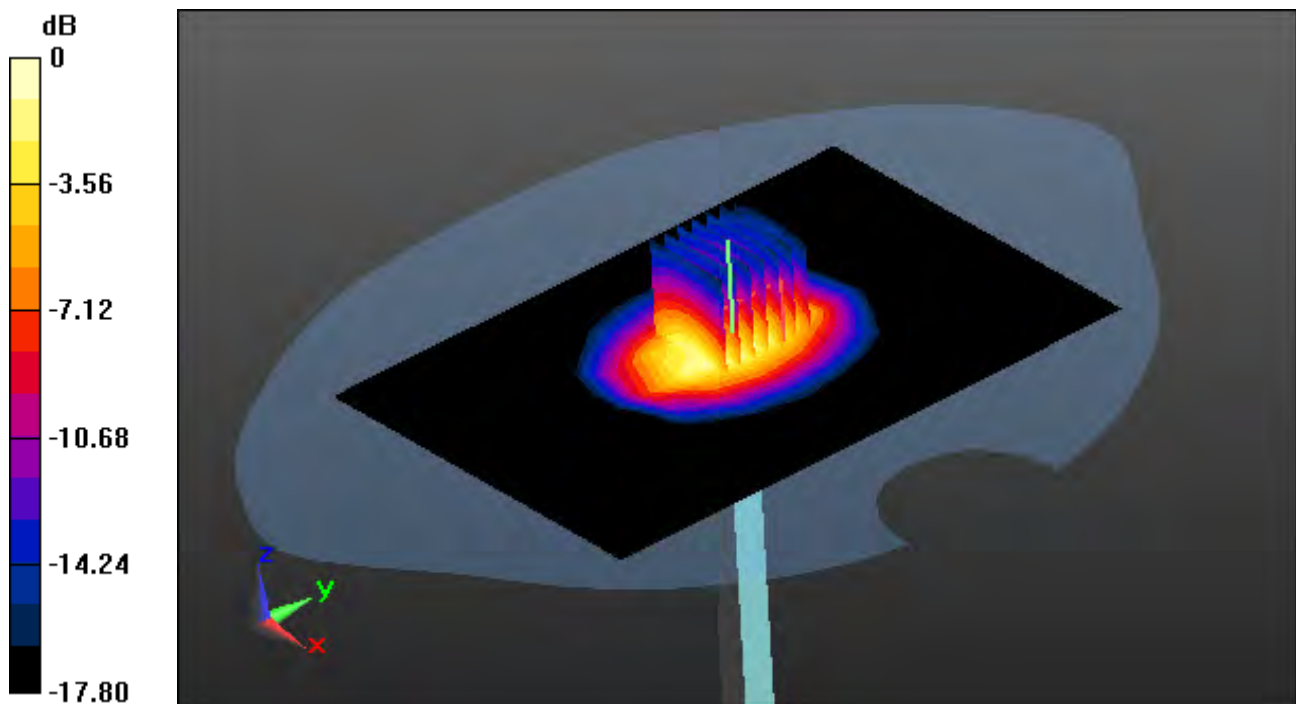
**Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 5.15 W/kg

**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.07 W/kg**



0 dB = 4.48 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.401$  S/m;  $\epsilon_r = 39.872$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-03; Ambient Temp: 22.4; Tissue Temp: 22.1

### **1900 MHz System Head Verification (100 mW)**

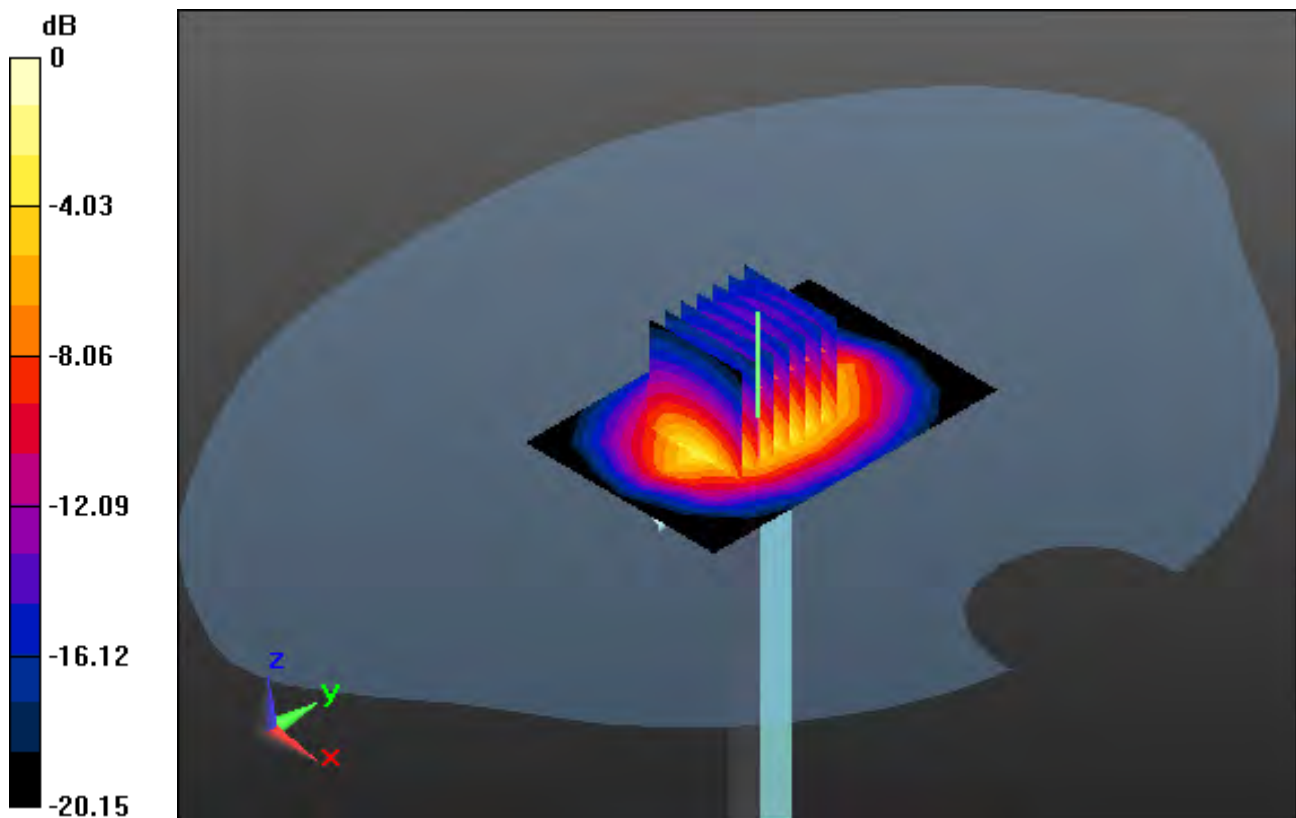
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.4 W/kg

SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.04 W/kg



0 dB = 6.8 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 52.289$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

### **1900 MHz System Body Verification (100 mW)**

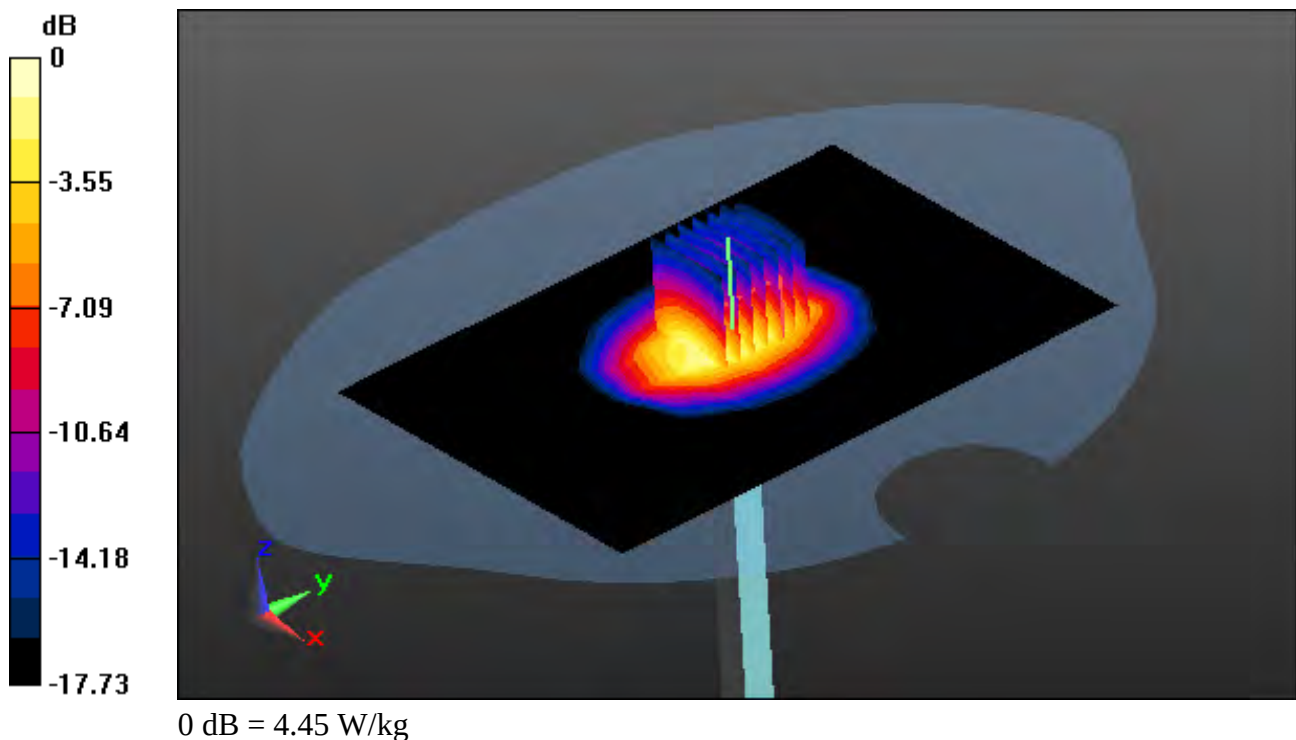
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 7.57 W/kg

**SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.09 W/kg**



## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN726**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.834$  S/m;  $\epsilon_r = 40.238$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(7.61, 7.61, 7.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-02; Ambient Temp: 20.1; Tissue Temp: 20.3

### **2450 MHz System Head Verification (100mW)**

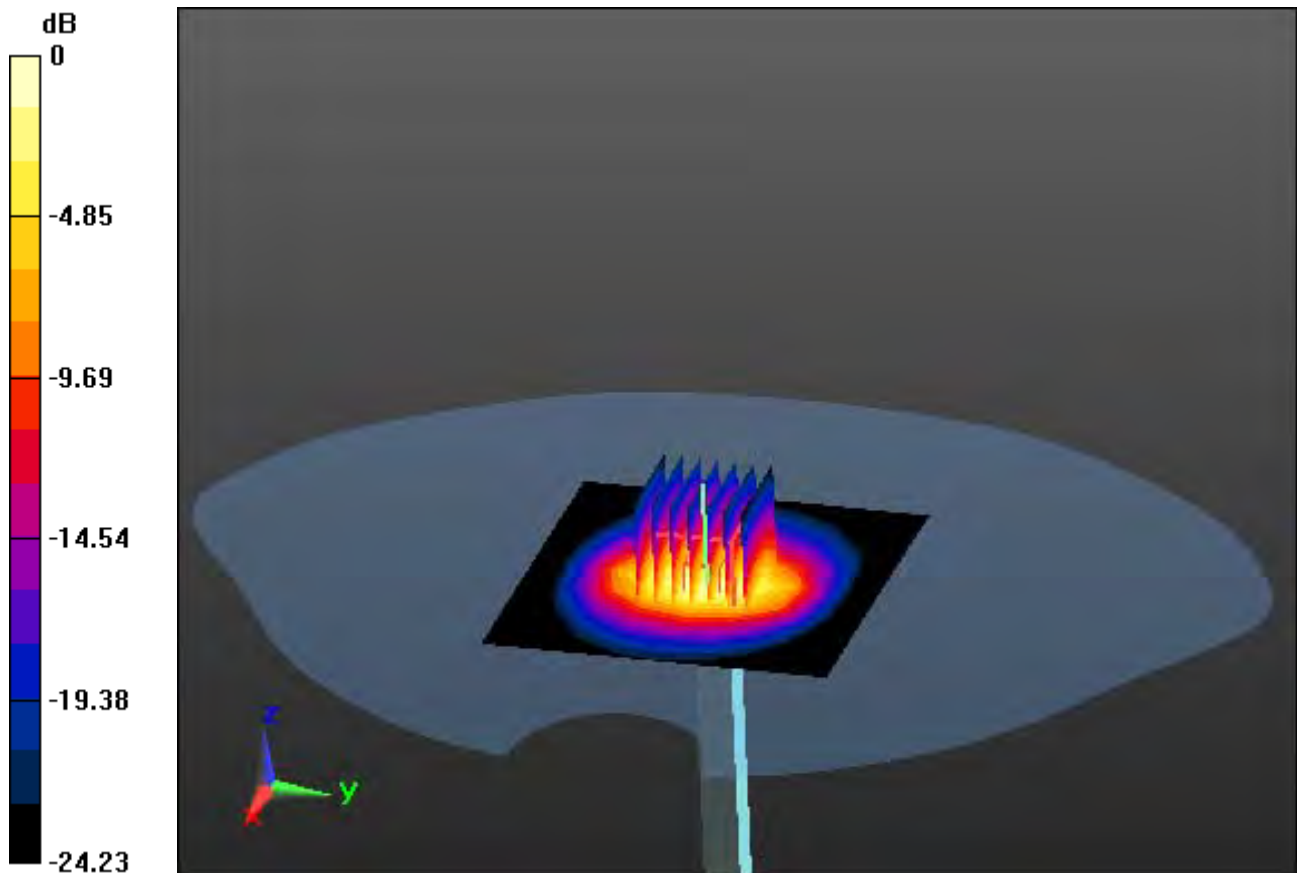
**Area Scan (9x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.5 W/kg

**SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.47 W/kg**



0 dB = 8.51 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN726**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.834$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(7.61, 7.61, 7.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-03; Ambient Temp: 20.1; Tissue Temp: 20.0

### **2450 MHz System Head Verification (100mW)**

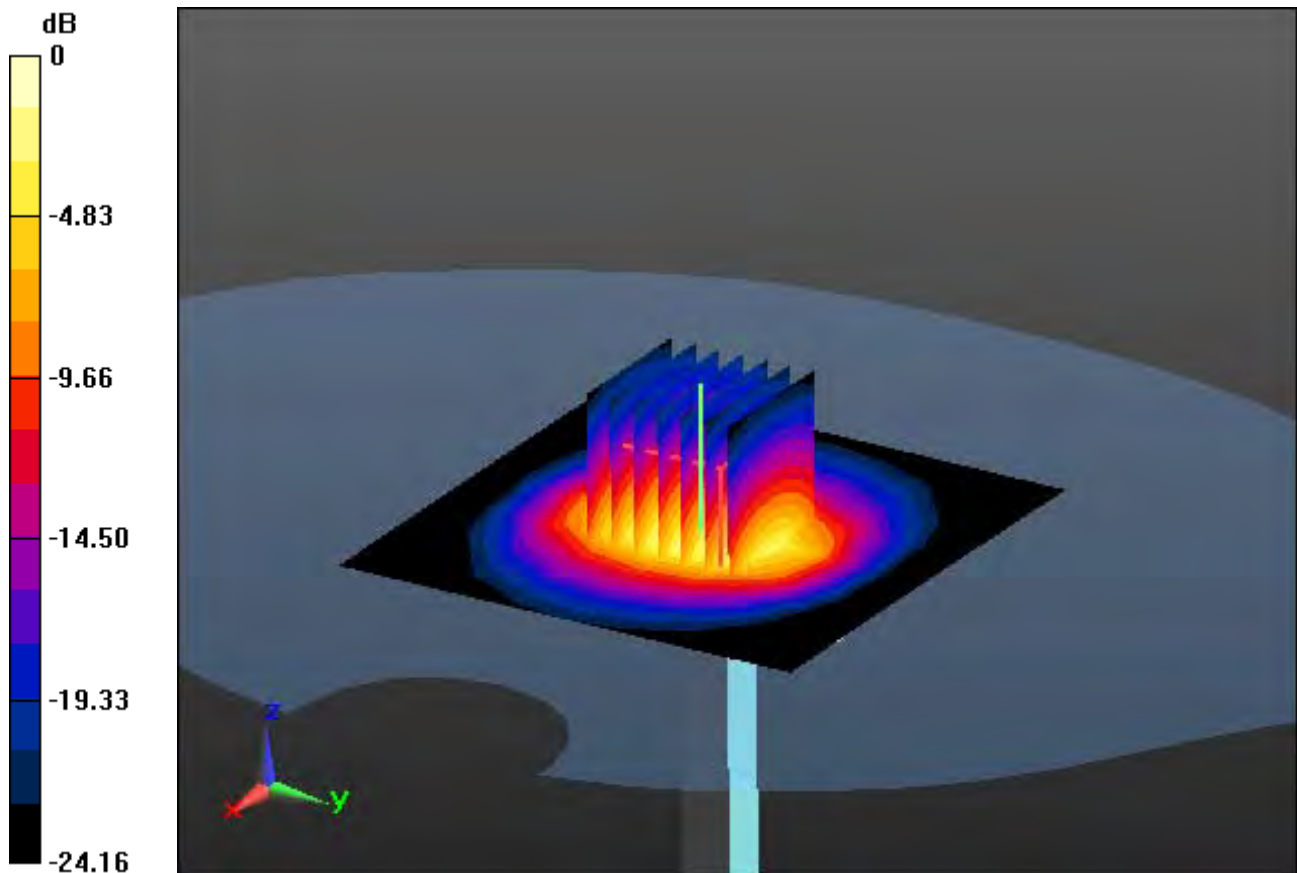
**Area Scan (9x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 11.9 W/kg

**SAR(1 g) = 5.29 W/kg; SAR(10 g) = 2.49 W/kg**



0 dB = 8.62 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.91$  S/m;  $\epsilon_r = 51.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

### **2450 MHz System Body Verification (100 mW)**

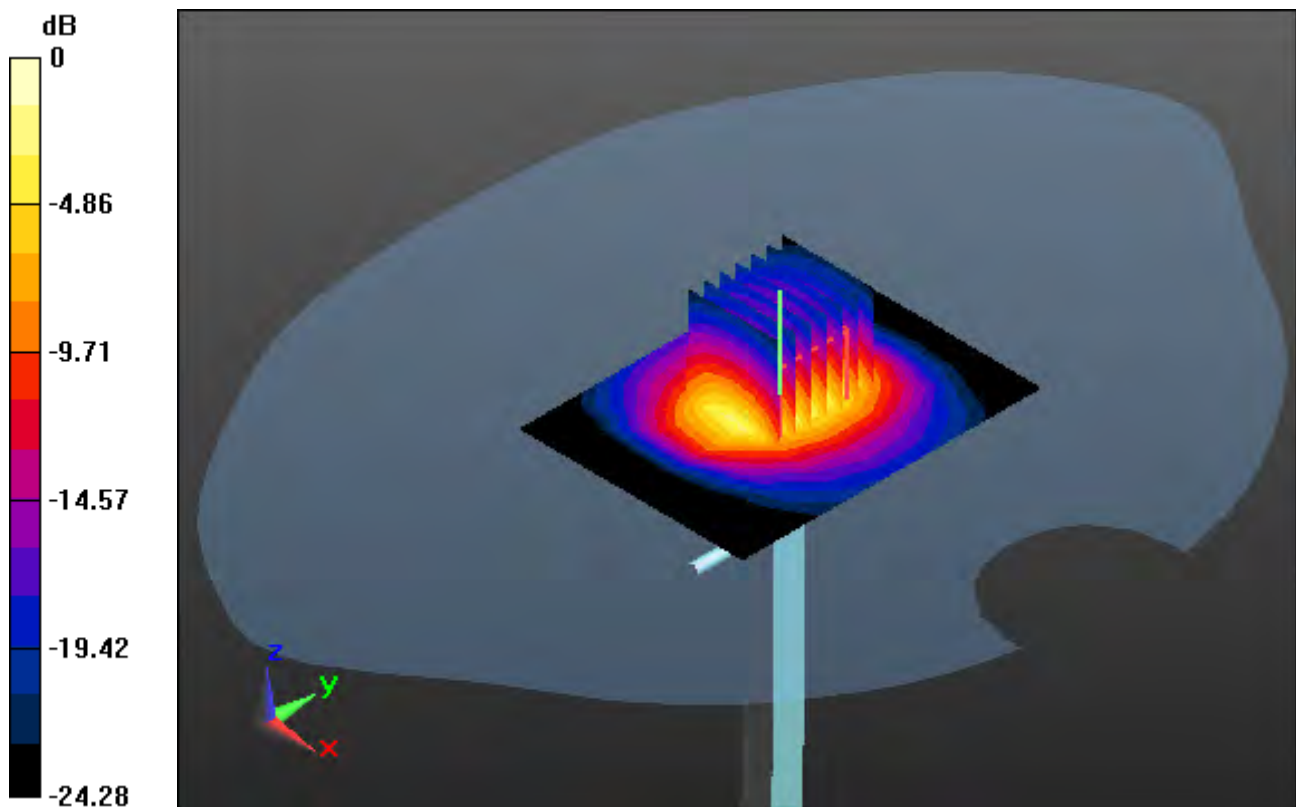
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.52 W/kg



0 dB = 8.9 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;  $\sigma = 5.165$  S/m;  $\epsilon_r = 49.62$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.65, 4.65, 4.65); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-09; Ambient Temp: 20.7; Tissue Temp: 20.8

### **5200 MHz System Body Verification (100 mW)**

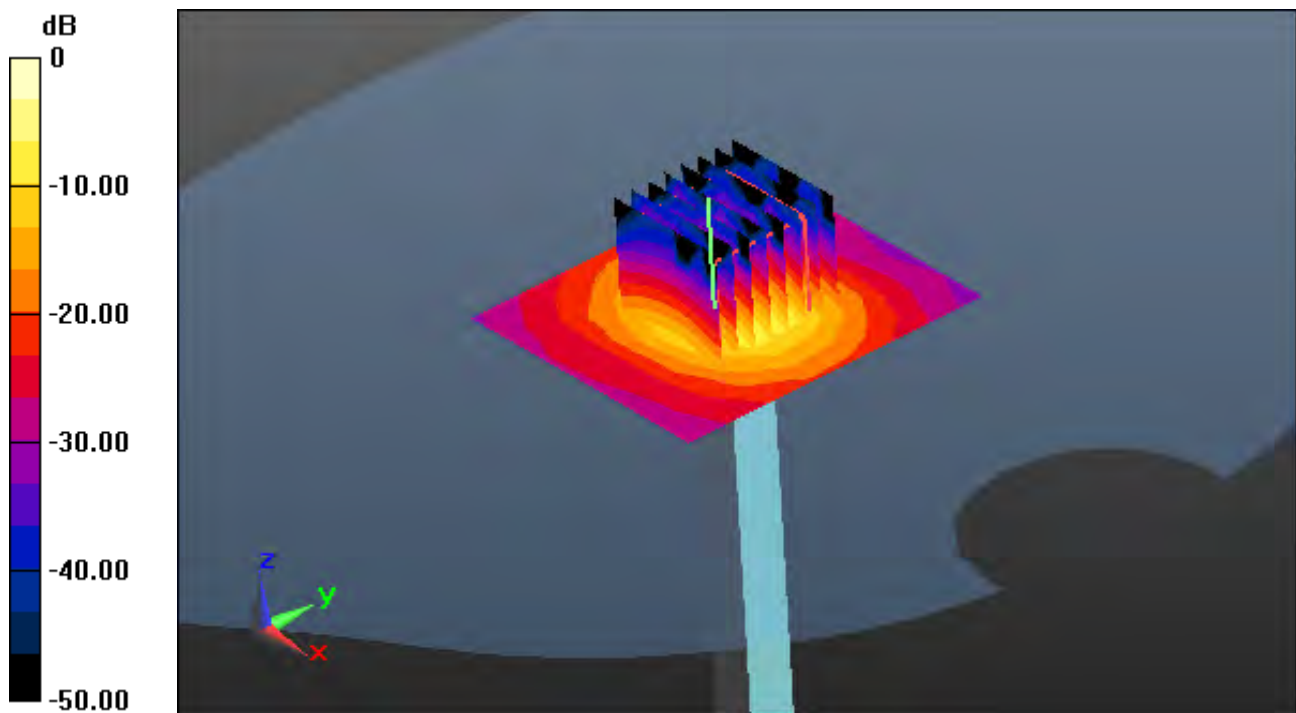
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 33.9 W/kg

**SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.16 W/kg**



0 dB = 16.1 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;  $\sigma = 4.935$  S/m;  $\epsilon_r = 35.417$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.97, 4.97, 4.97); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-04; Ambient Temp: 20.2; Tissue Temp: 20.3

### **5300 MHz System Head Verification (100mW)**

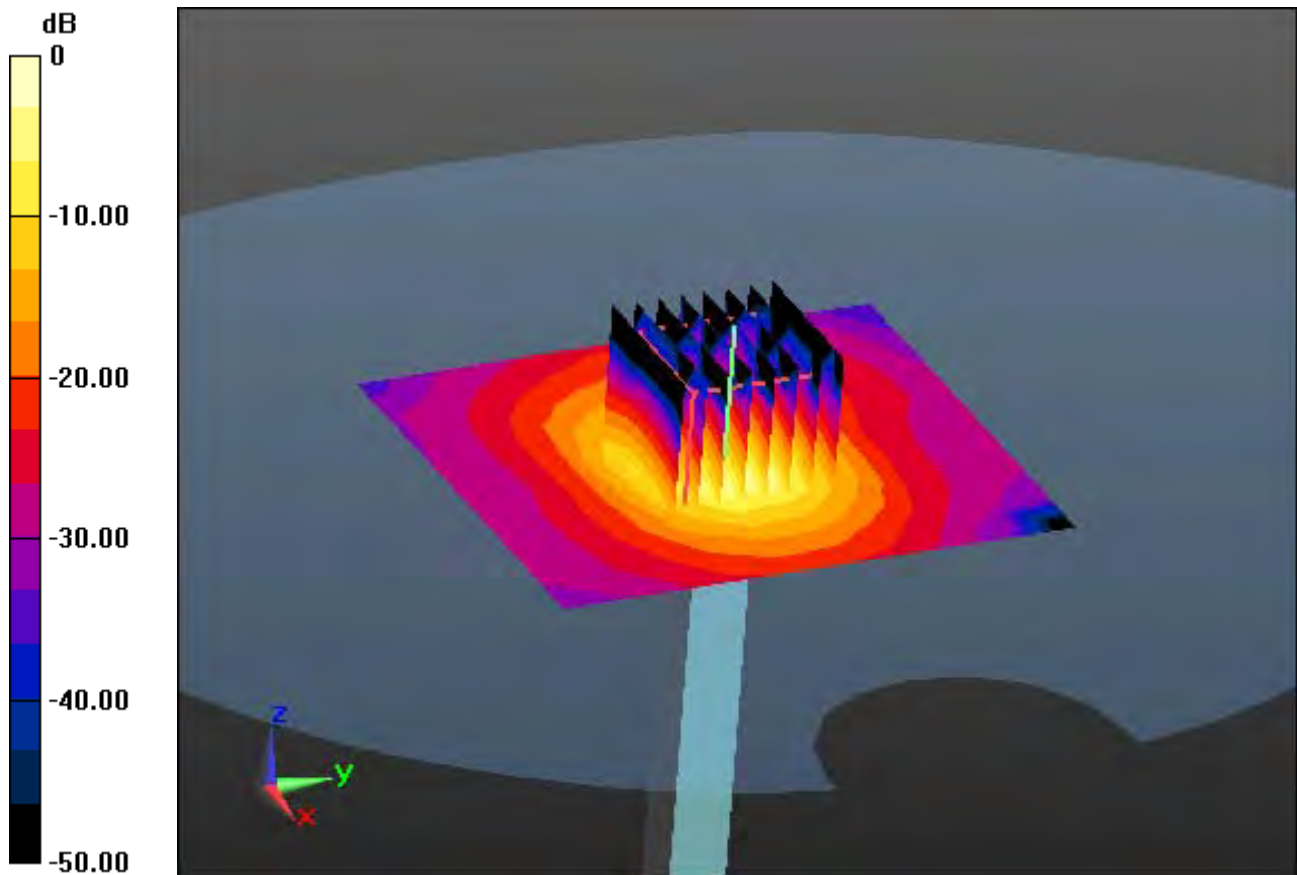
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 35.6 W/kg

**SAR(1 g) = 8.44 W/kg; SAR(10 g) = 2.41 W/kg**



0 dB = 20.4 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:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.514$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
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: 2019-12-07; Ambient Temp: 21.0; Tissue Temp: 21.4

### **5300 MHz System Body Verification (100 mW)**

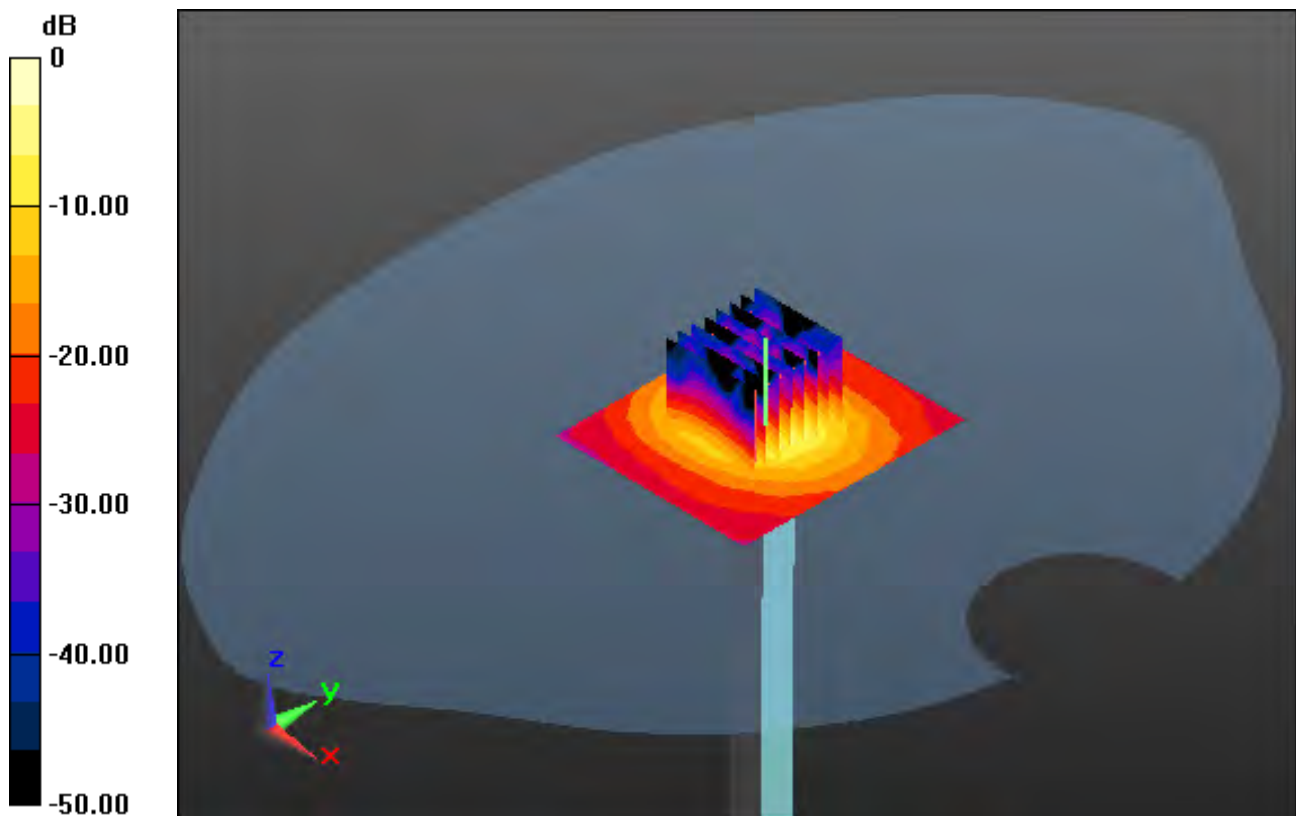
**Area Scan (7x8x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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) = 35.1 W/kg

**SAR(1 g) = 7.35 W/kg; SAR(10 g) = 2.04 W/kg**



0 dB = 18.8 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.934$  S/m;  $\epsilon_r = 36.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.9, 4.9, 4.9); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-06; Ambient Temp: 20.3; Tissue Temp: 20.7

### **5500 MHz System Head Verification (100mW)**

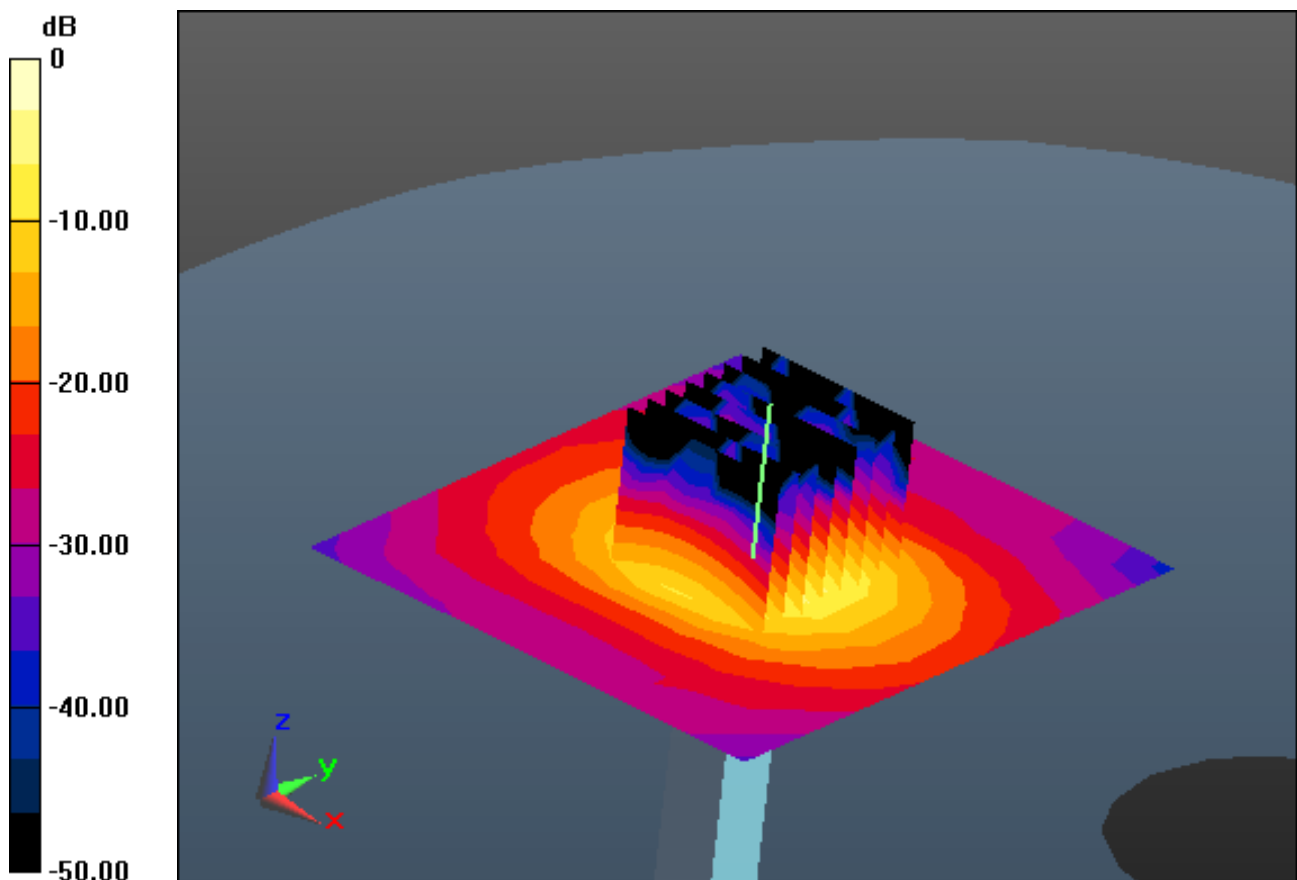
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 36.8 W/kg

**SAR(1 g) = 8.8 W/kg; SAR(10 g) = 2.51 W/kg**



0 dB = 20.8 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.692$  S/m;  $\epsilon_r = 49.784$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.3, 4.3, 4.3); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

### **5500 MHz System Body Verification (100 mW)**

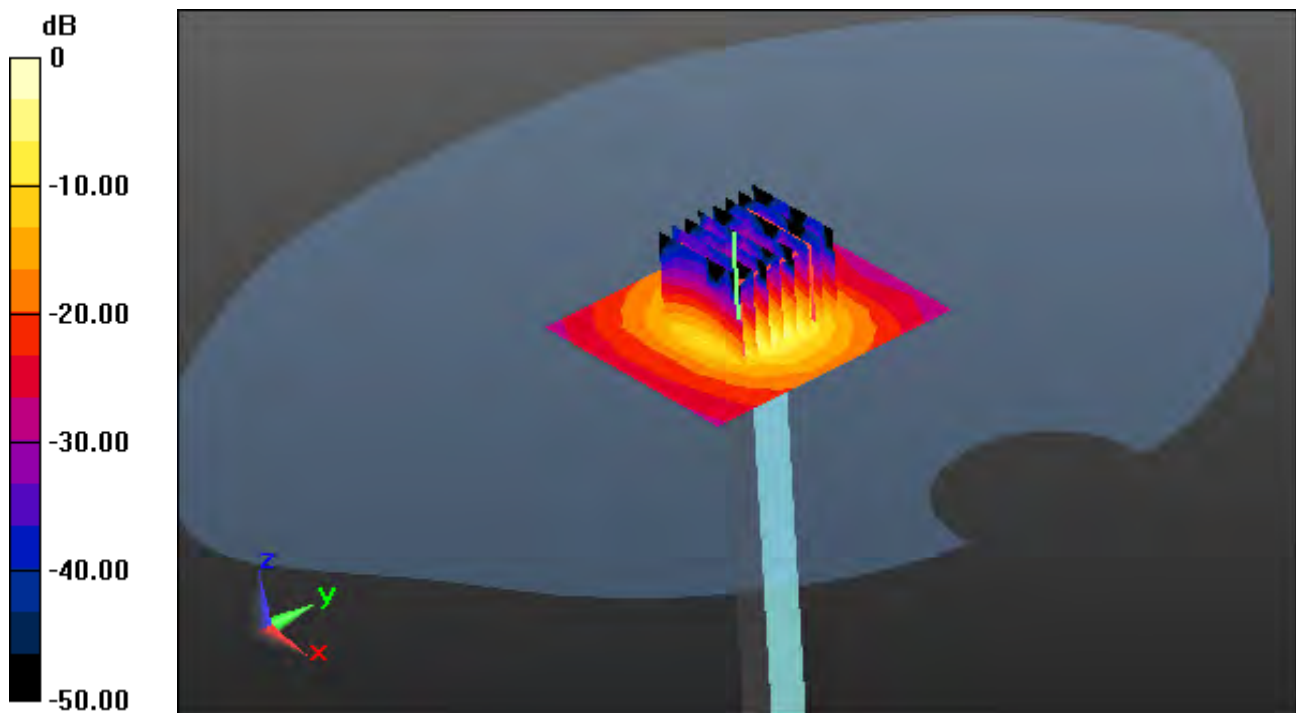
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 29.8 W/kg

**SAR(1 g) = 8.15 W/kg; SAR(10 g) = 2.37 W/kg**



0 dB = 16.8 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;  $\sigma = 5.257$  S/m;  $\epsilon_r = 36.262$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.61, 4.61, 4.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-06; Ambient Temp: 20.3; Tissue Temp: 20.7

### **5800 MHz System Head Verification (100mW)**

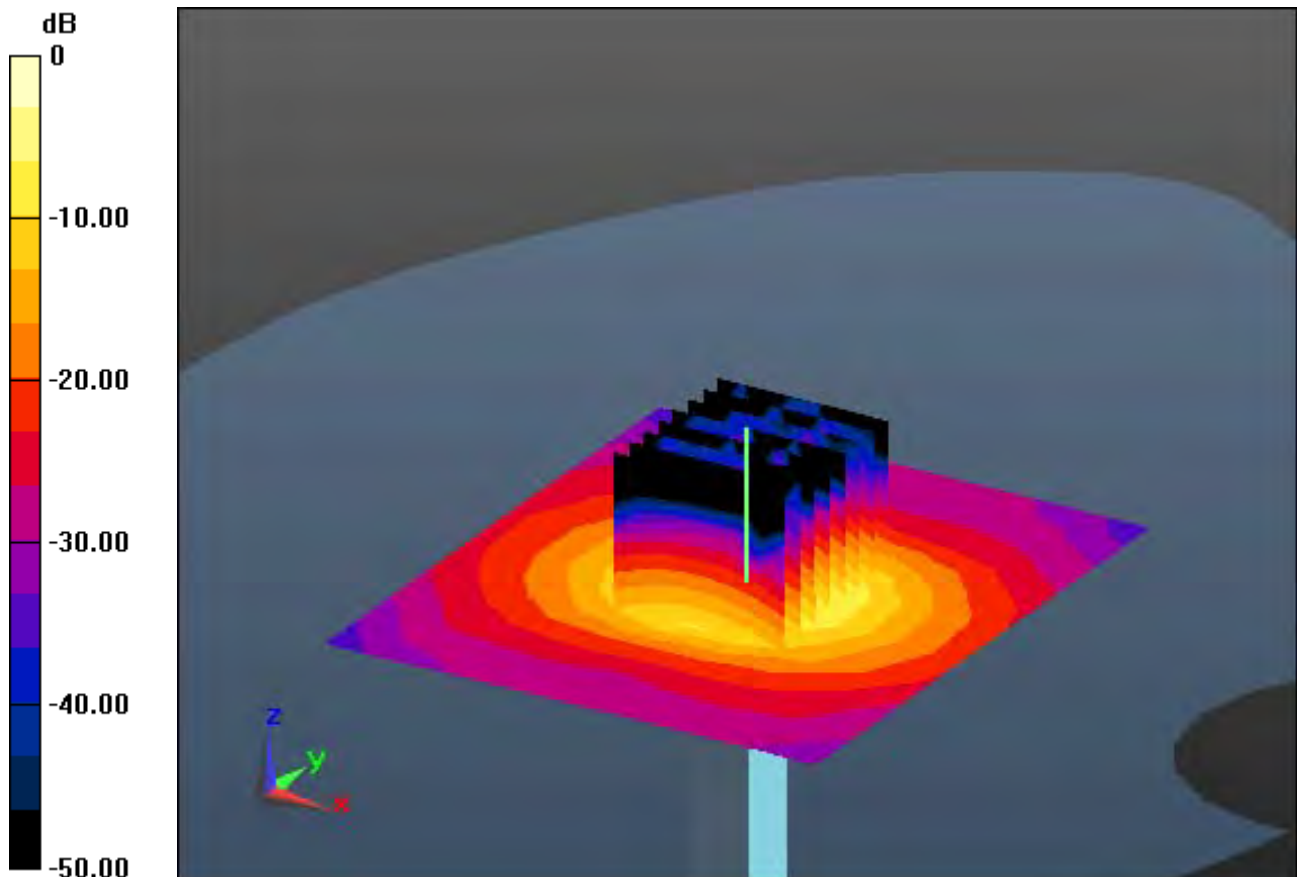
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 38.5 W/kg

**SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.35 W/kg**



0 dB = 21.8 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;  $\sigma = 6.079$  S/m;  $\epsilon_r = 48.225$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.1, 4.1, 4.1); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

### **5800 MHz System Body Verification (100 mW)**

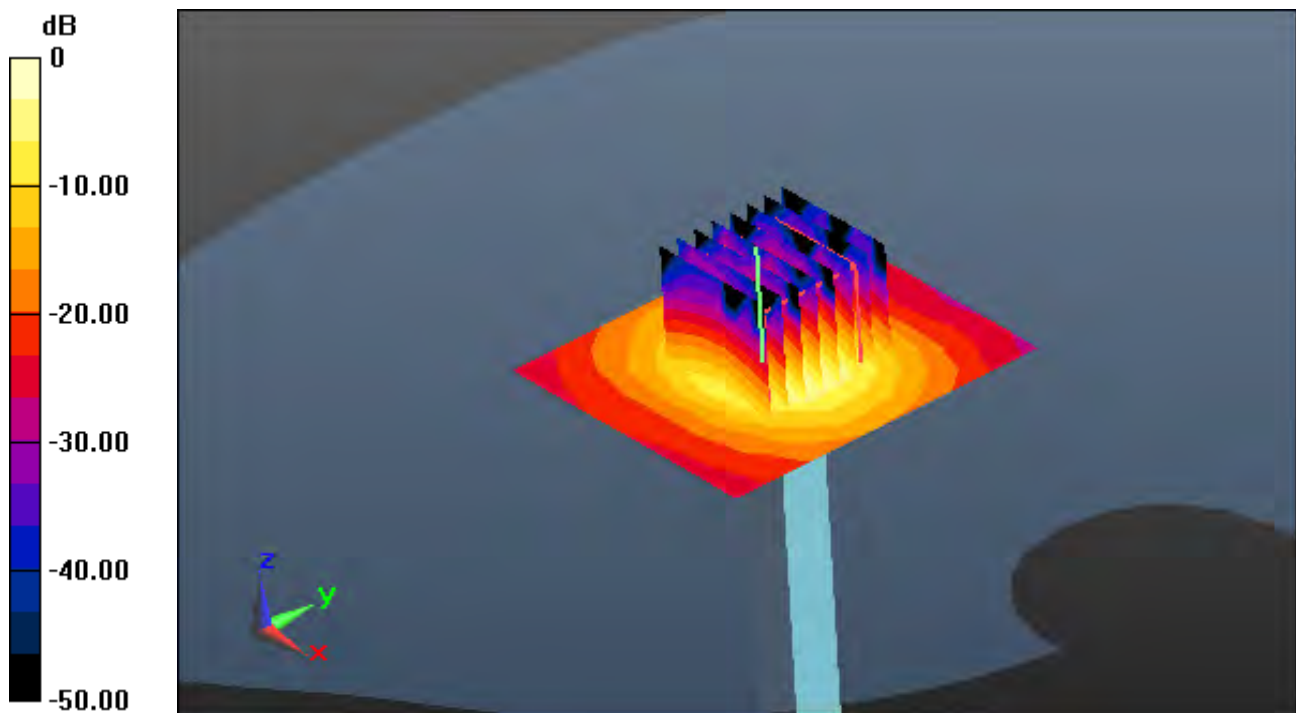
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 28.1 W/kg

**SAR(1 g) = 7.80 W/kg; SAR(10 g) = 2.25 W/kg**



0 dB = 15.97 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;  $\sigma = 5.166$  S/m;  $\epsilon_r = 35.681$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.61, 4.61, 4.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-05; Ambient Temp: 20.0; Tissue Temp: 20.2

### **5800 MHz System Head Verification (100mW)**

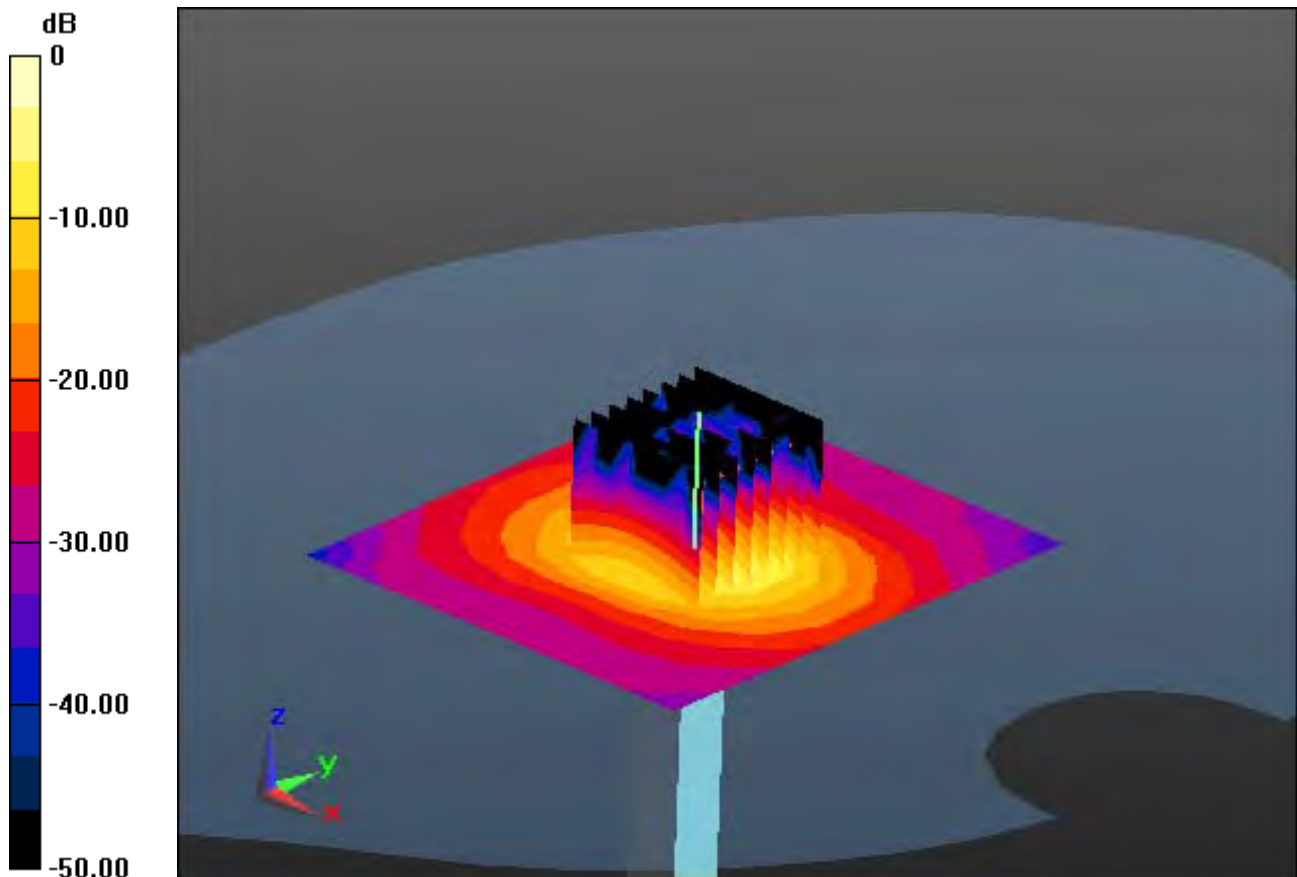
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 36.2 W/kg

**SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.39 W/kg**



0 dB = 21.7 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;  $\sigma = 6.141$  S/m;  $\epsilon_r = 49.599$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

### **5800 MHz System Body Verification (100 mW)**

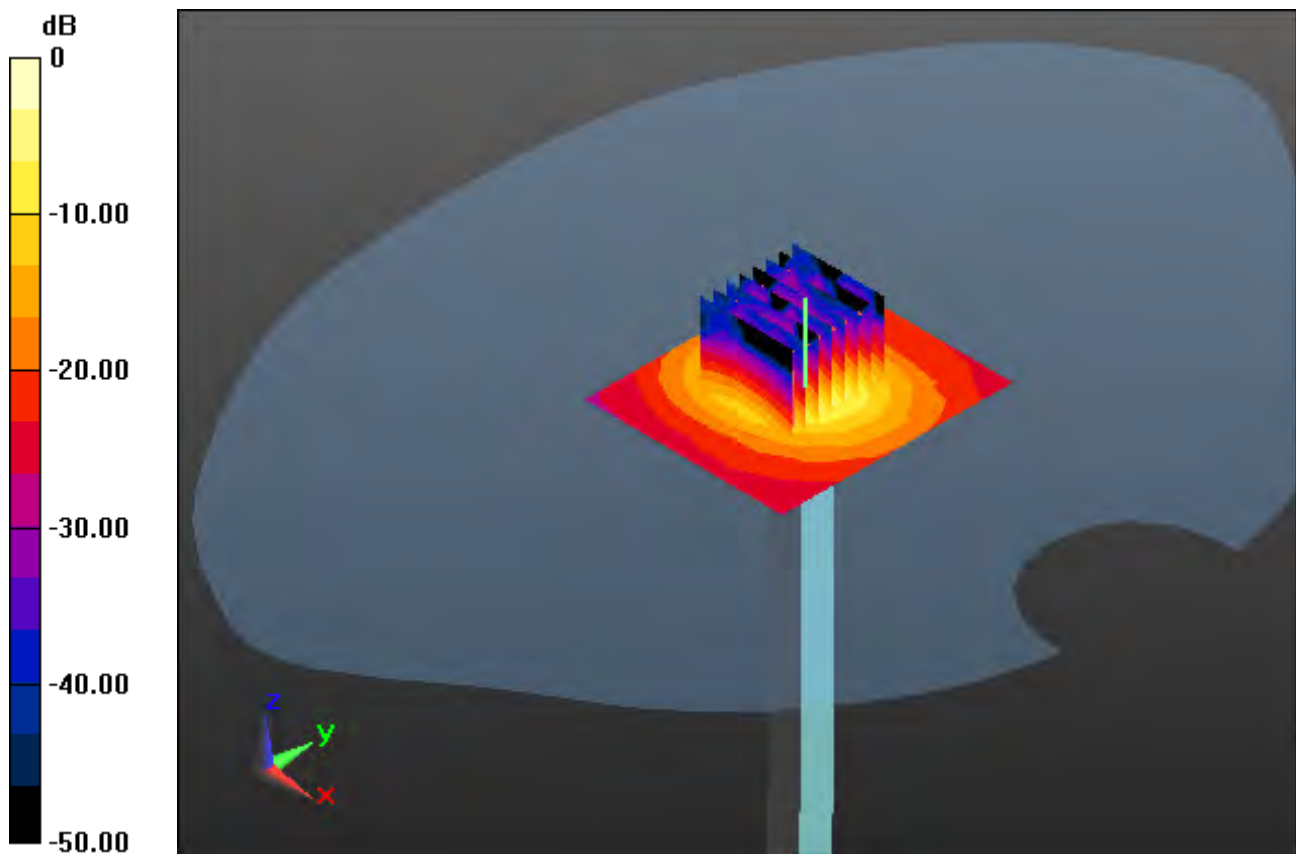
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 32.6 W/kg

SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.12 W/kg



0 dB = 19.8 W/kg

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.898 \text{ S/m}$ ;  $\epsilon_r = 42.149$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (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: 2019-12-02; Ambient Temp: 22.2; Tissue Temp: 22.6

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

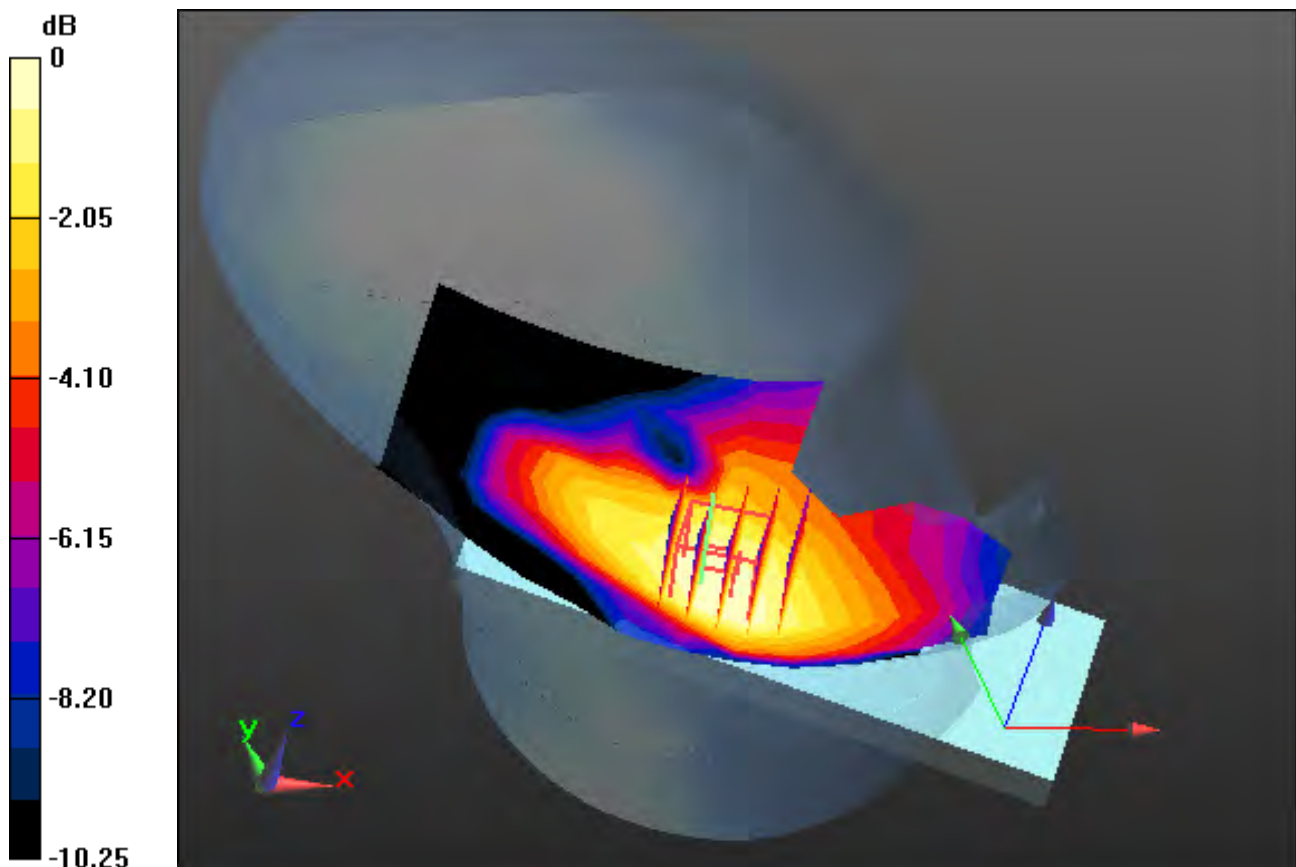
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

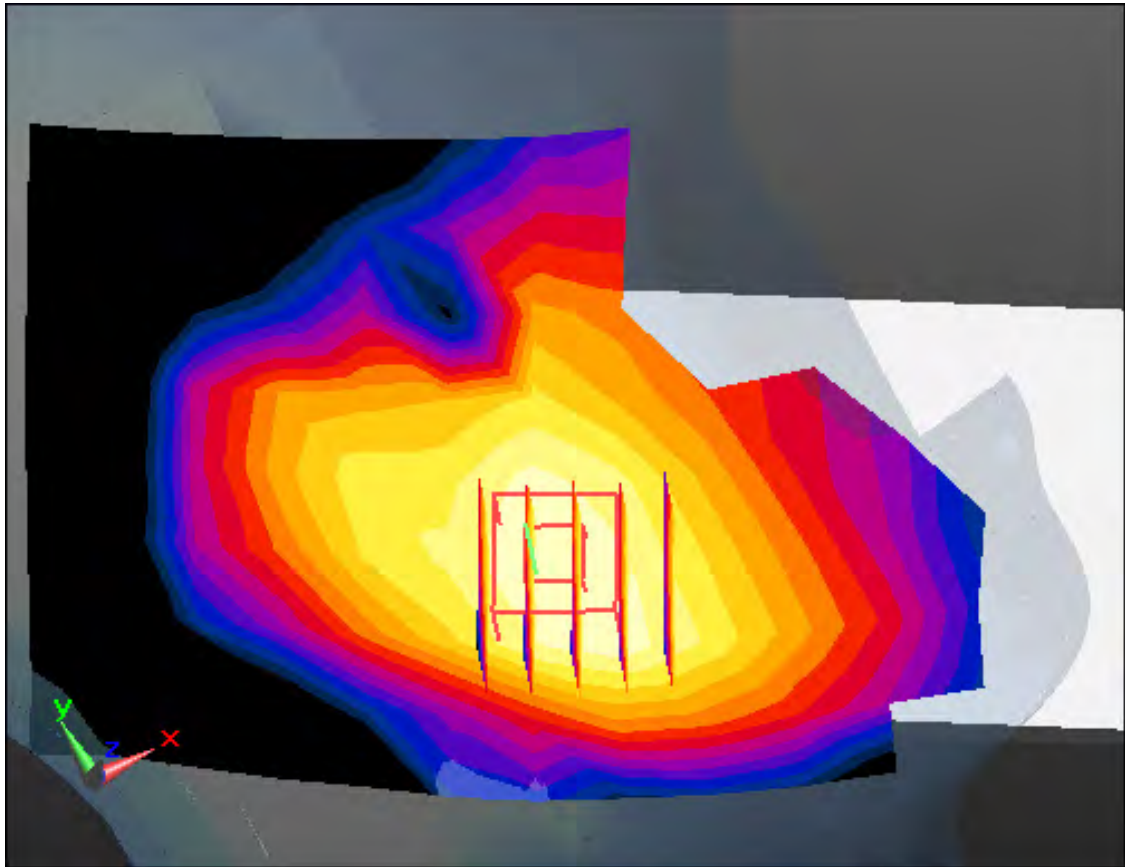
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0610 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.040 W/kg**



0 dB = 0.0570 W/kg



Enlarged Plot for A1

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, GSM 850\_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.898$  S/m;  $\epsilon_r = 42.147$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (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: 2019-12-02; Ambient Temp: 22.2; Tissue Temp: 22.6

**Left Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery**

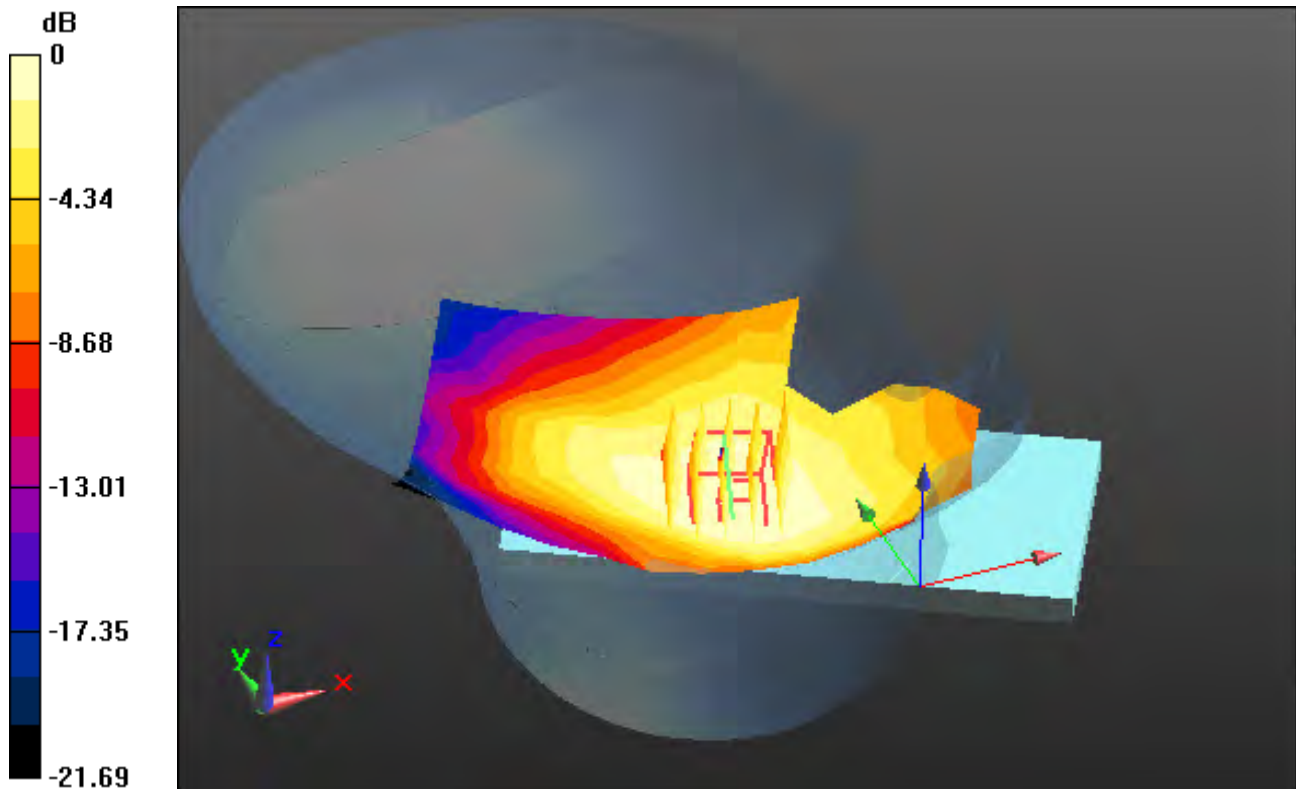
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

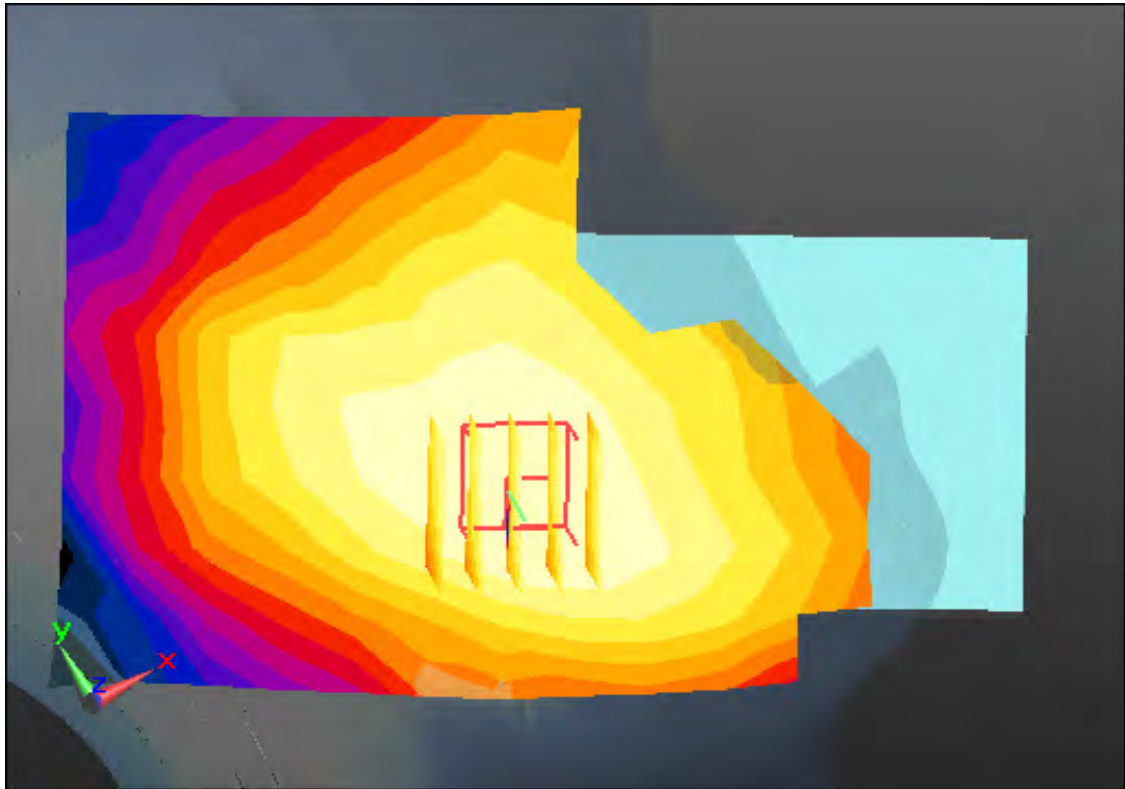
Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0690 W/kg

**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.046 W/kg**



0 dB = 0.0632 W/kg



Enlarged Plot for A2

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.382$  S/m;  $\epsilon_r = 39.935$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-03; Ambient Temp: 22.4; Tissue Temp: 22.1

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

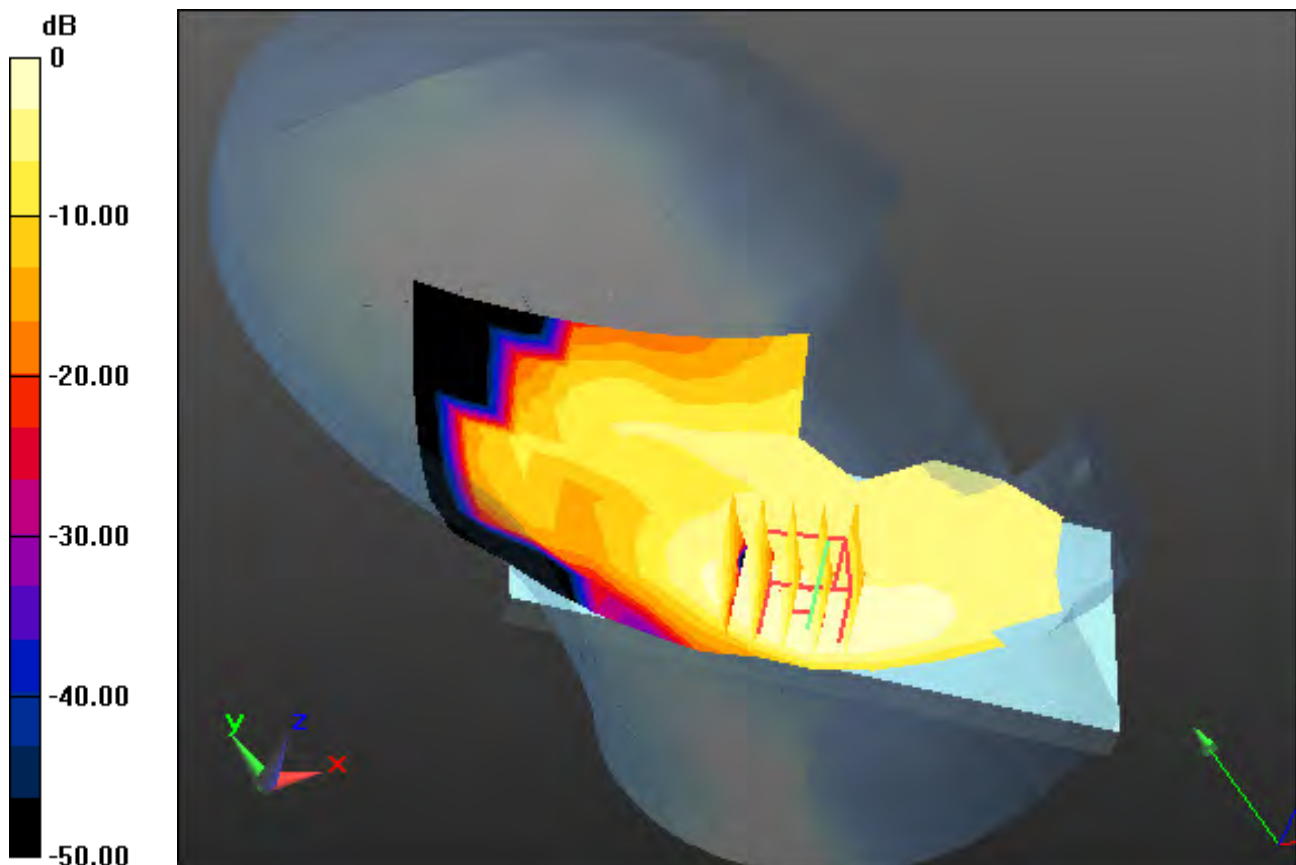
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

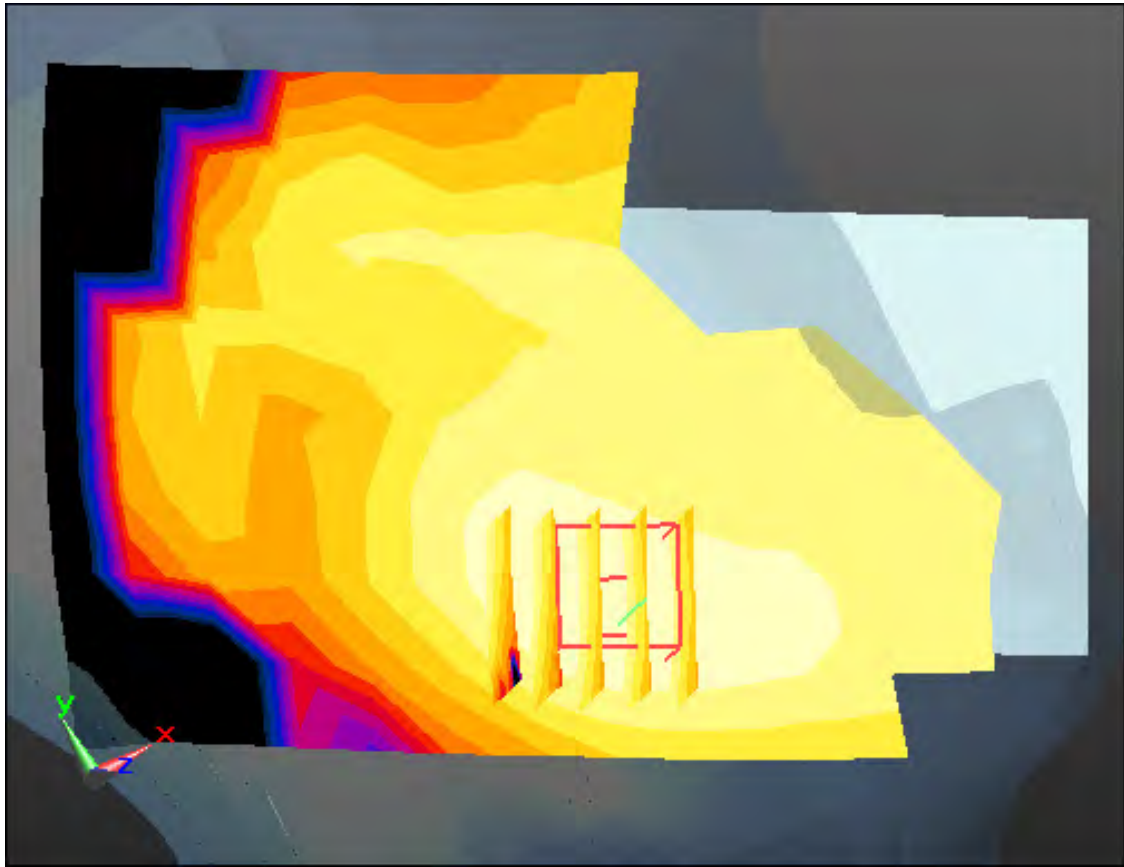
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0700 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.026 W/kg**



0 dB = 0.0575 W/kg



Enlarged Plot for A3

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.382$  S/m;  $\epsilon_r = 39.935$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-03; Ambient Temp: 22.4; Tissue Temp: 22.1

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

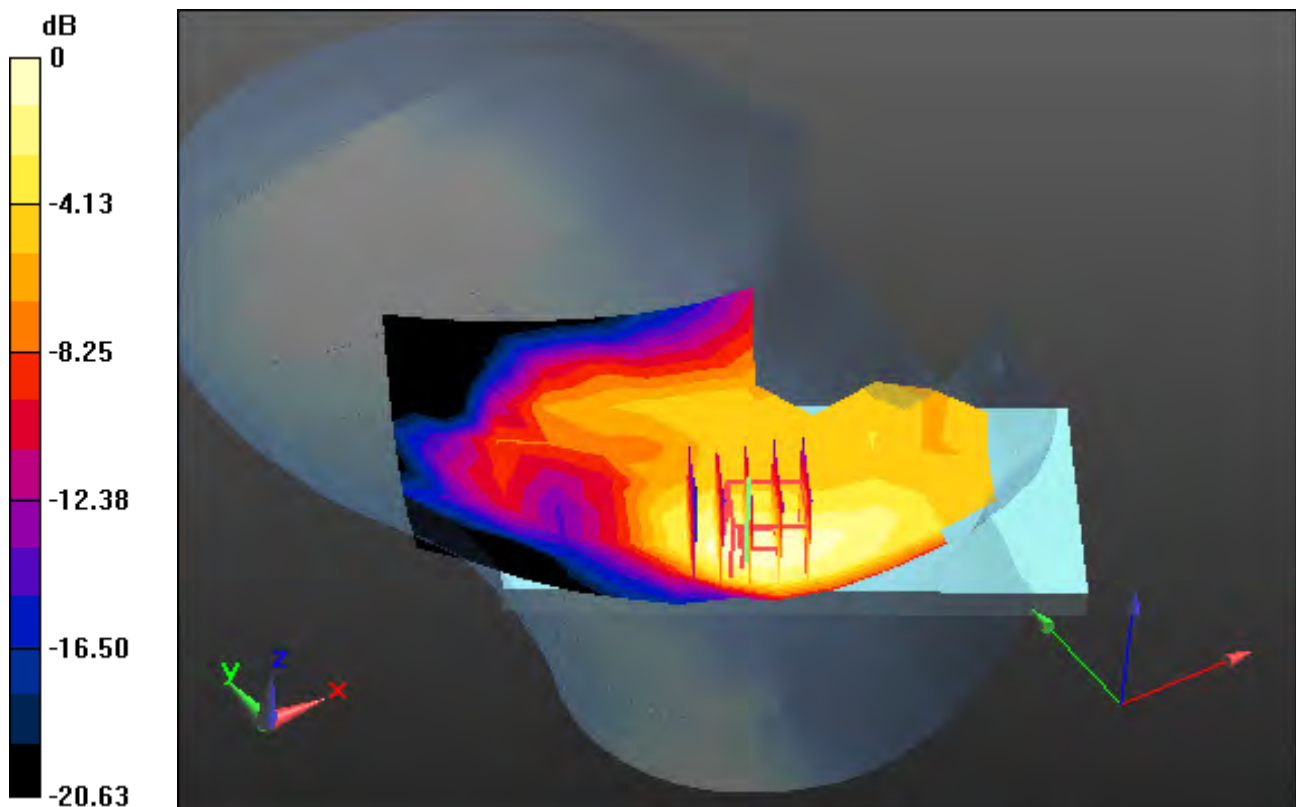
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

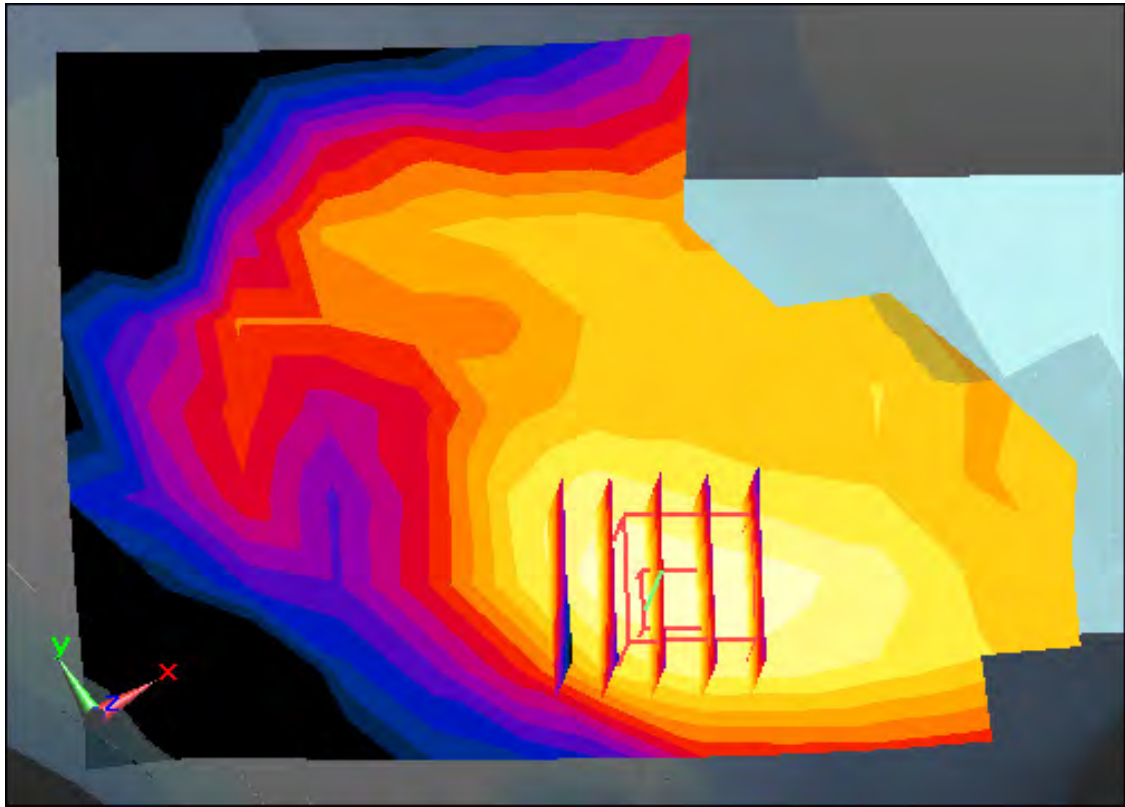
Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0860 W/kg

**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.031 W/kg**



0 dB = 0.0691 W/kg



Enlarged Plot for A4

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.898 \text{ S/m}$ ;  $\epsilon_r = 42.147$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (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: 2019-12-02; Ambient Temp: 22.2; Tissue Temp: 22.6

**Left Touch, WCDMA Band 5 Ch. 4183, Ant Internal, Standard Battery**

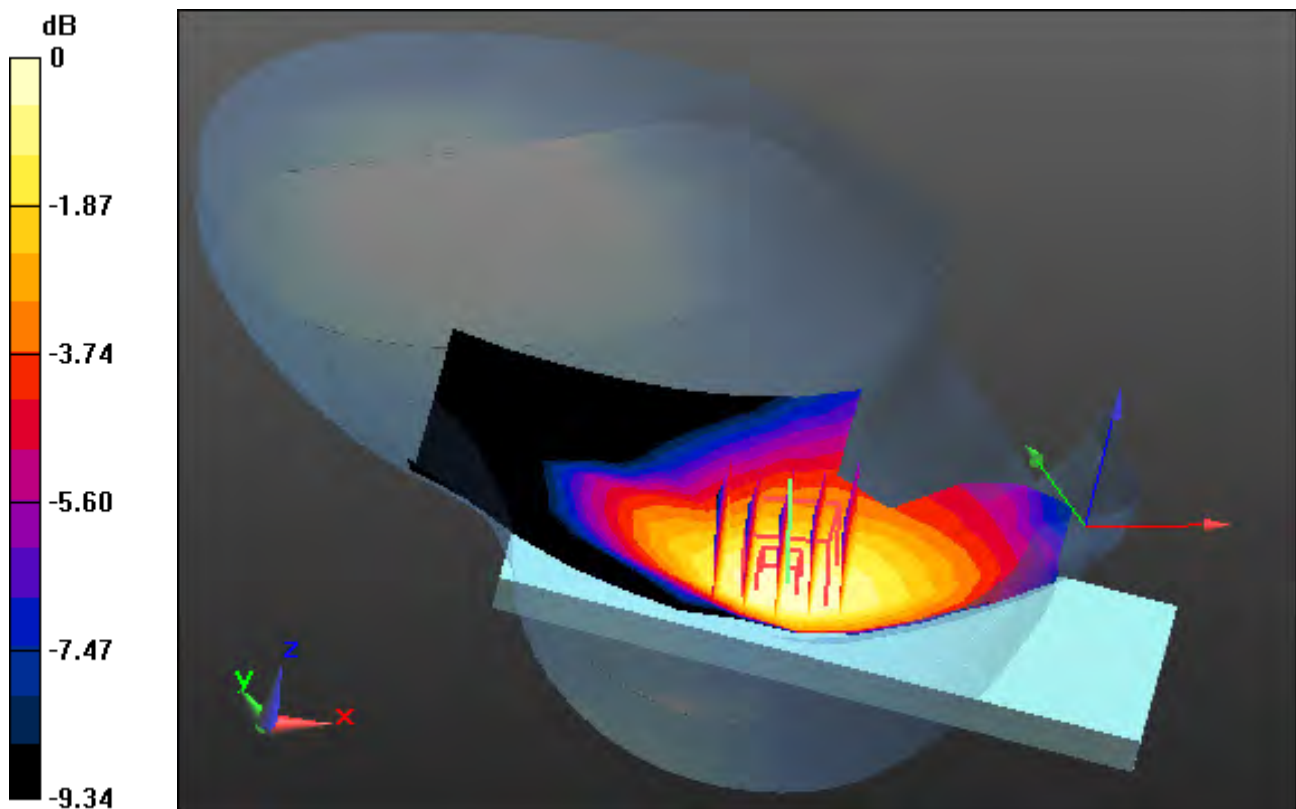
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

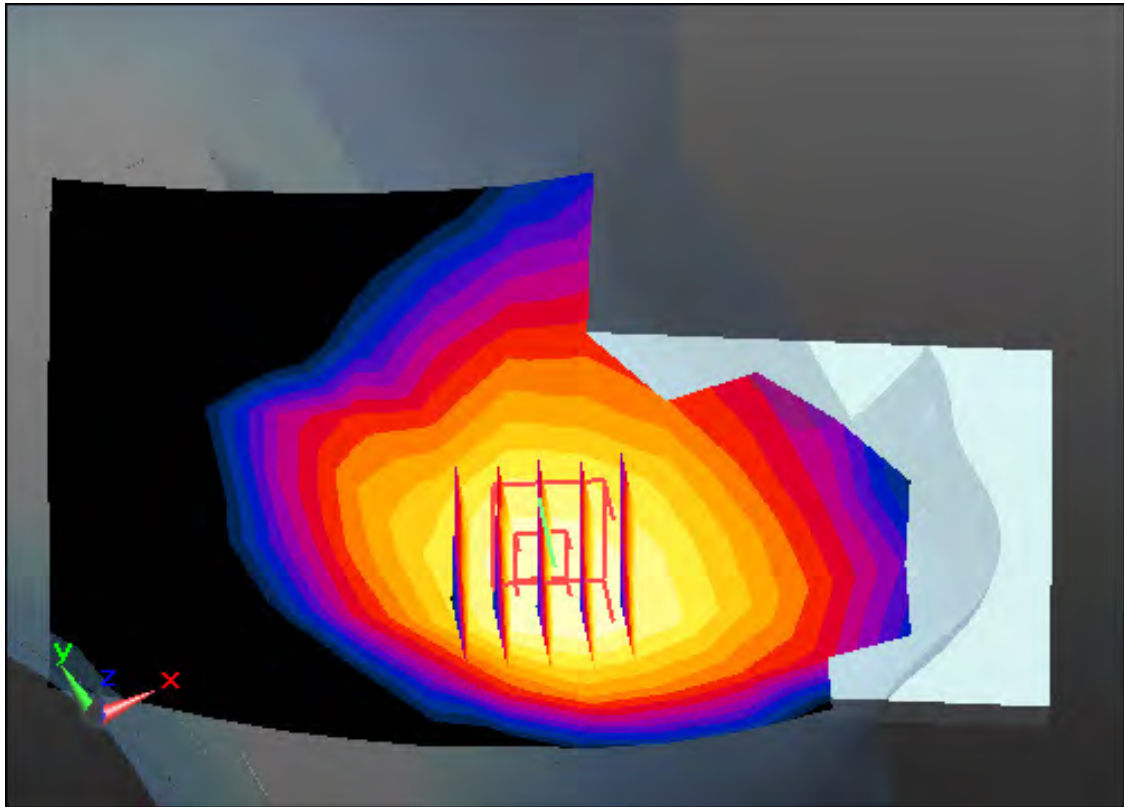
Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.065 W/kg**



0 dB = 0.0936 W/kg



Enlarged Plot for A5

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.316$  S/m;  $\epsilon_r = 41.35$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.87, 8.87, 8.87); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-04; Ambient Temp: 22.1; Tissue Temp: 22.6

**Left Touch, WCDMA Band 4, Ant Internal, Standard Battery**

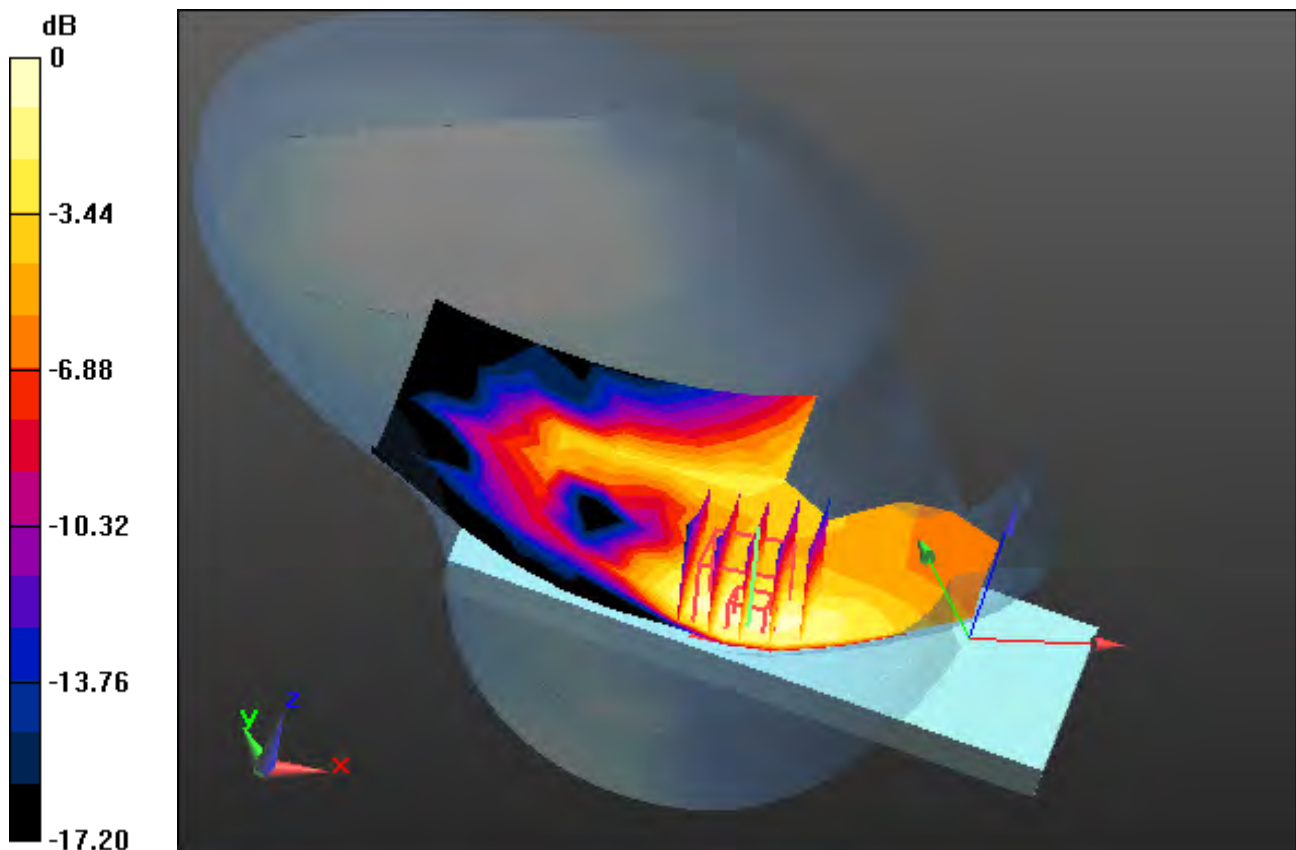
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

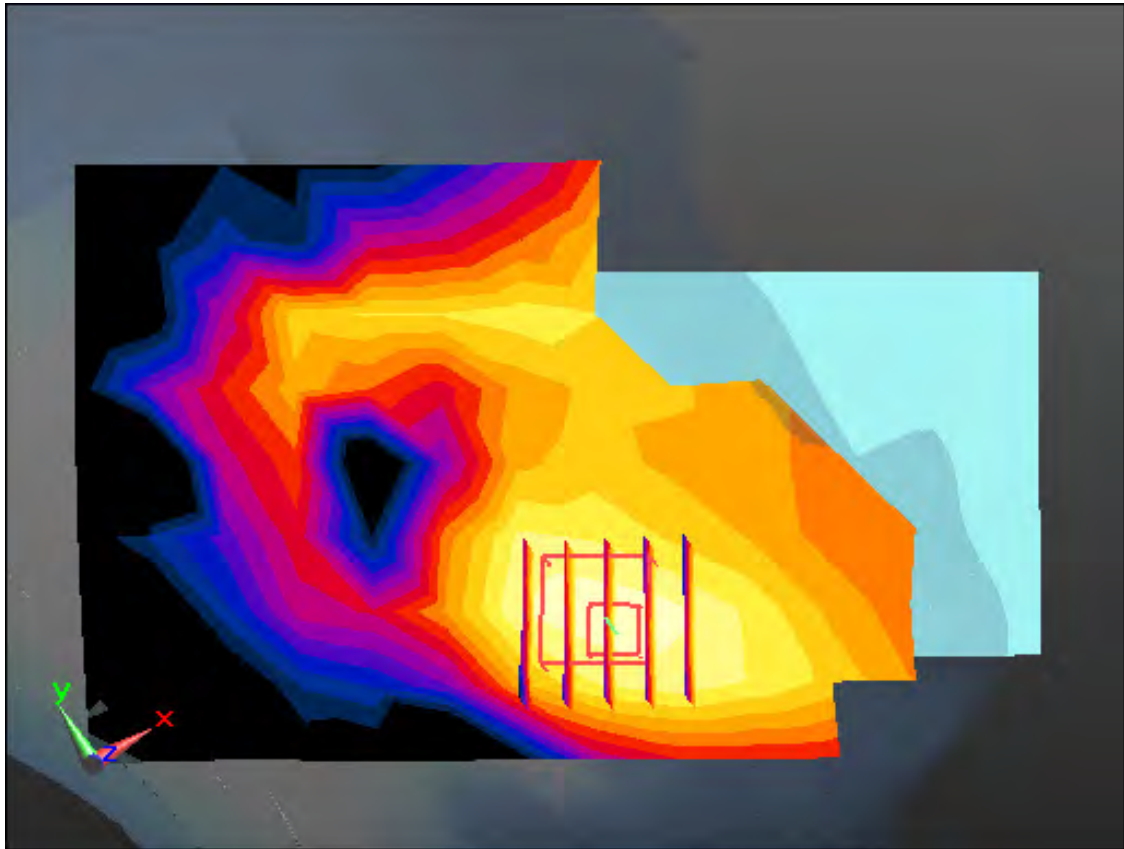
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0510 W/kg

**SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.020 W/kg**



0 dB = 0.0422 W/kg



Enlarged Plot for A6

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.382$  S/m;  $\epsilon_r = 39.935$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-03; Ambient Temp: 22.4; Tissue Temp: 22.1

**Left Touch, WCDMA Band 2 Ch. 9400, Ant Internal, Standard Battery**

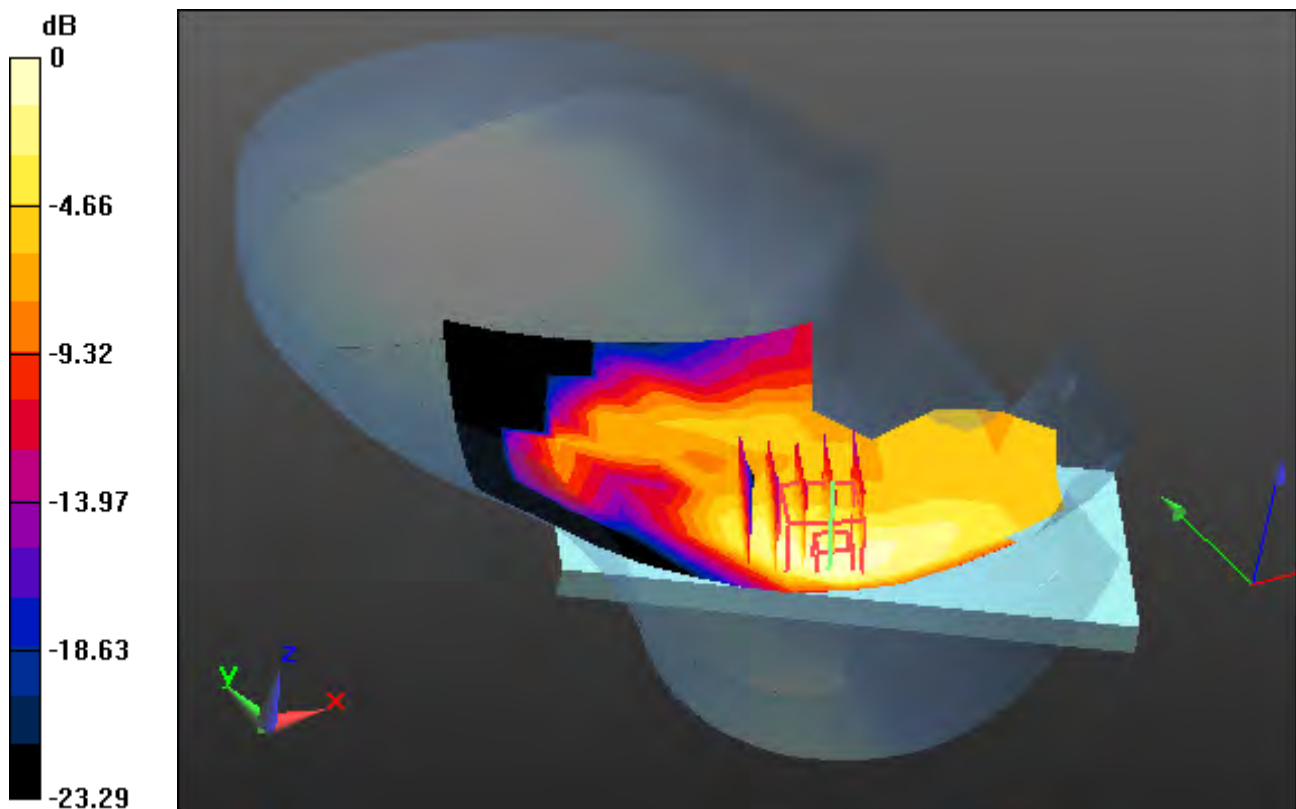
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

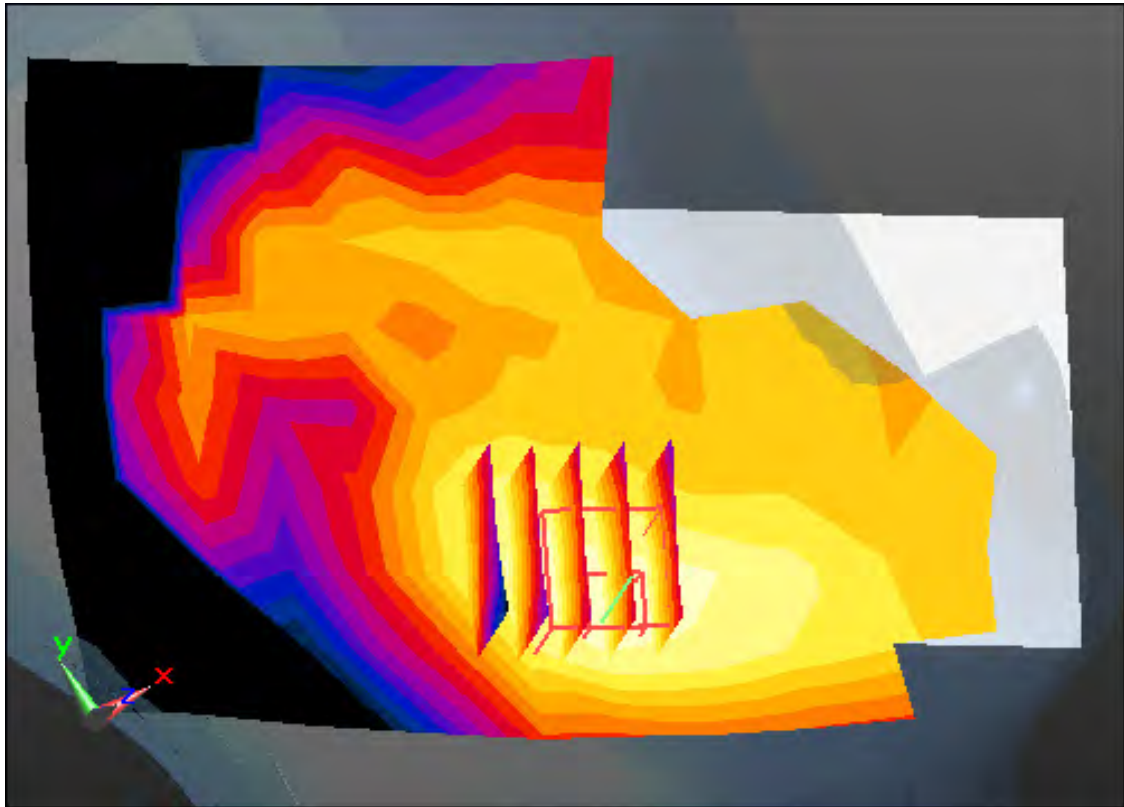
Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0820 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.029 W/kg**



0 dB = 0.0660 W/kg



Enlarged Plot for A7

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.857 \text{ S/m}$ ;  $\epsilon_r = 42.908$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.68, 10.68, 10.68); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (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: 2019-12-05; Ambient Temp: 20.0; Tissue Temp: 20.8

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

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

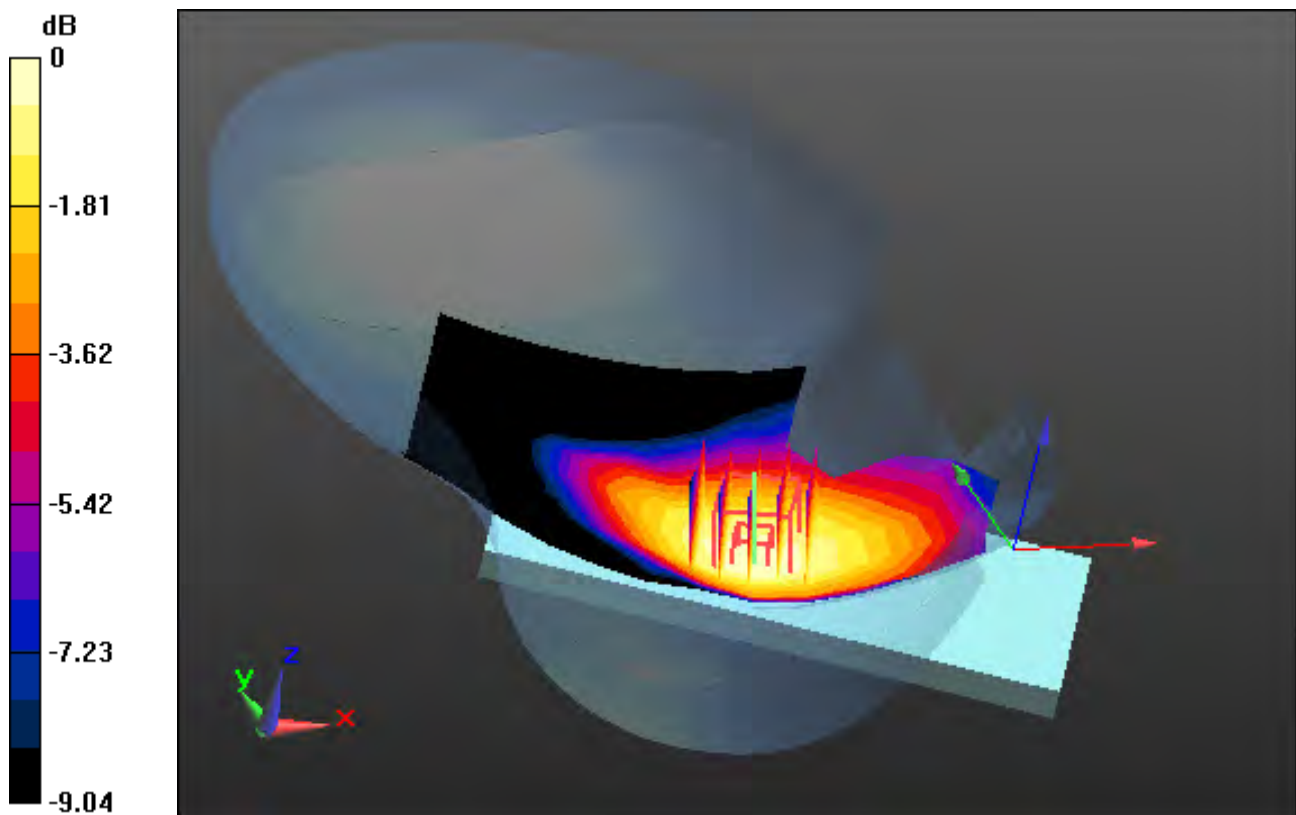
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

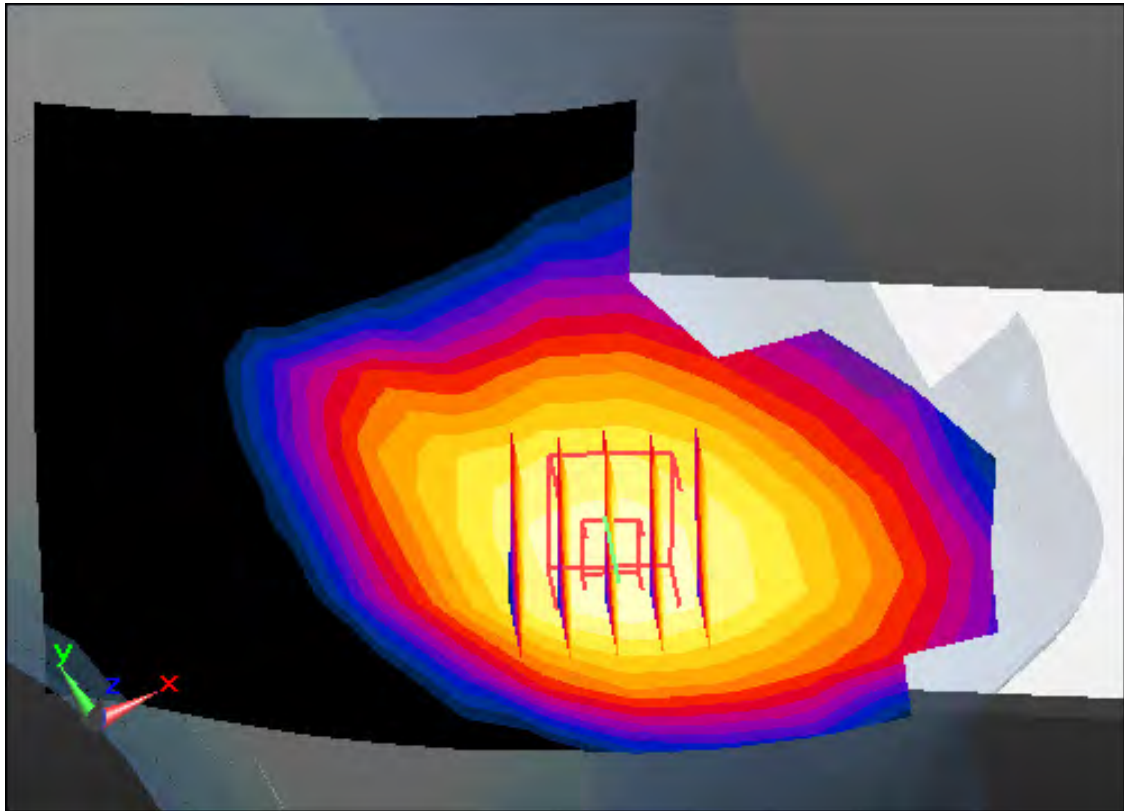
Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.105 W/kg**



0 dB = 0.145 W/kg



Enlarged Plot for A8

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.926 \text{ S/m}$ ;  $\epsilon_r = 41.959$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.68, 10.68, 10.68); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (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: 2019-12-05; Ambient Temp: 20.0; Tissue Temp: 20.8

**Left Touch, LTE Band 13 Ch. 23230, Ant Internal, Standard Battery**

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

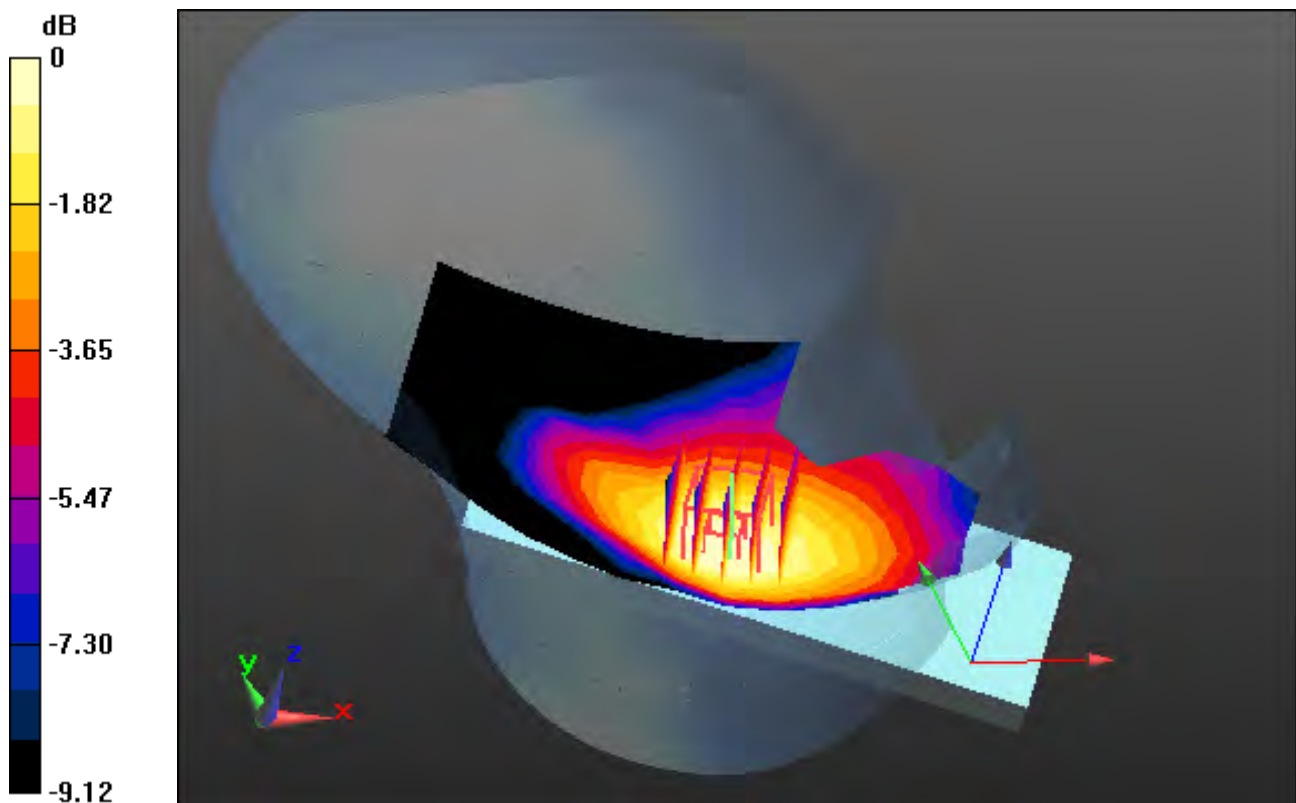
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

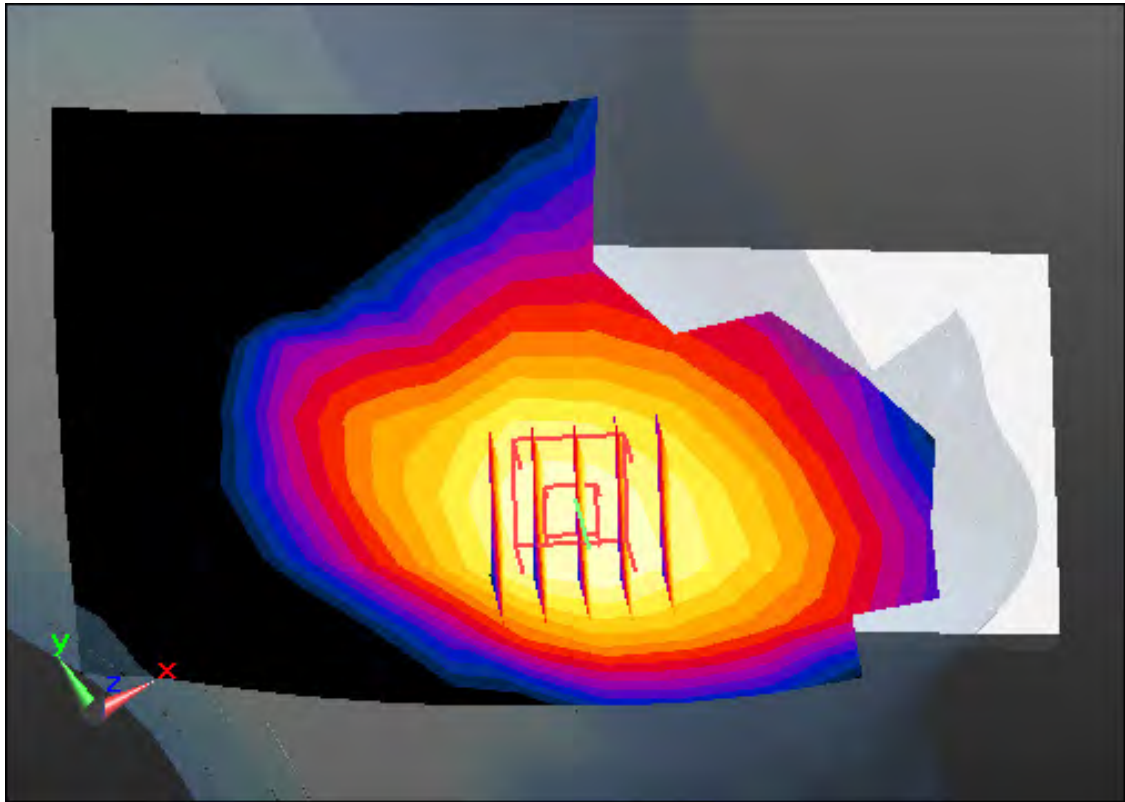
Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.142 W/kg

**SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.090 W/kg**



0 dB = 0.128 W/kg



Enlarged Plot for A9

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.898 \text{ S/m}$ ;  $\epsilon_r = 42.149$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (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: 2019-12-02; Ambient Temp: 22.2; Tissue Temp: 22.6

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

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

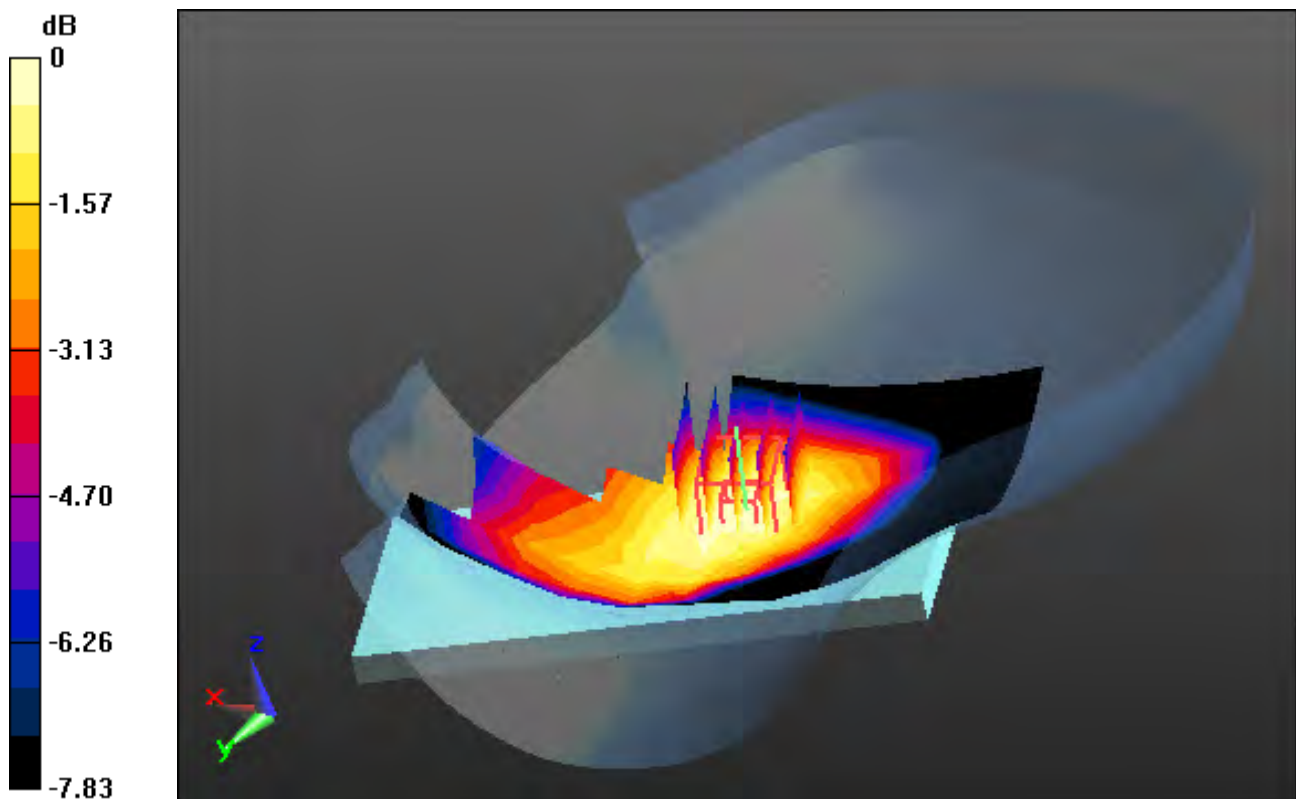
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

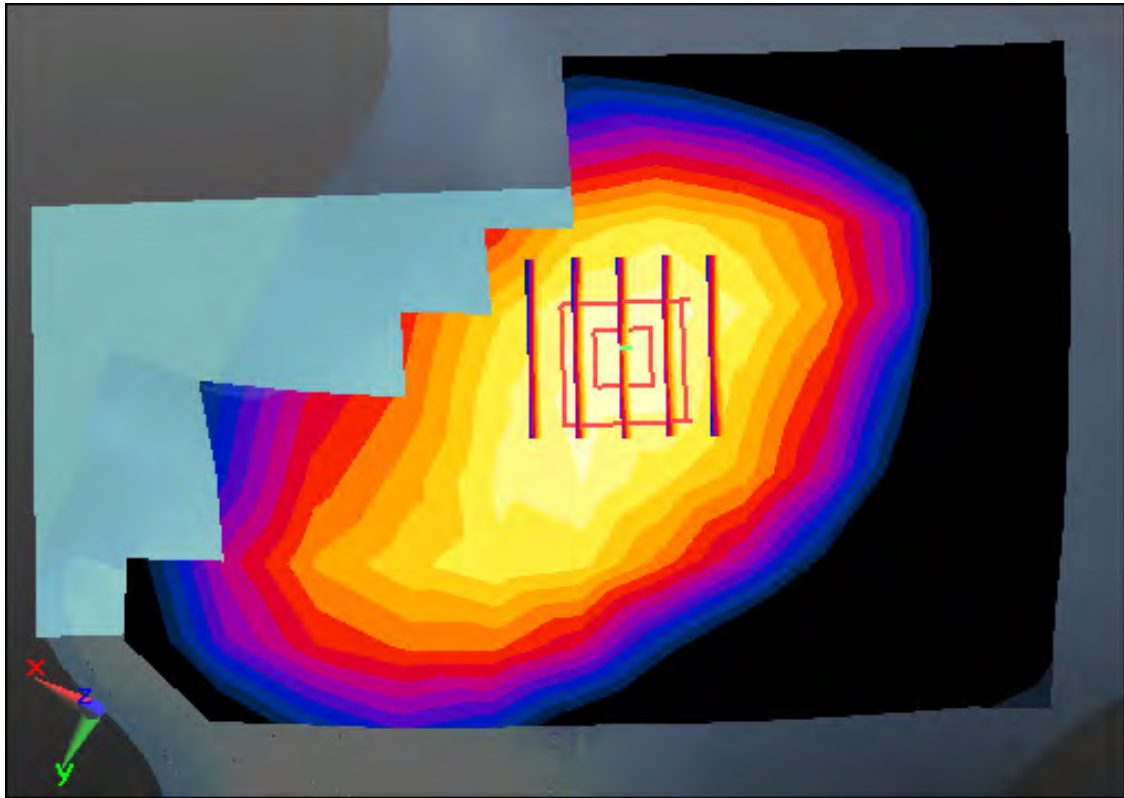
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.068 W/kg**



0 dB = 0.0949 W/kg



Enlarged Plot for A10

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.317$  S/m;  $\epsilon_r = 41.349$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.87, 8.87, 8.87); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-12-04; Ambient Temp: 22.1; Tissue Temp: 22.6

**Left Touch, LTE Band 4 Ch. 20175, Ant Internal, Standard Battery**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

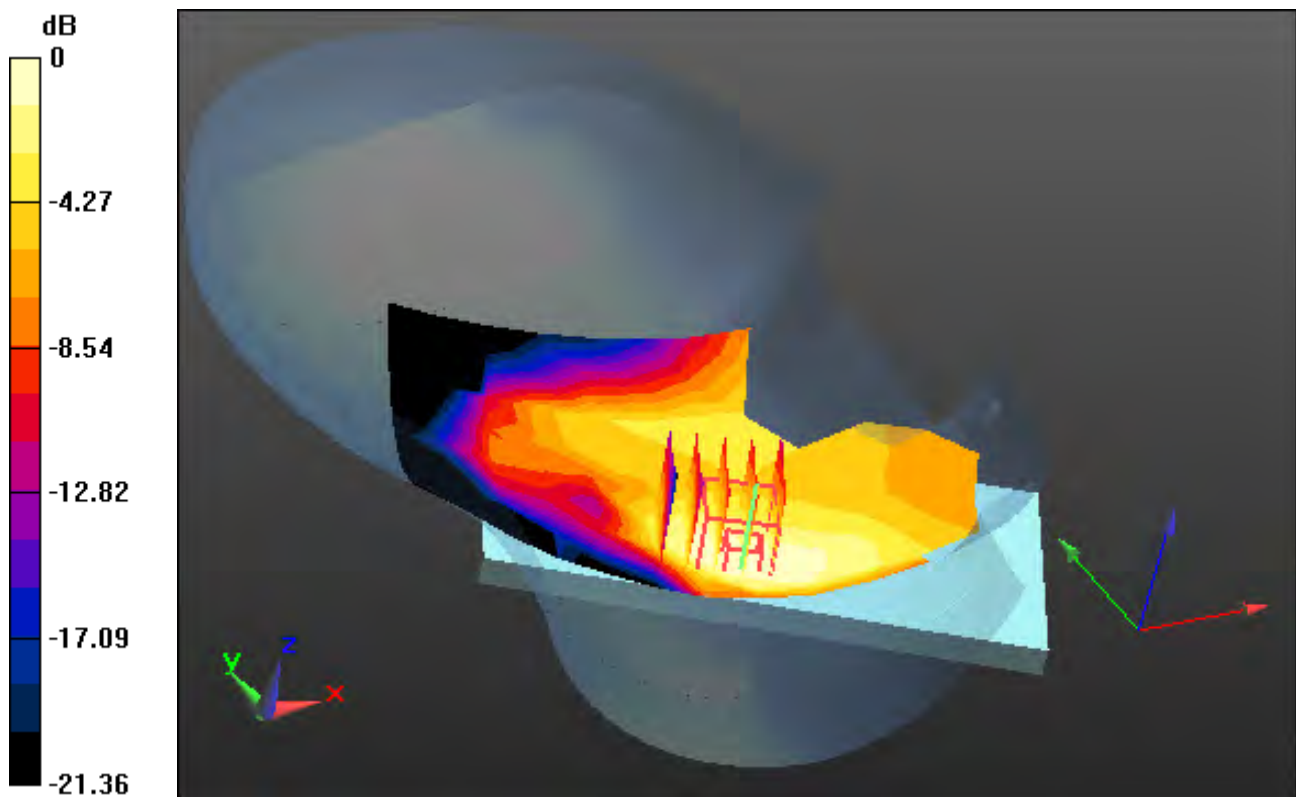
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

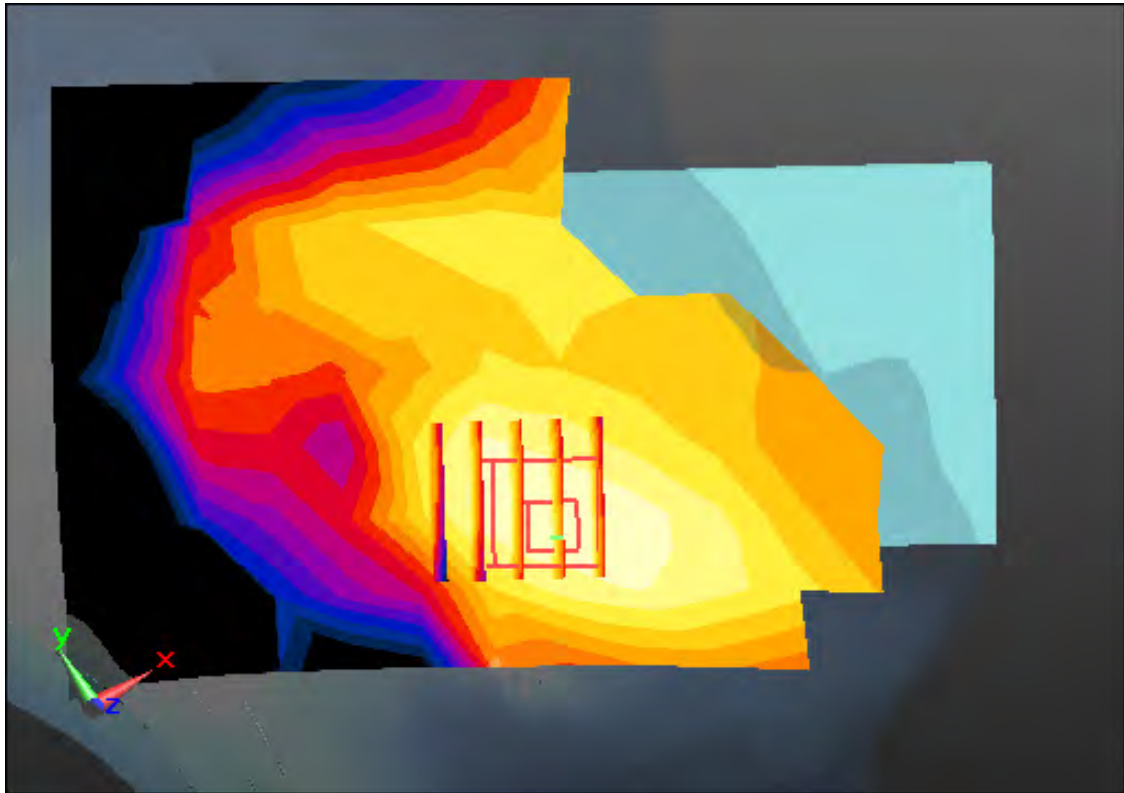
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0570 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.025 W/kg**



0 dB = 0.0479 W/kg



Enlarged Plot for A11

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.382 \text{ S/m}$ ;  $\epsilon_r = 39.935$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-03; Ambient Temp: 22.4; Tissue Temp: 22.1

**Left Touch, LTE Band 2 Ch. 18900, Ant Internal, Standard Battery**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

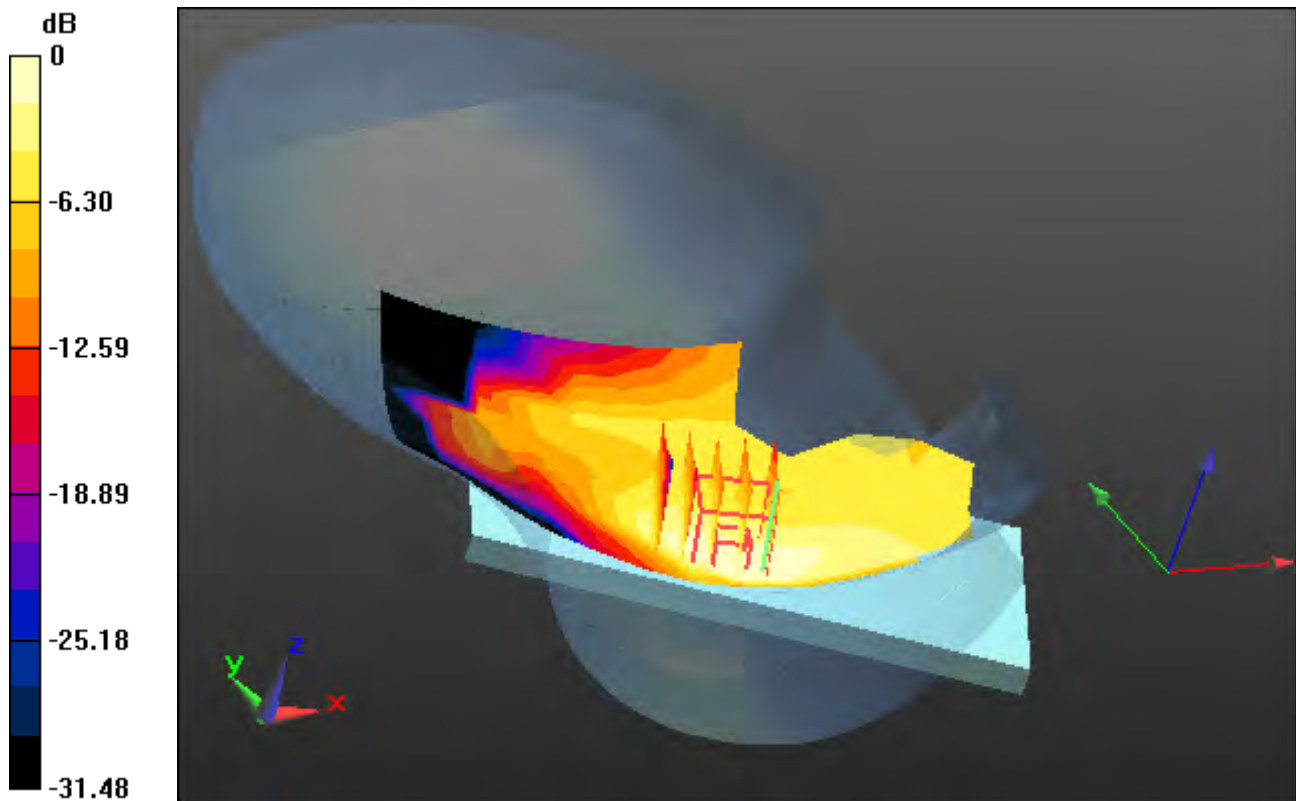
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

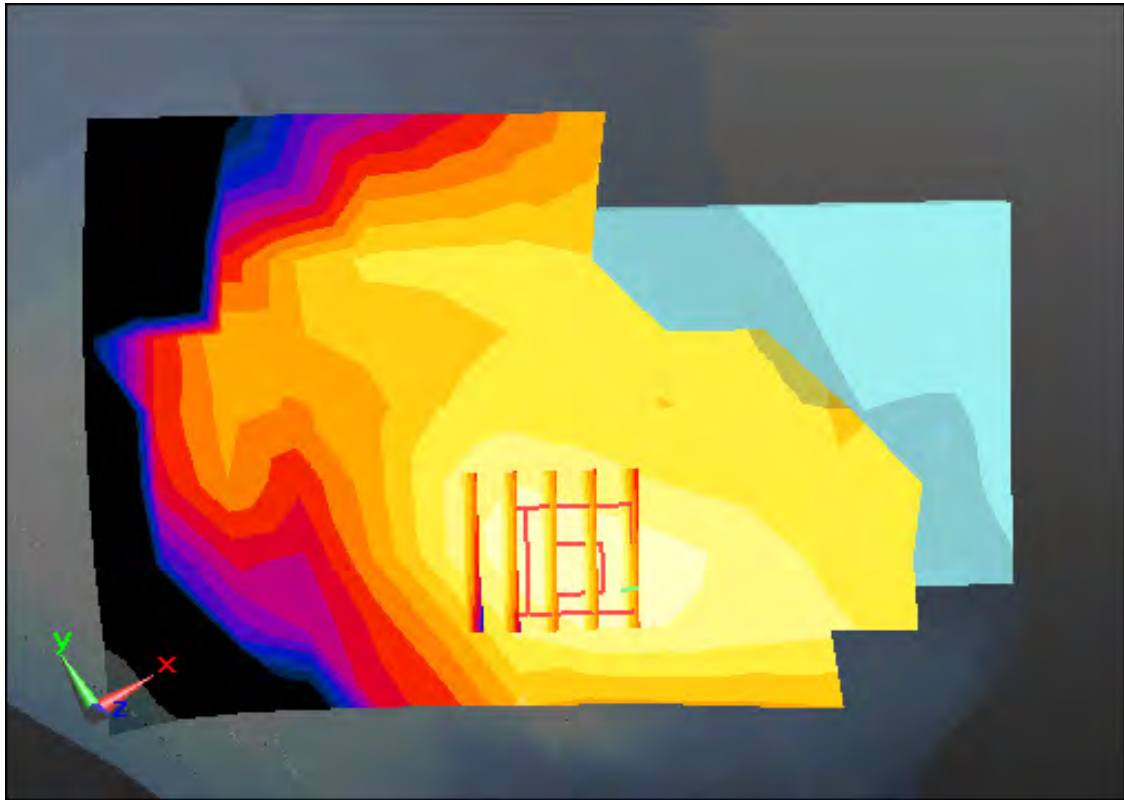
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0890 W/kg

**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.034 W/kg**



0 dB = 0.0705 W/kg



Enlarged Plot for A12

## DT&C Co., Ltd.

### **DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.846 \text{ S/m}$ ;  $\epsilon_r = 40.203$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(7.61, 7.61, 7.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-02; Ambient Temp: 20.1; Tissue Temp: 20.3

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

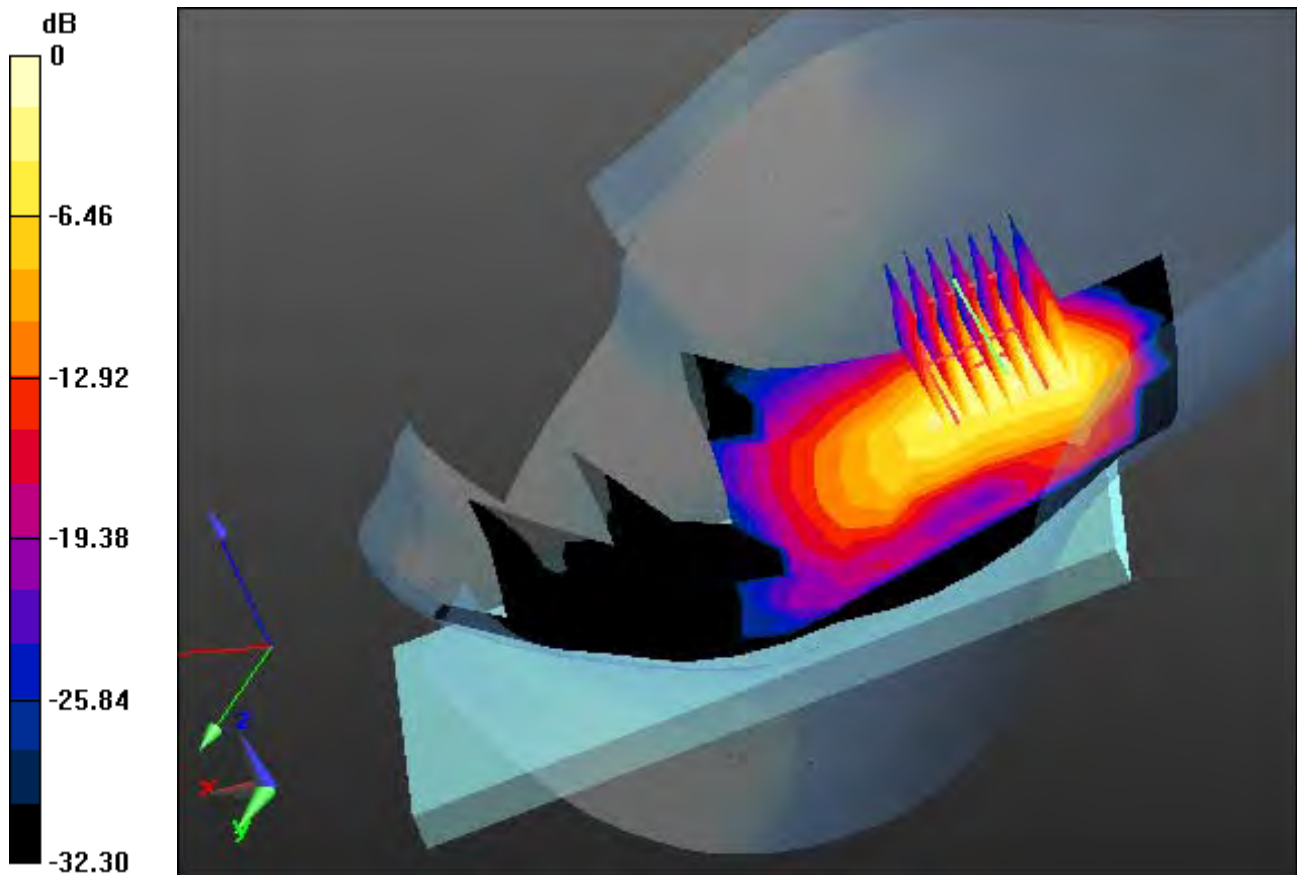
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

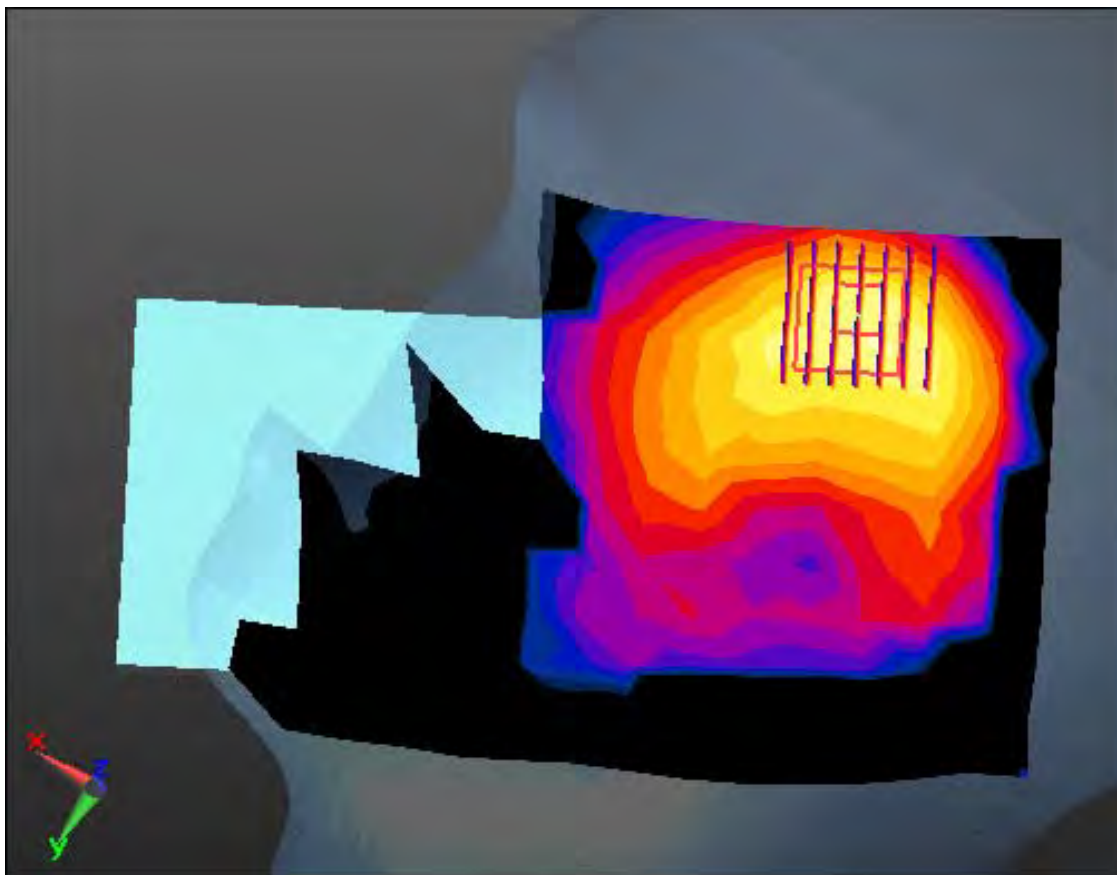
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.179 W/kg**



0 dB = 0.844 W/kg



Enlarge Plot for A13

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.79 \text{ S/m}$ ;  $\epsilon_r = 40.368$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(7.61, 7.61, 7.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-02; Ambient Temp: 20.1; Tissue Temp: 20.3

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

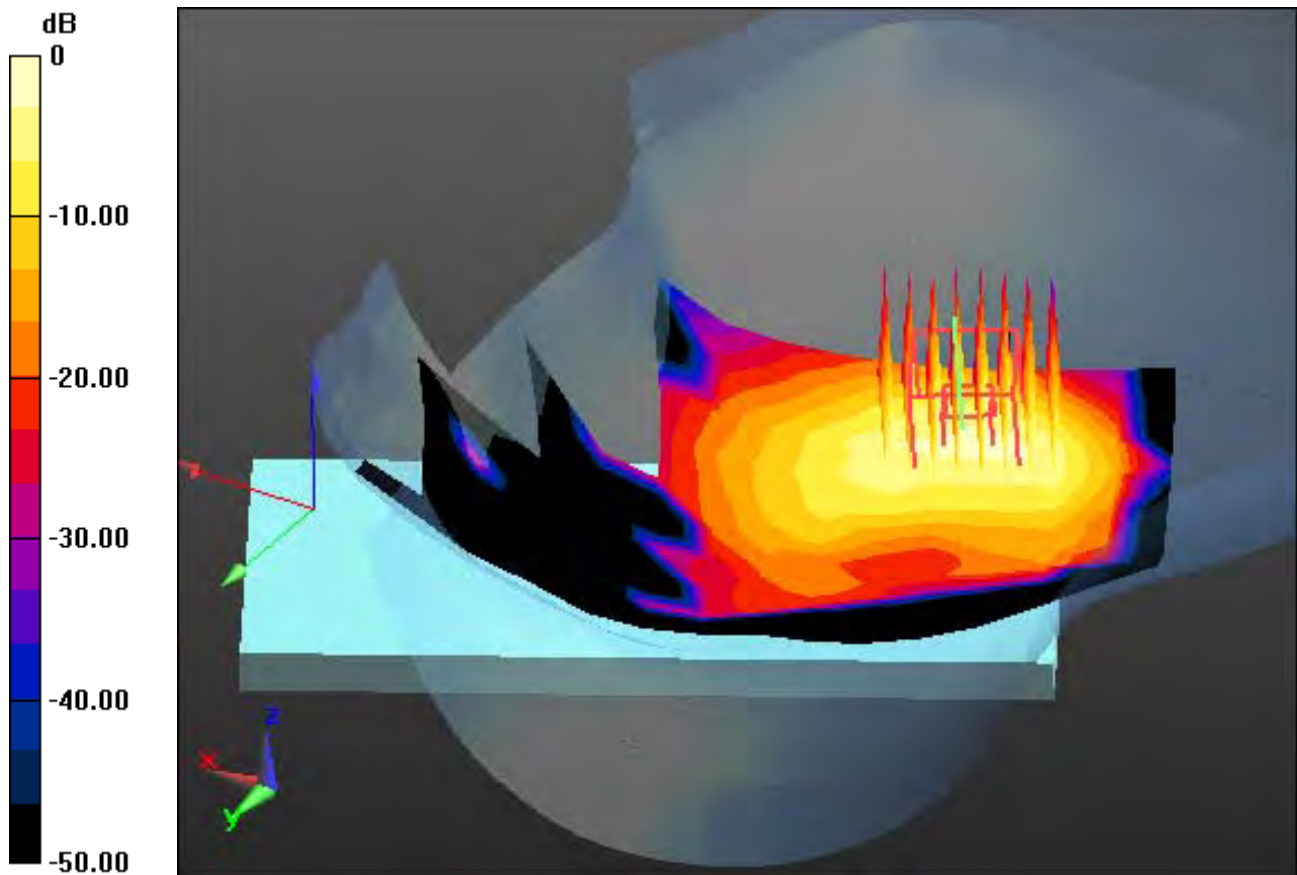
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

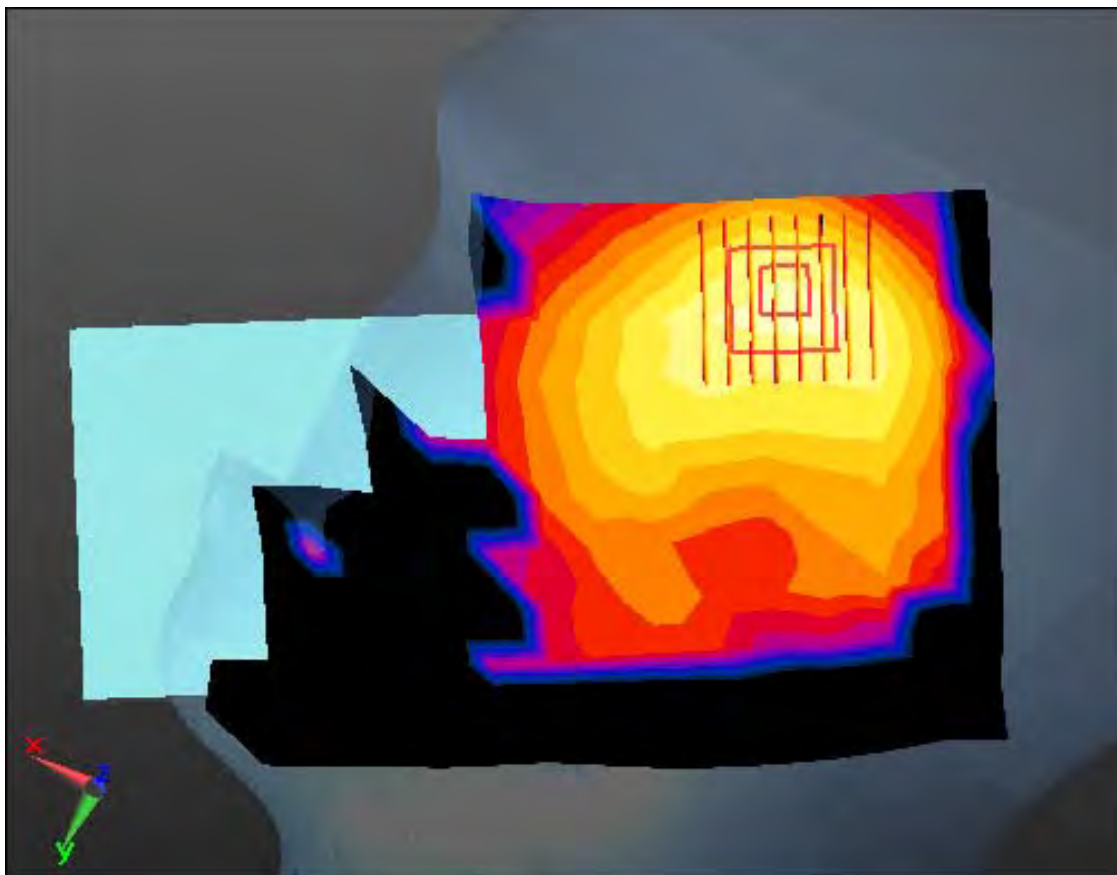
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.171 W/kg**



0 dB = 0.839 W/kg



Enlarge Plot for A14

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.846 \text{ S/m}$ ;  $\epsilon_r = 40.203$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(7.61, 7.61, 7.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-02; Ambient Temp: 20.1; Tissue Temp: 20.3

**Right Touch, W-LAN(802.11g) Ch. 11, Ant Internal, Standard Battery, MIMO**

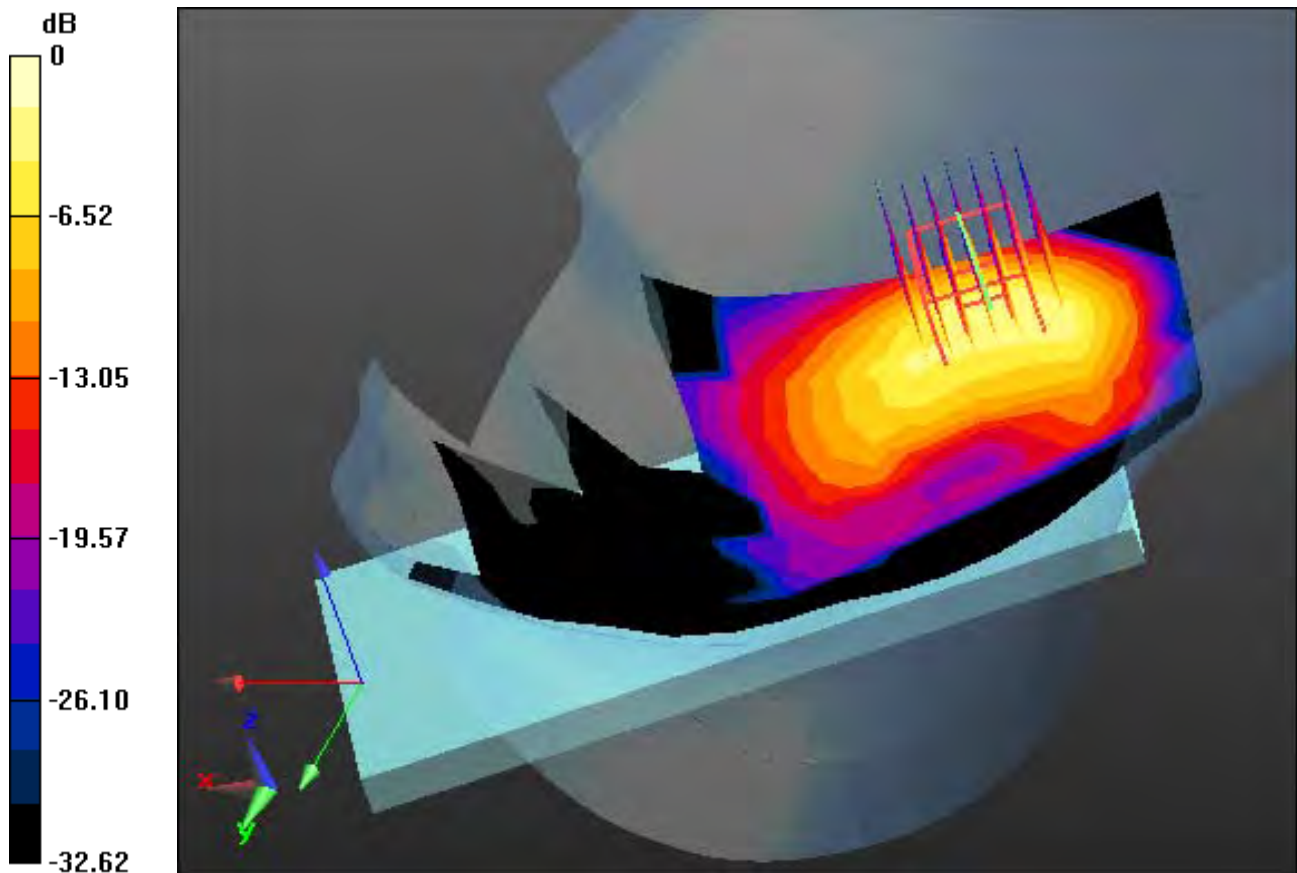
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

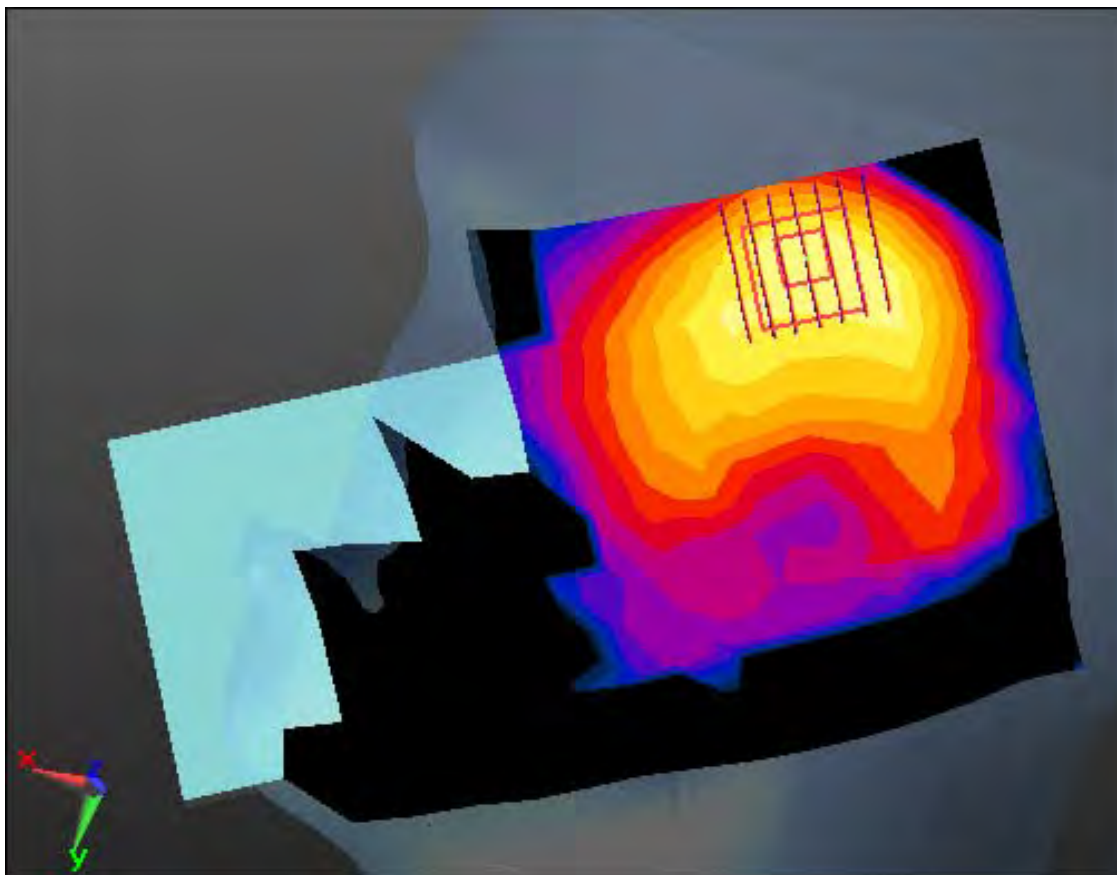
Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.178 W/kg**



0 dB = 0.834 W/kg



Enlarge Plot for A15

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.935$  S/m;  $\epsilon_r = 35.417$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.97, 4.97, 4.97); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-04; Ambient Temp: 20.2; Tissue Temp: 20.3

**Right Touch, W-LAN(802.11a) Ch. 60, Ant Internal, Standard Battery, Ant. 1**

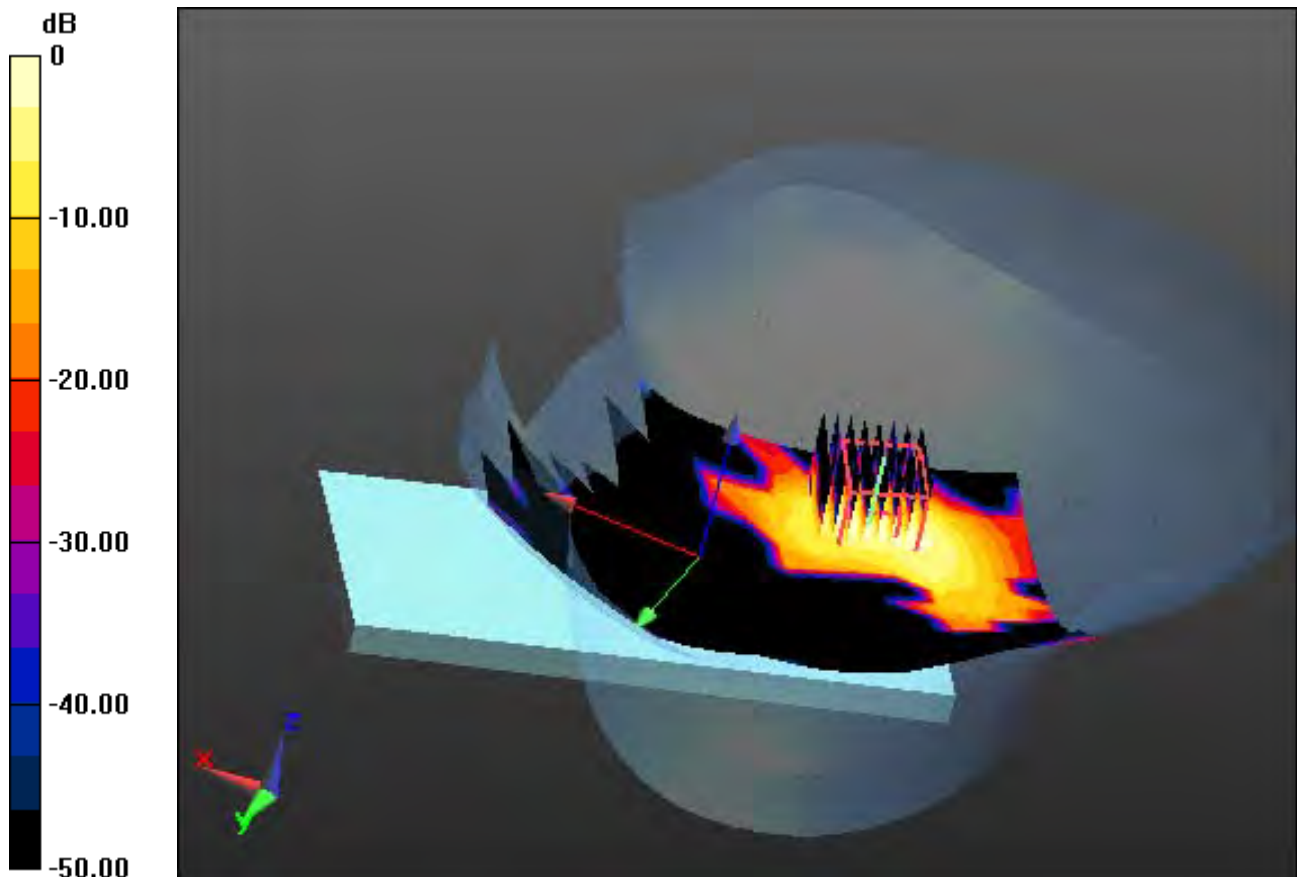
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

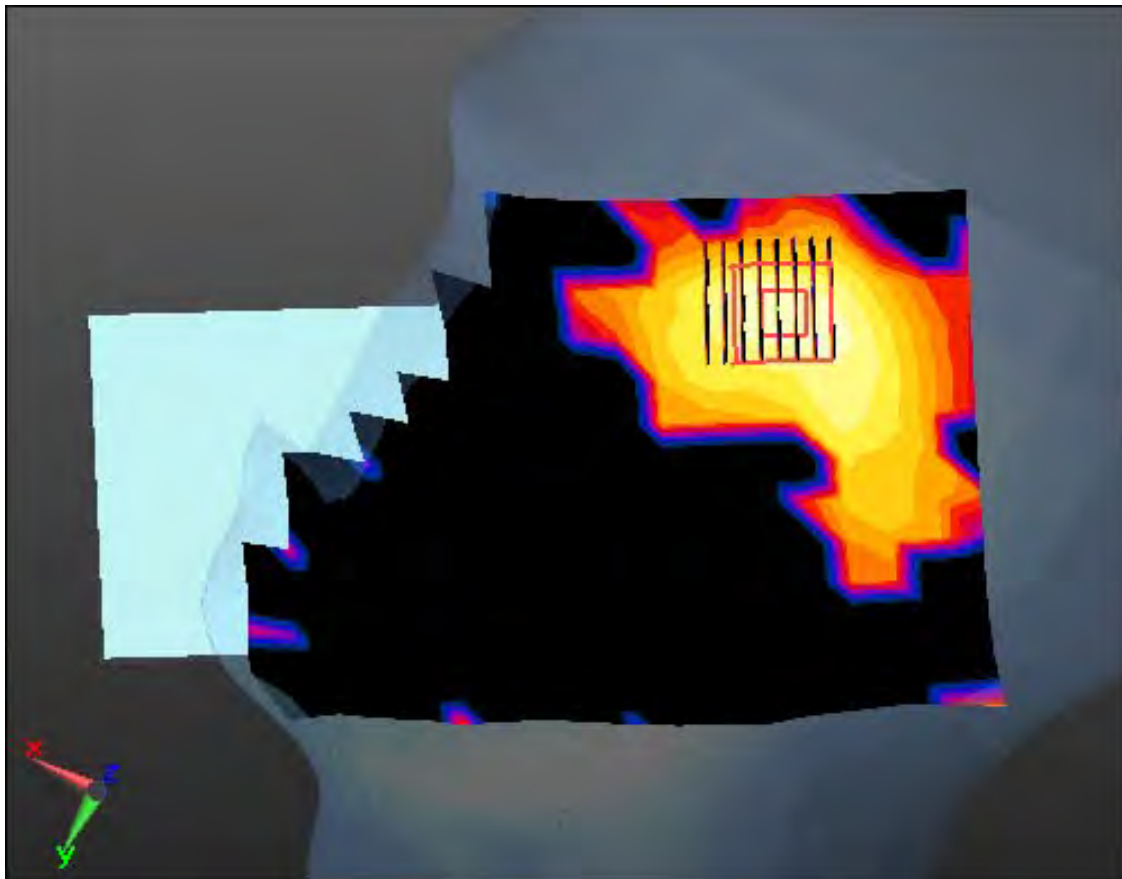
Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.097 W/kg**



0 dB = 0.748 W/kg



Enlarge Plot for A16

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 4.935 \text{ S/m}$ ;  $\epsilon_r = 35.417$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.97, 4.97, 4.97); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-04; Ambient Temp: 20.2; Tissue Temp: 20.3

**Right Tilt, W-LAN(802.11a) Ch. 60, Ant Internal, Standard Battery, Ant. 2**

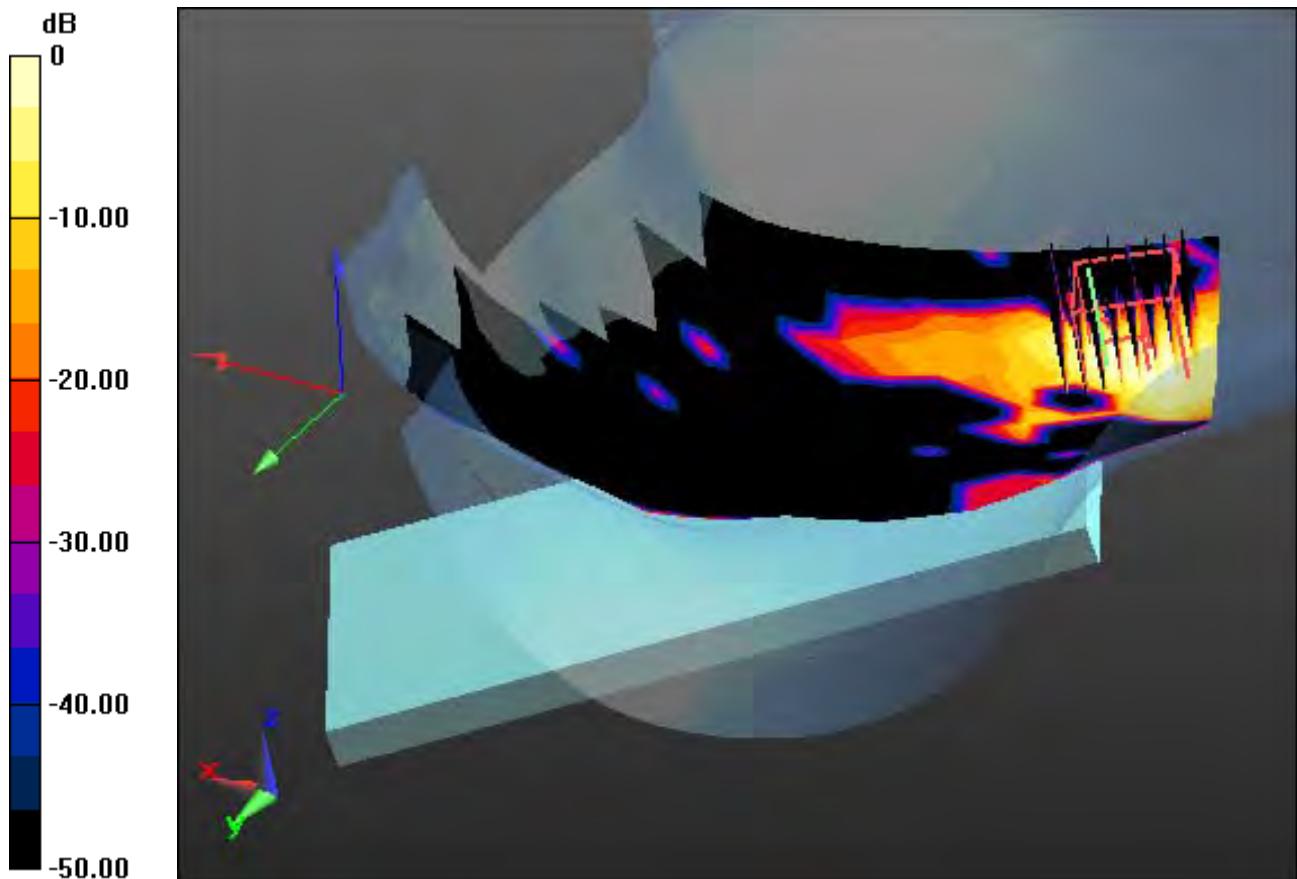
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

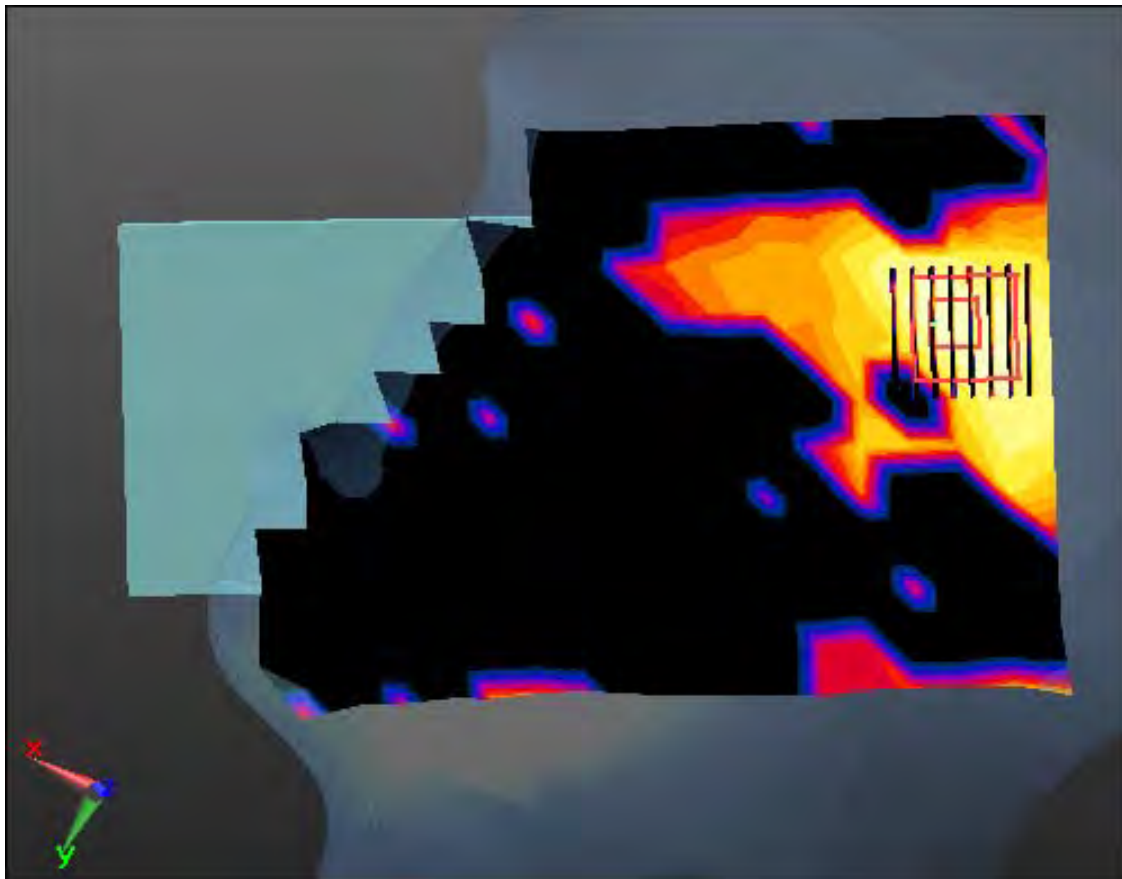
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.714 W/kg

**SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.053 W/kg**



0 dB = 0.404 W/kg



Enlarge Plot for A17

## DT&C Co., Ltd.

### **DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.935$  S/m;  $\epsilon_r = 35.417$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.97, 4.97, 4.97); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-04; Ambient Temp: 20.2; Tissue Temp: 20.3

### **Right Tilt, W-LAN(802.11a) Ch. 60, Ant Internal, Standard Battery, MIMO**

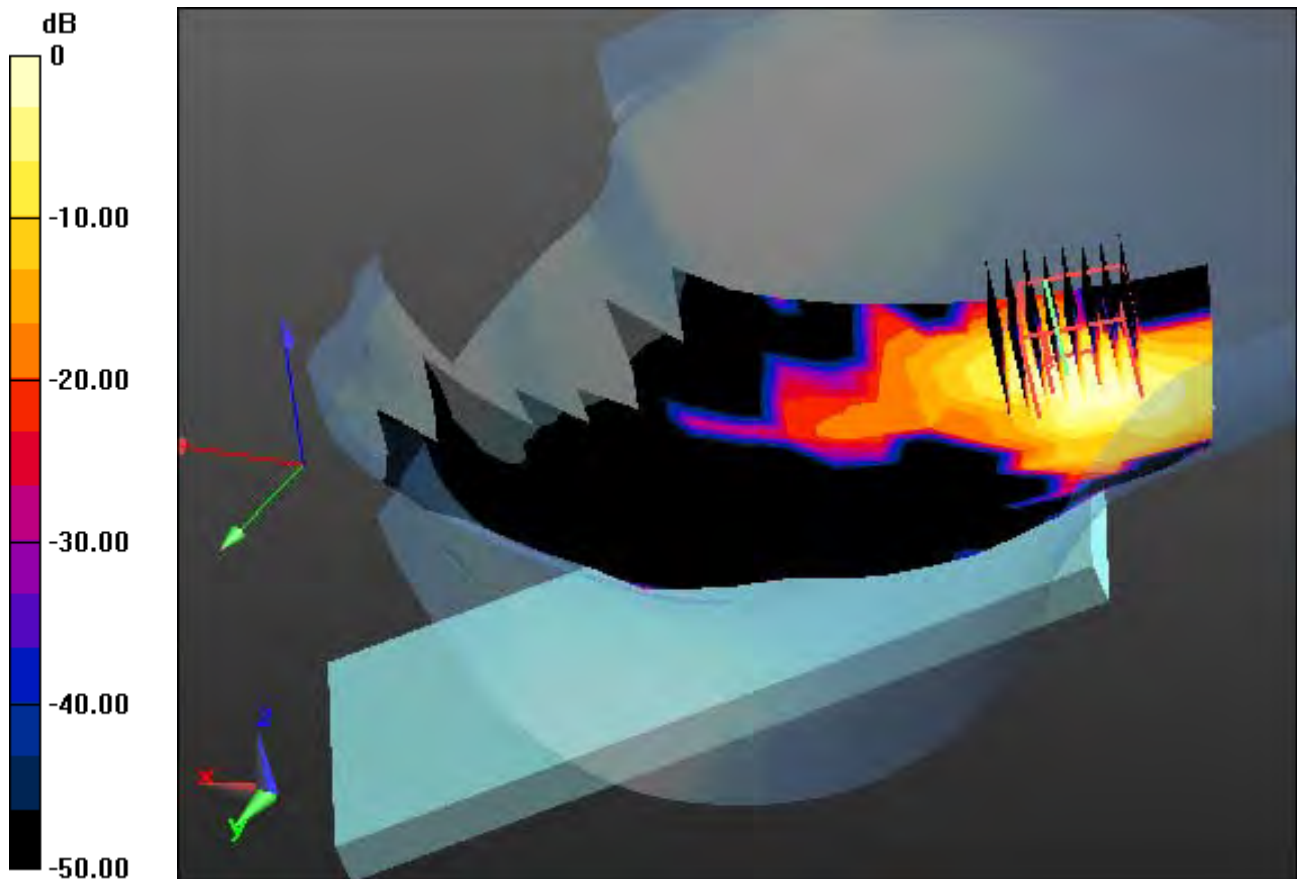
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

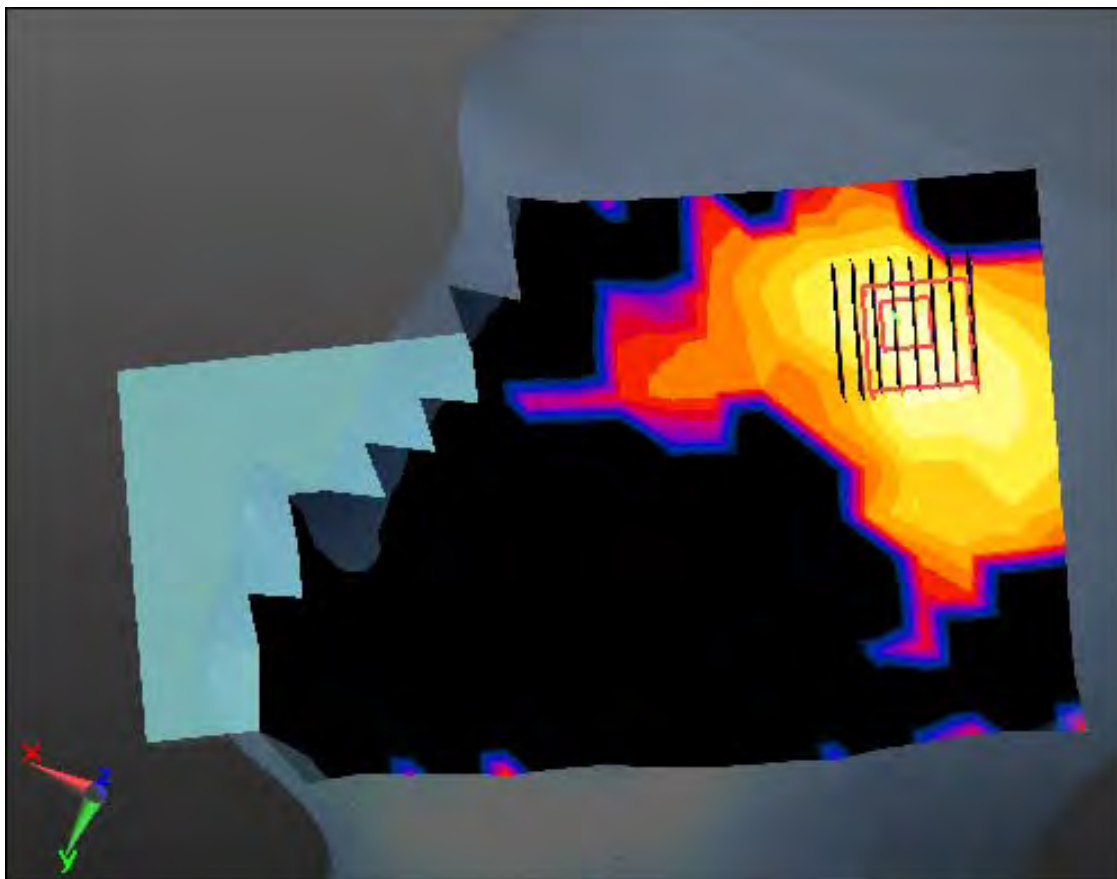
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.094 W/kg**



0 dB = 0.740 W/kg



Enlarge Plot for A18

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.934$  S/m;  $\epsilon_r = 36.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.9, 4.9, 4.9); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-06; Ambient Temp: 20.3; Tissue Temp: 20.7

**Right Touch, W-LAN(802.11a) Ch. 100, Ant Internal, Standard Battery, Ant. 1**

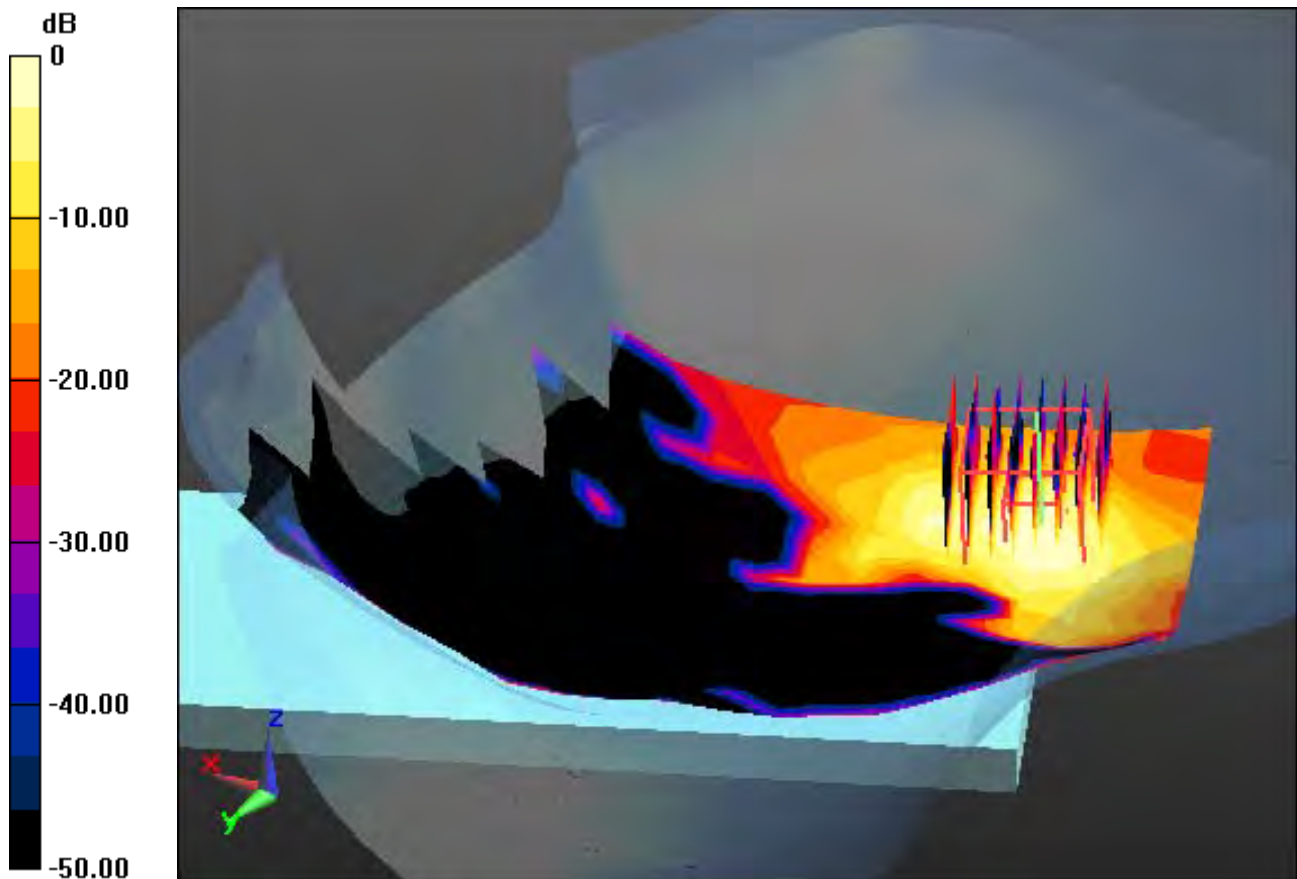
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.091 W/kg**



0 dB = 0.726 W/kg



Enlarge Plot for A19

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 5.177 \text{ S/m}$ ;  $\epsilon_r = 36.443$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.61, 4.61, 4.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-06; Ambient Temp: 20.3; Tissue Temp: 20.7

**Right Touch, W-LAN(802.11a) Ch. 144, Ant Internal, Standard Battery, Ant. 2**

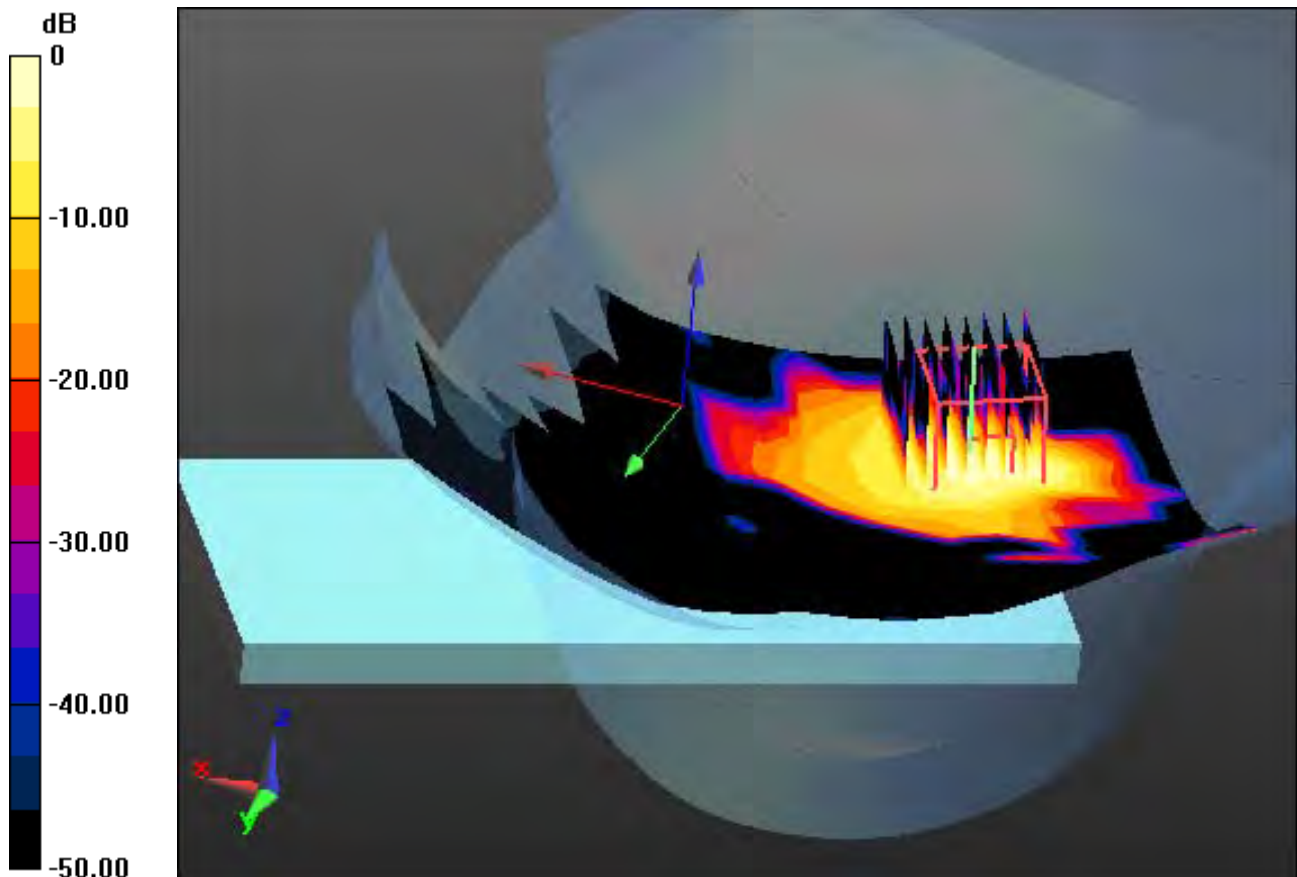
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

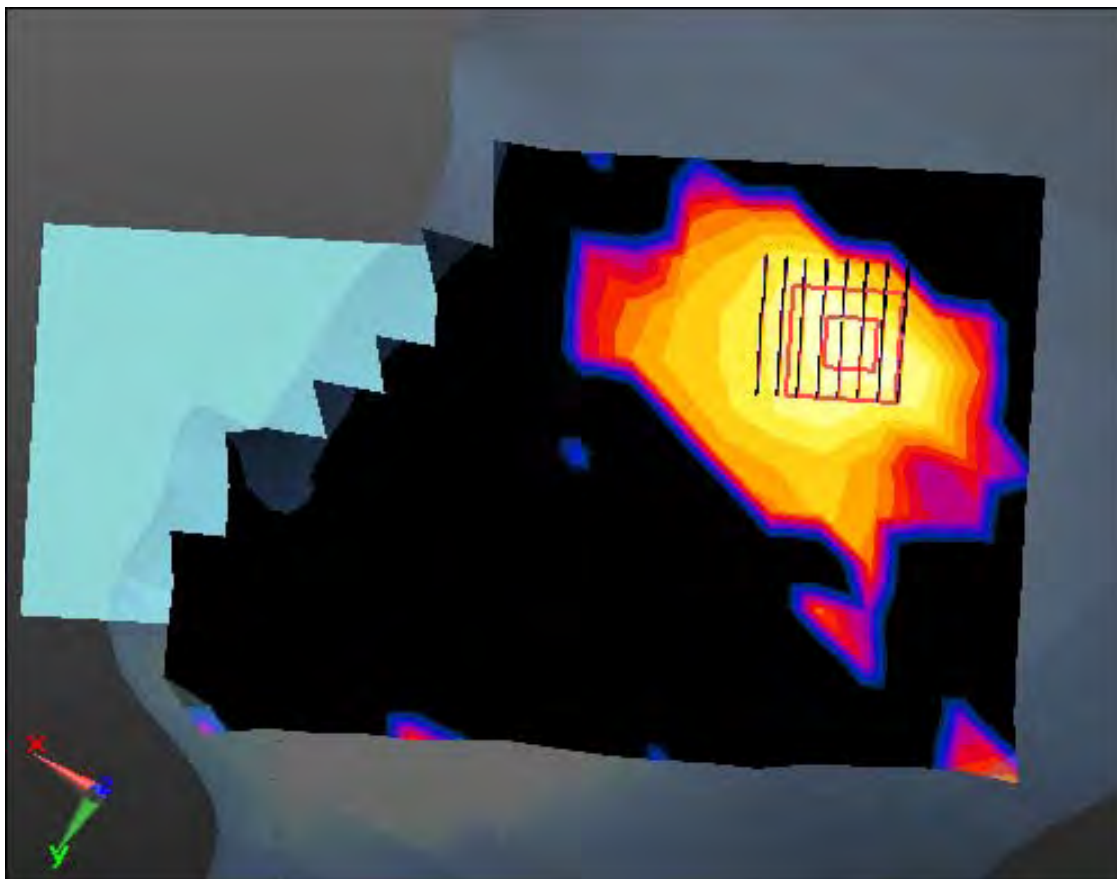
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.150 W/kg**



0 dB = 1.17 W/kg



Enlarge Plot for A20

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5720$  MHz;  $\sigma = 5.177$  S/m;  $\epsilon_r = 36.443$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.61, 4.61, 4.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-06; Ambient Temp: 20.3; Tissue Temp: 20.7

**Right Touch, W-LAN(802.11a) Ch. 144, Ant Internal, Standard Battery, MIMO**

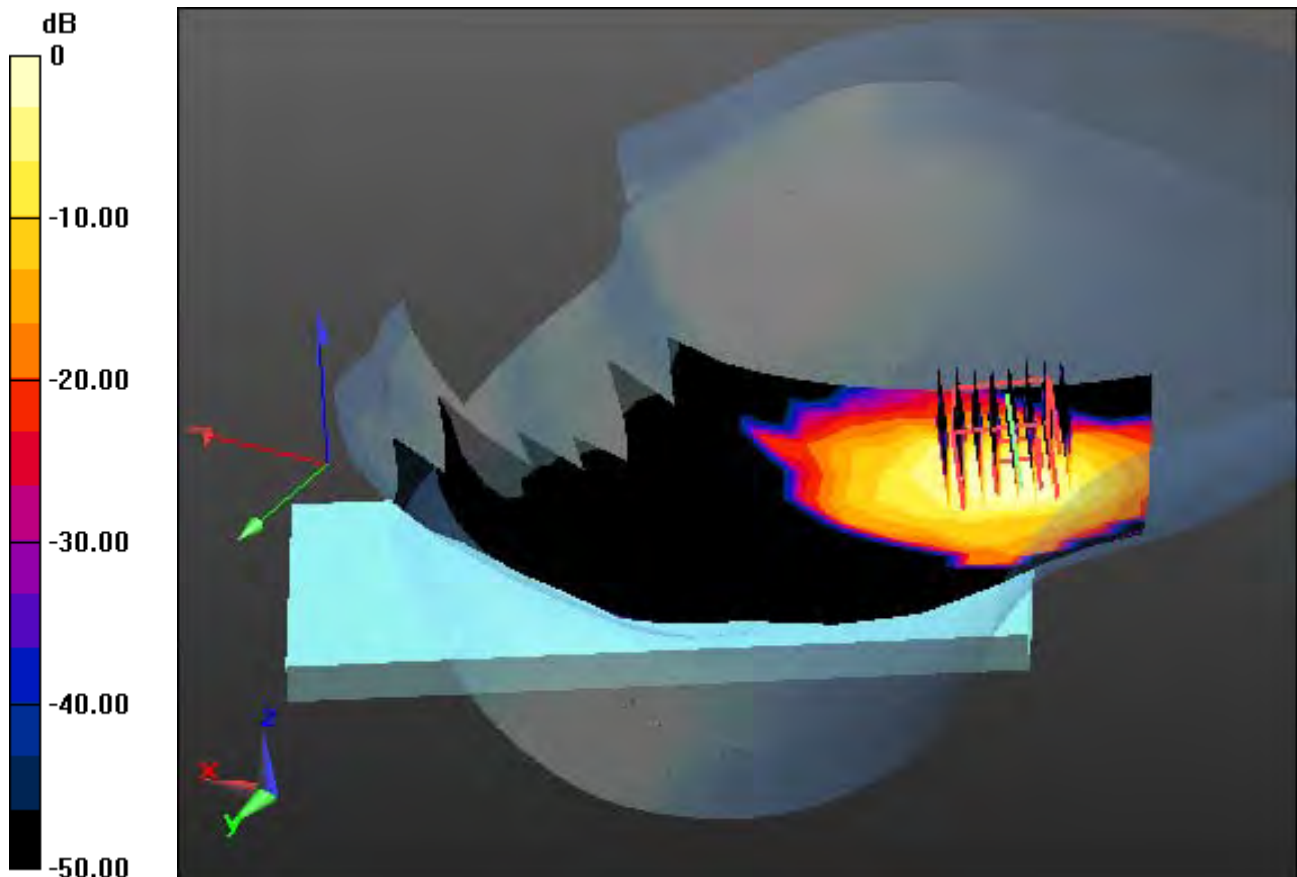
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

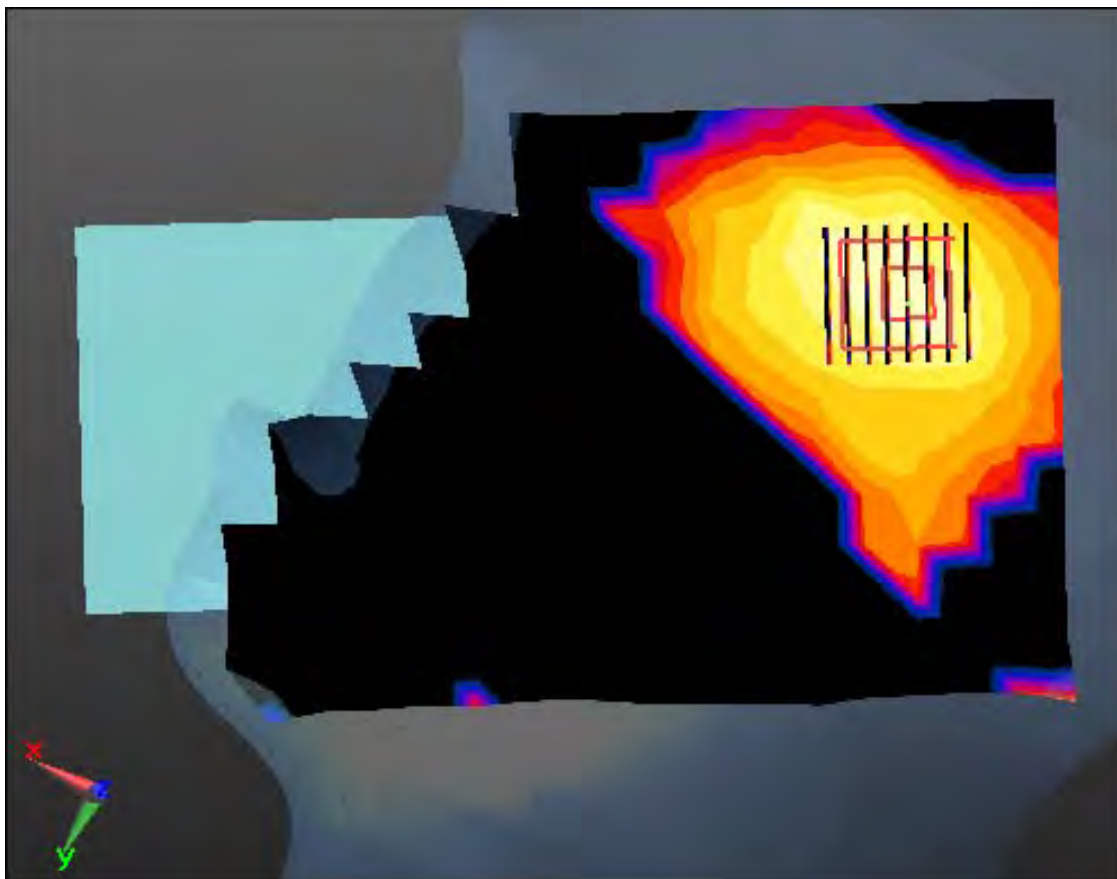
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.55 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.176 W/kg**



0 dB = 1.34 W/kg



Enlarge Plot for A21

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.105 \text{ S/m}$ ;  $\epsilon_r = 35.818$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.61, 4.61, 4.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-05; Ambient Temp: 20.0; Tissue Temp: 20.2

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

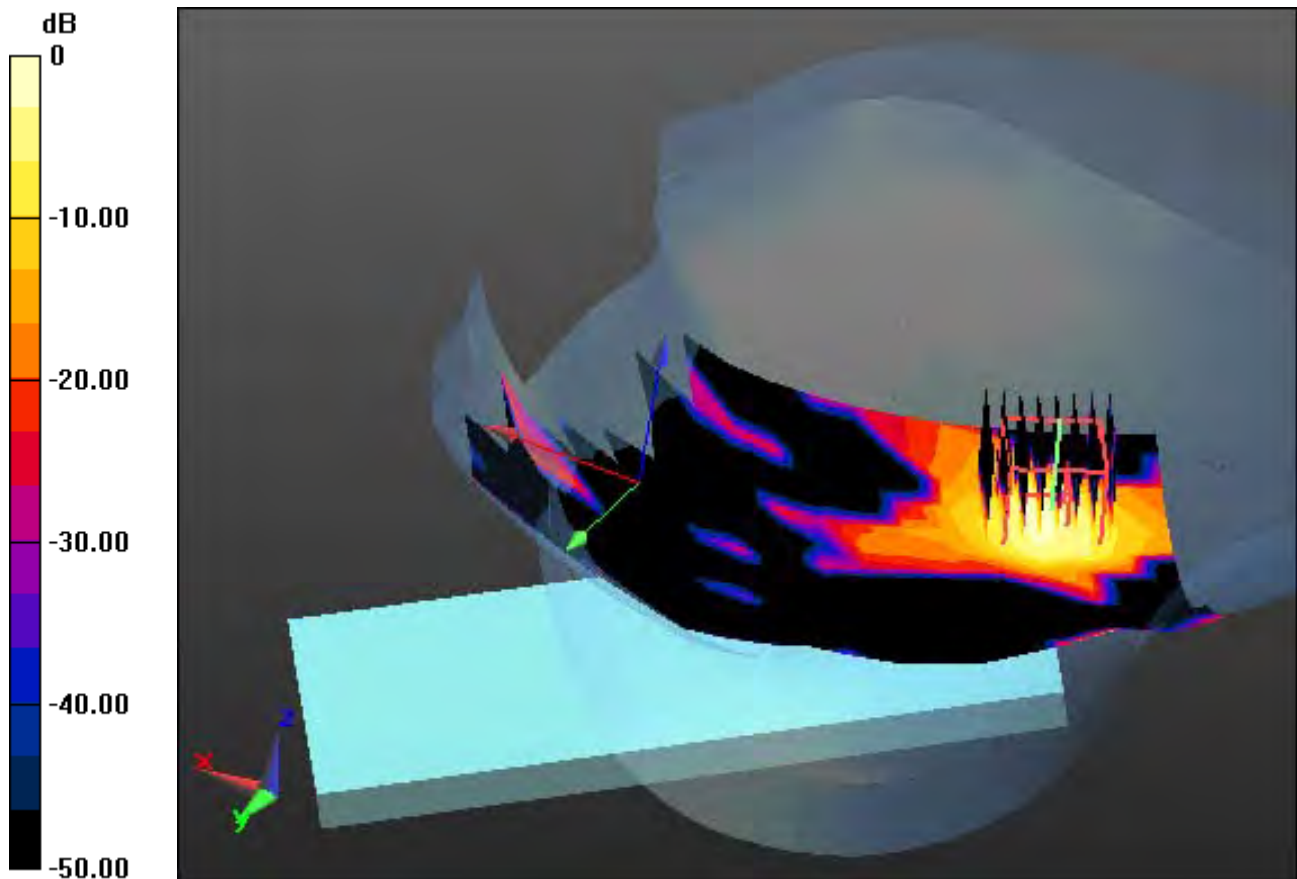
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

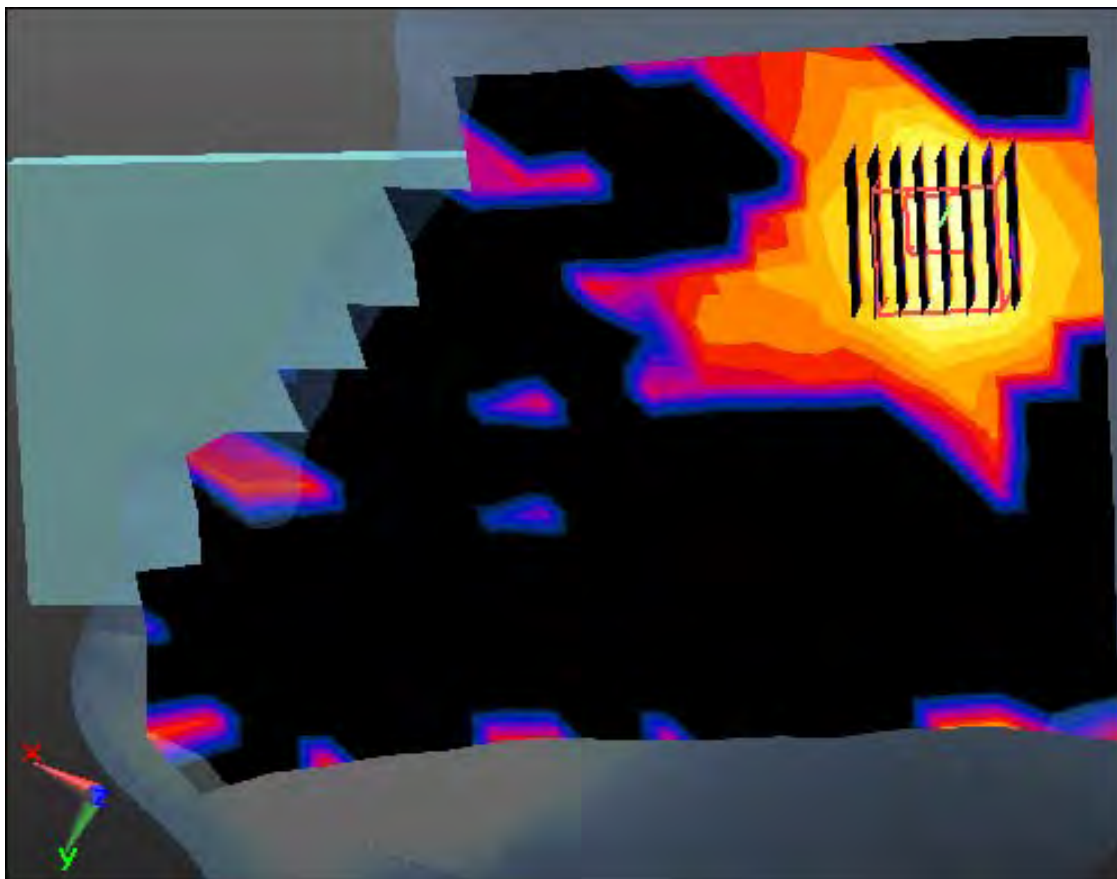
Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.066 W/kg**



0 dB = 0.703 W/kg



Enlarge Plot for A22

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.199 \text{ S/m}$ ;  $\epsilon_r = 35.688$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.61, 4.61, 4.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-05; Ambient Temp: 20.0; Tissue Temp: 20.2

**Right Touch, W-LAN(802.11a) Ch. 165, Ant Internal, Standard Battery, Ant. 2**

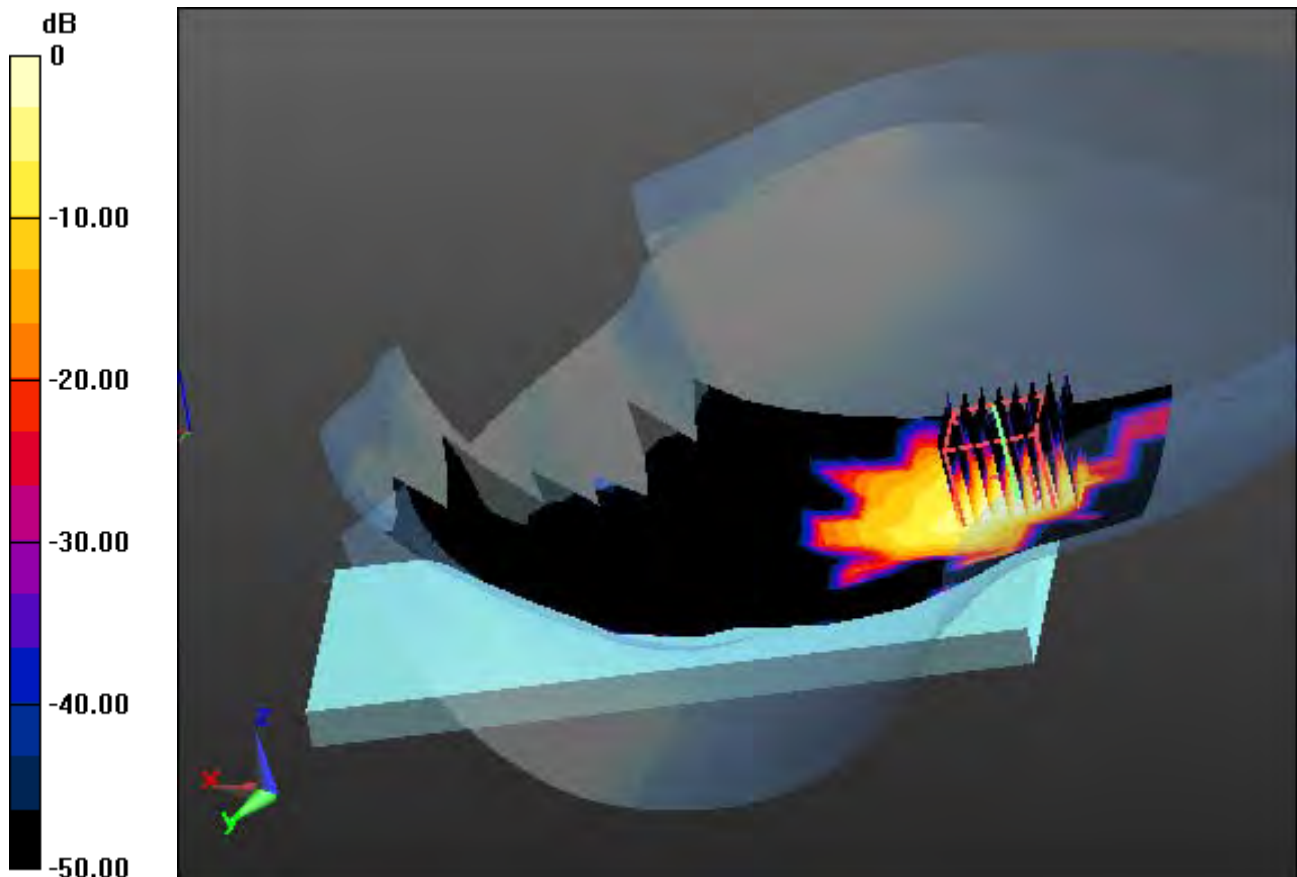
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

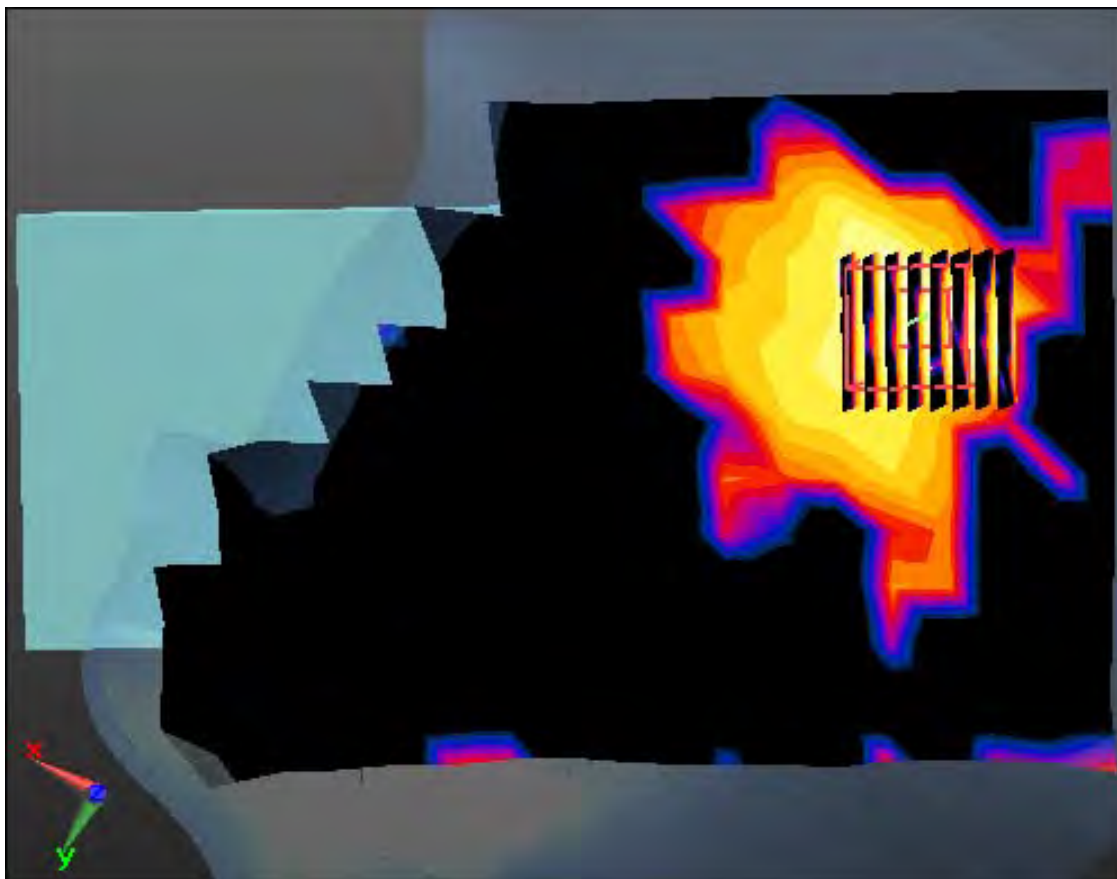
Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.131 W/kg**



0 dB = 1.04 W/kg



Enlarge Plot for A23

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.199 \text{ S/m}$ ;  $\epsilon_r = 35.688$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(4.61, 4.61, 4.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-05; Ambient Temp: 20.0; Tissue Temp: 20.2

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

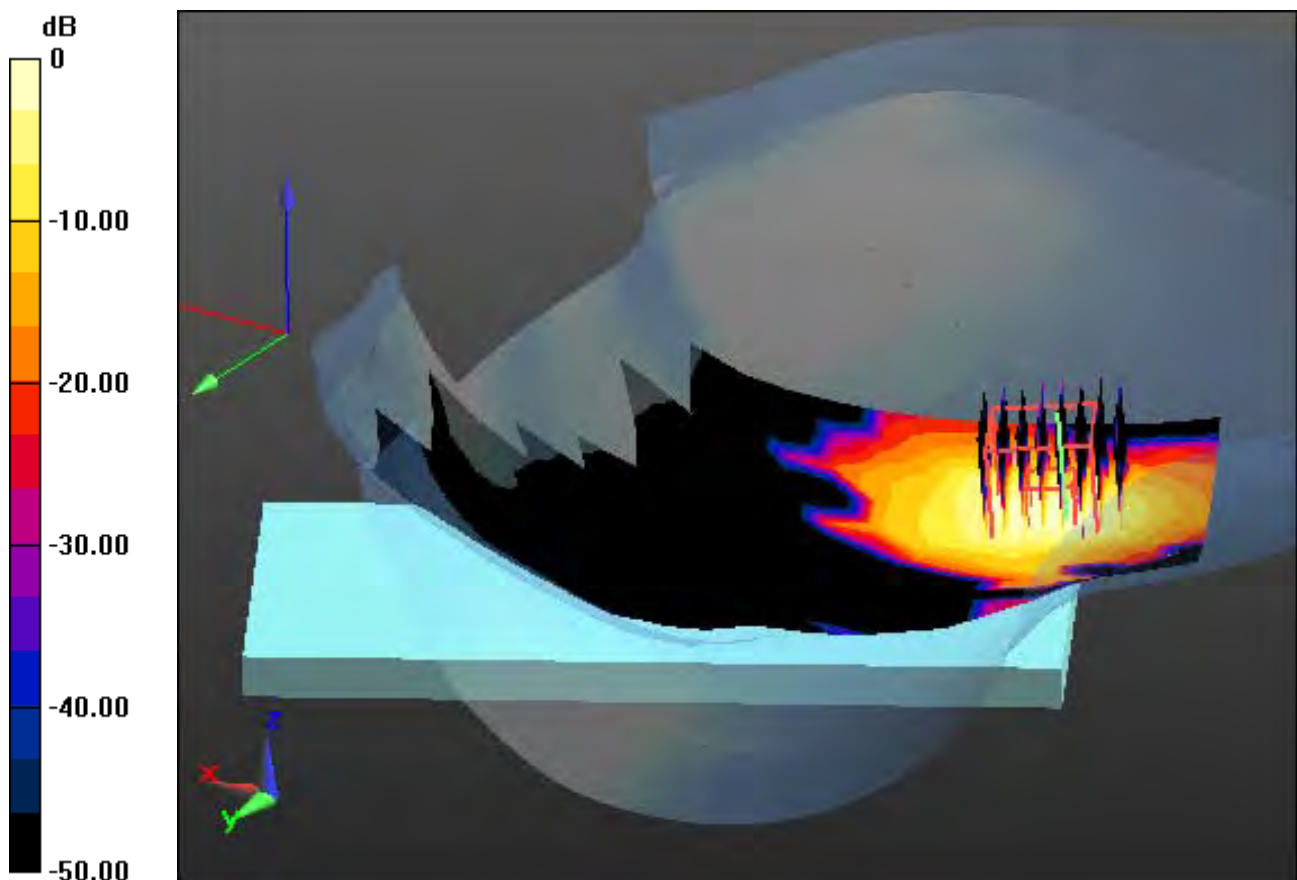
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

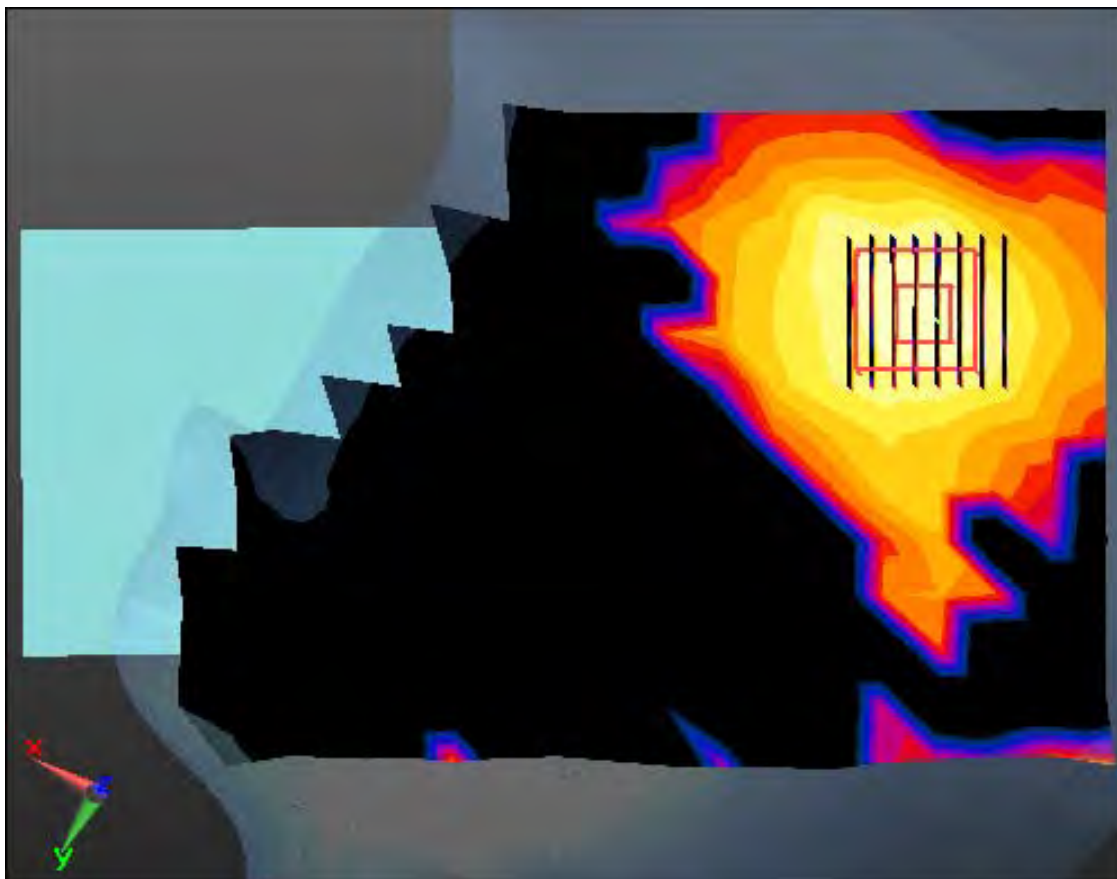
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.136 W/kg**



0 dB = 1.05 W/kg



Enlarge Plot for A24

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.824$  S/m;  $\epsilon_r = 40.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7368; ConvF(7.61, 7.61, 7.61); Calibrated: 8/27/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

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

Test Date: 2019-12-03; Ambient Temp: 20.1; Tissue Temp: 20.0

**Right Touch, Bluetooth 1Mbps Ch. 39, Ant Internal, Standard Battery**

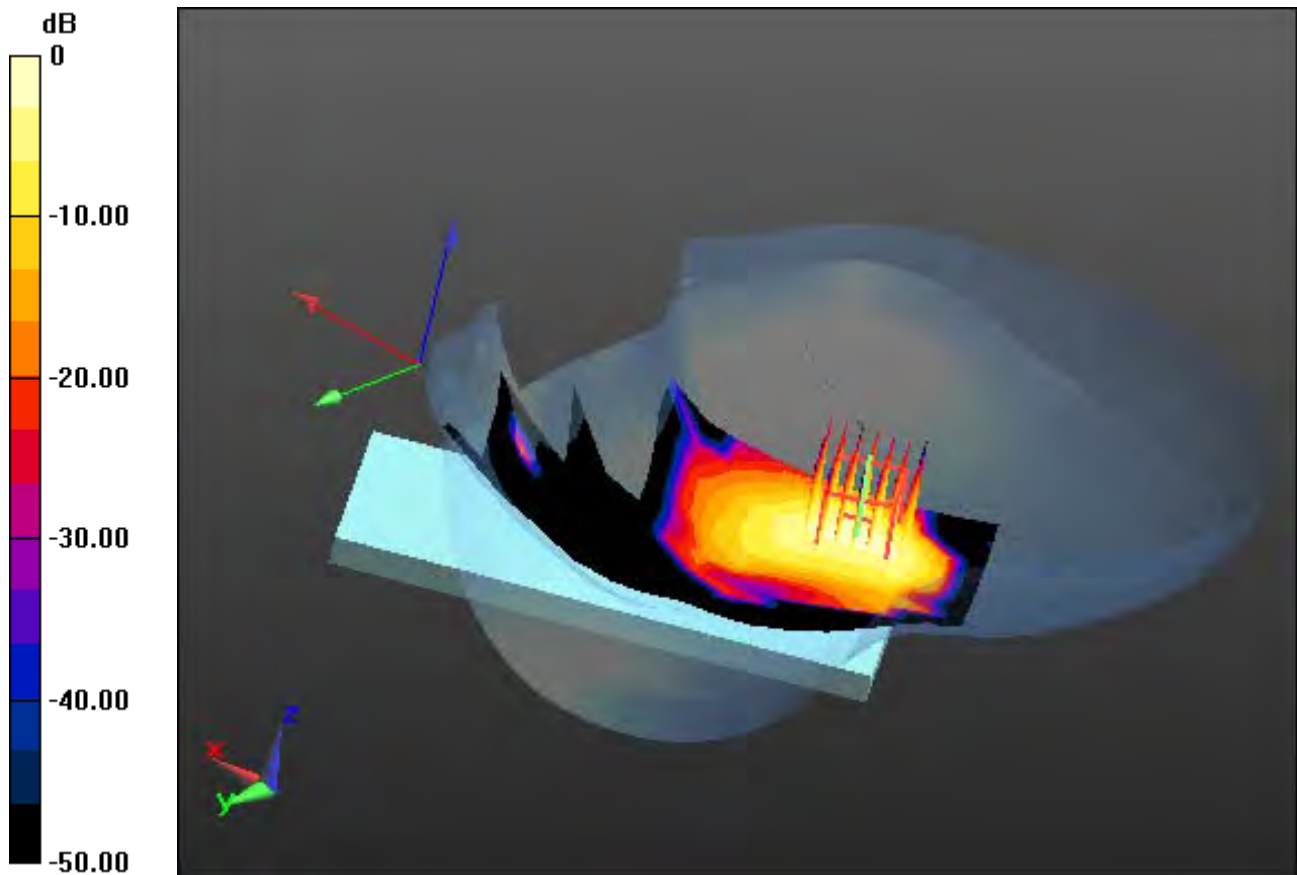
**Area Scan (11x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

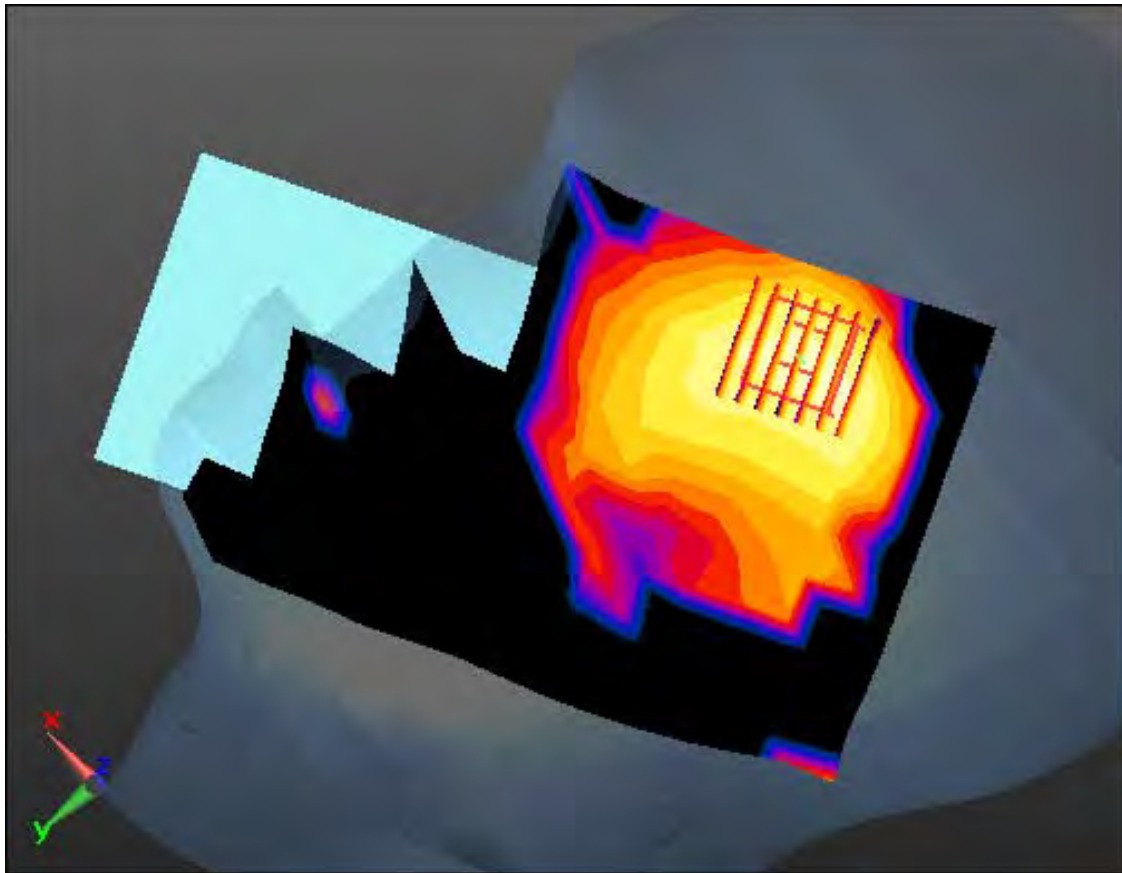
Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.426 W/kg

**SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.056 W/kg**



0 dB = 0.250 W/kg



Enlarge Plot for A25

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.961 \text{ S/m}$ ;  $\epsilon_r = 53.35$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.38, 6.38, 6.38); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-02; Ambient Temp: 20.8; Tissue Temp: 20.5

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

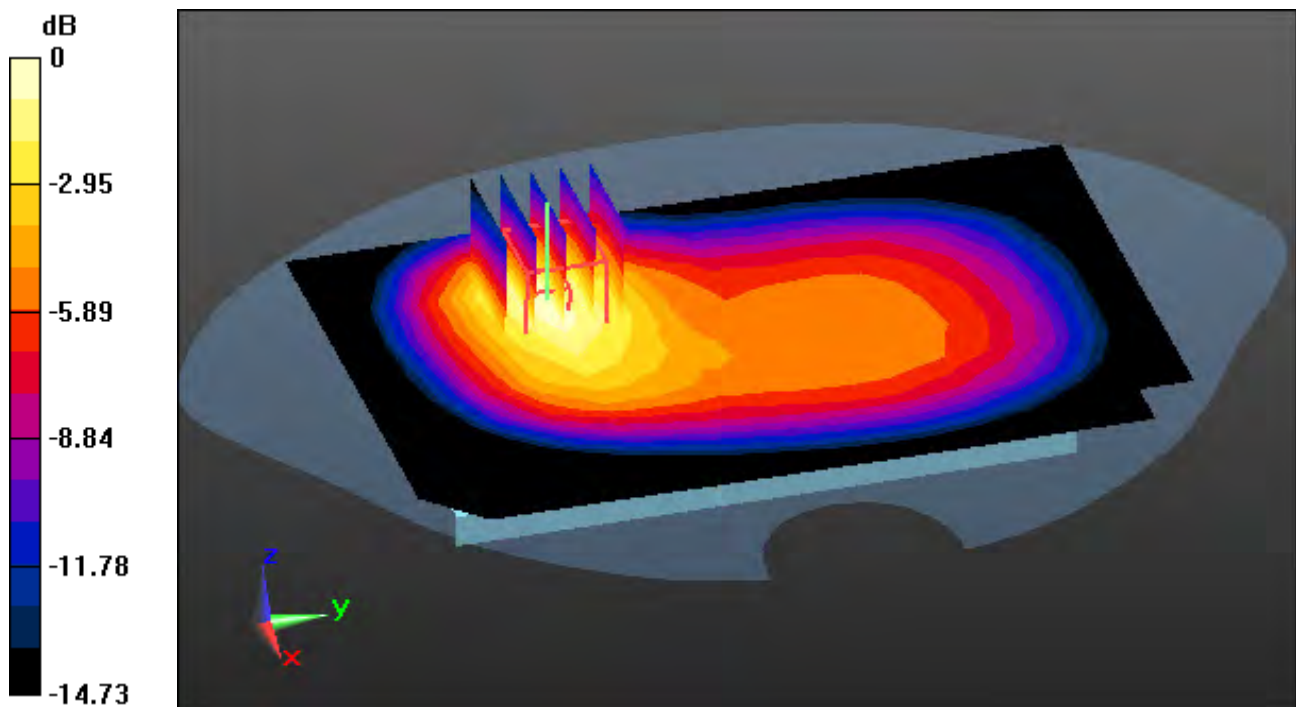
**Area Scan (10x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

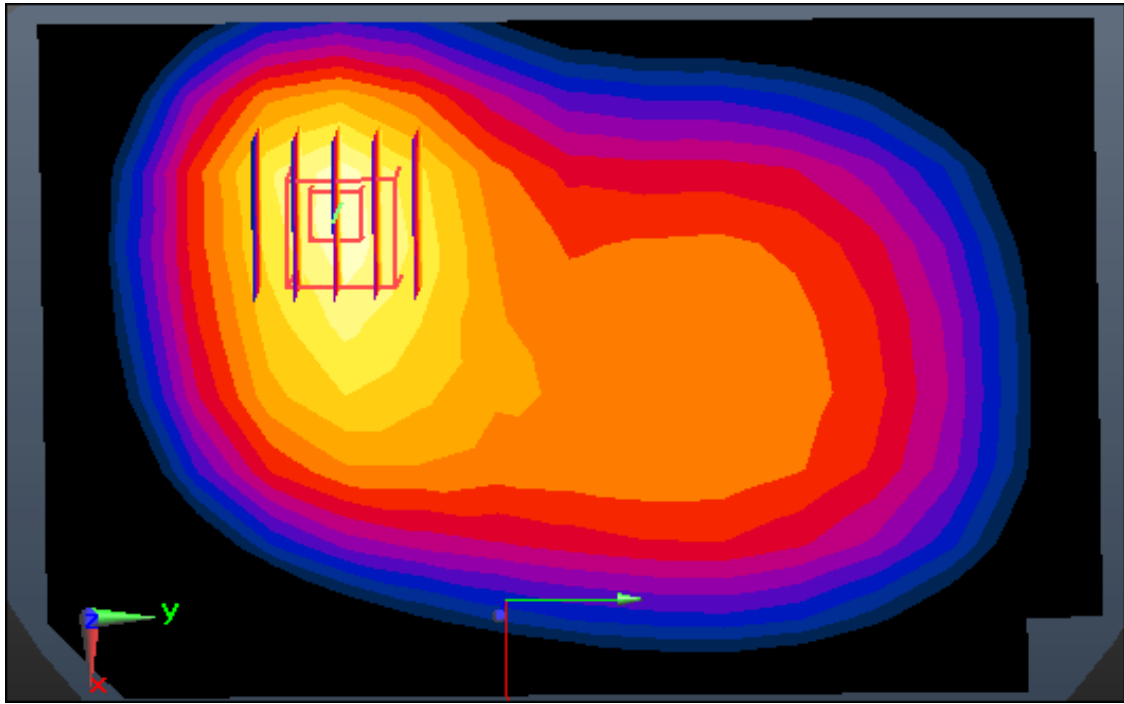
Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.366 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.141 W/kg**



0 dB = 0.271 W/kg



Enlarged Plot for A26

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, GSM 850\_2 Tx (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.961 \text{ S/m}$ ;  $\epsilon_r = 53.35$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.38, 6.38, 6.38); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-02; Ambient Temp: 20.8; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 2Tx Ch. 190, Ant Internal**

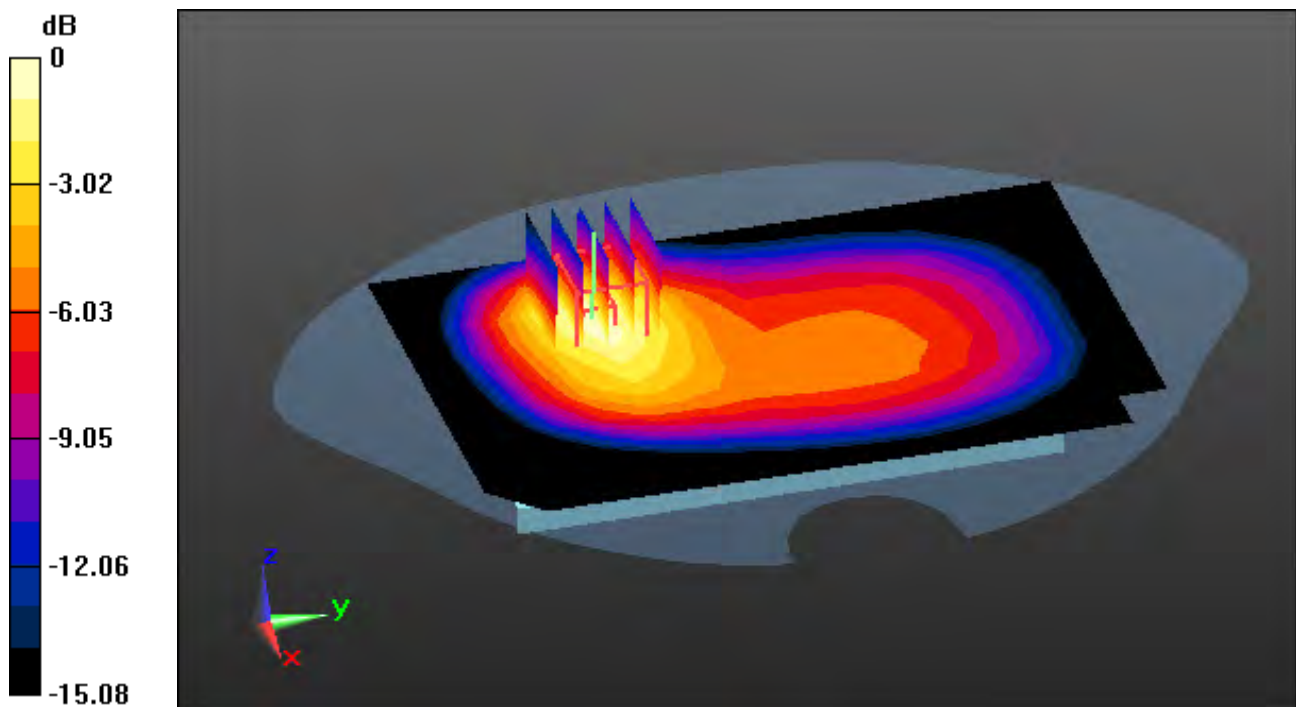
**Area Scan (10x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

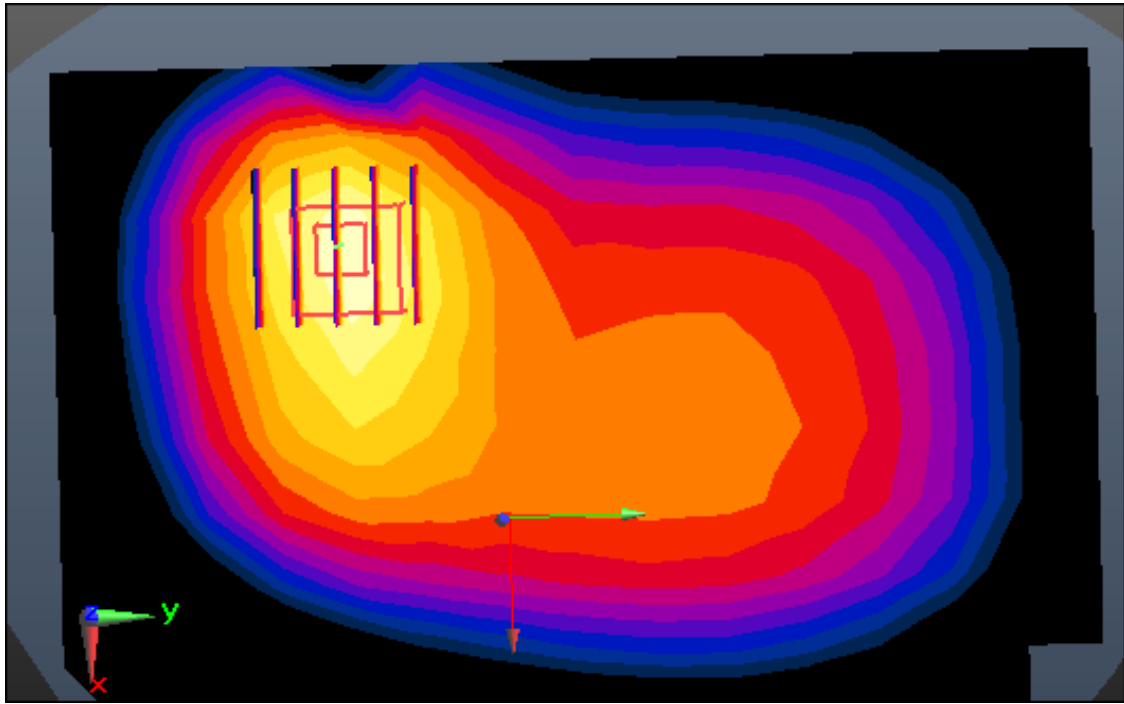
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.426 W/kg

**SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.162 W/kg**



0 dB = 0.315 W/kg



Enlarged Plot for A27

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

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

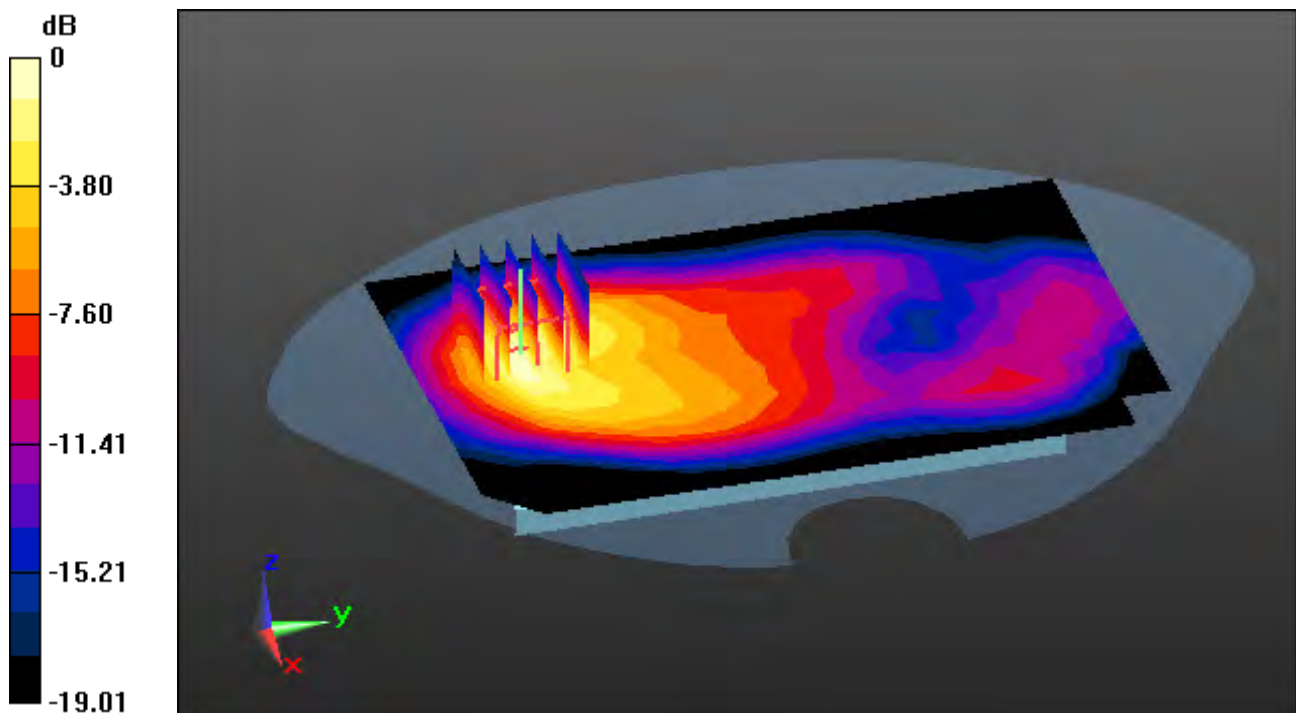
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

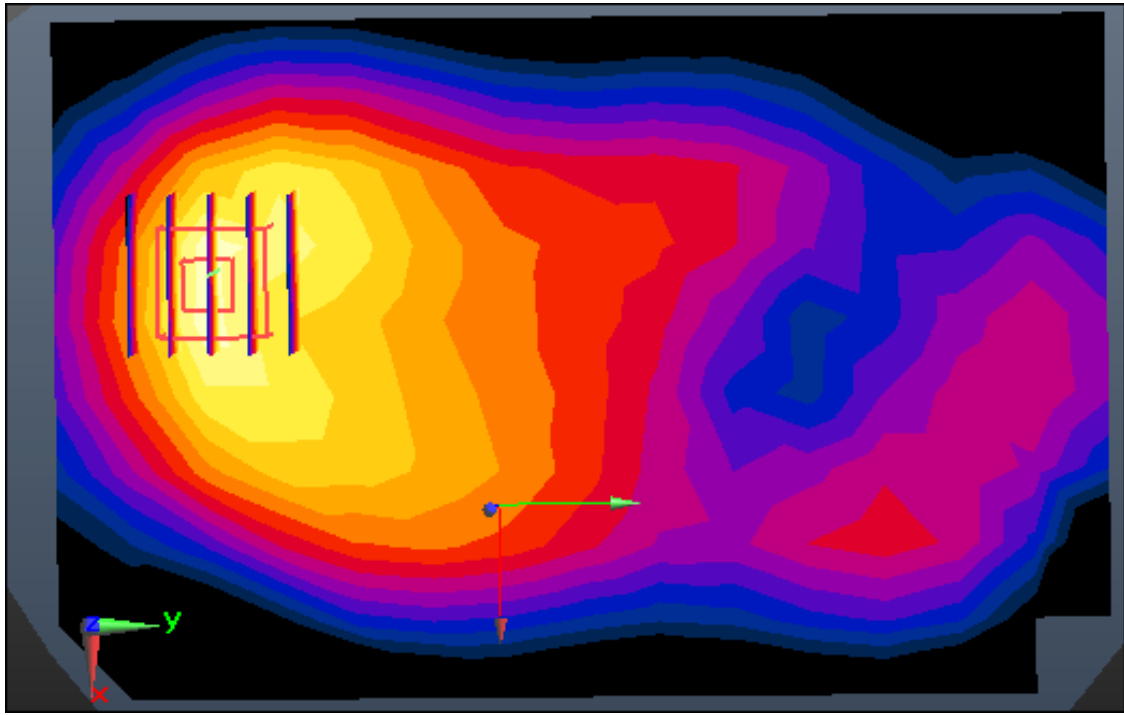
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.586 W/kg

**SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.179 W/kg**



0 dB = 0.421 W/kg



Enlarged Plot for A28

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, PCS1900\_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

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

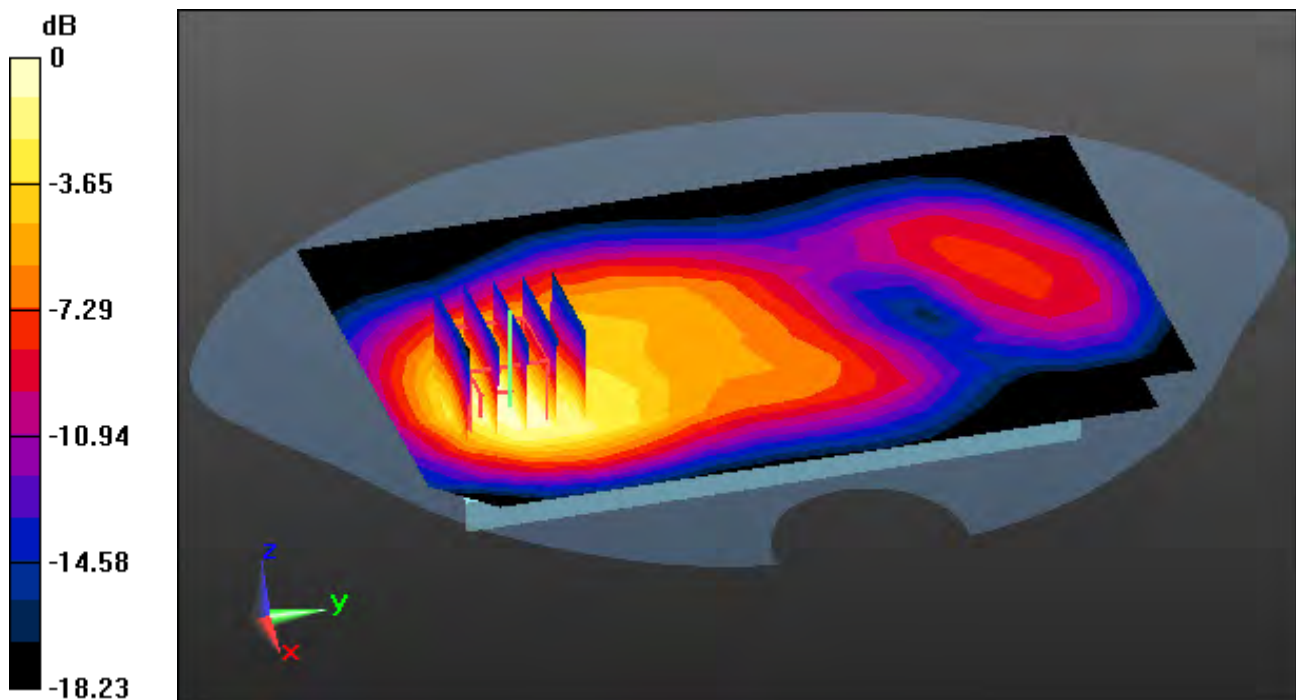
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

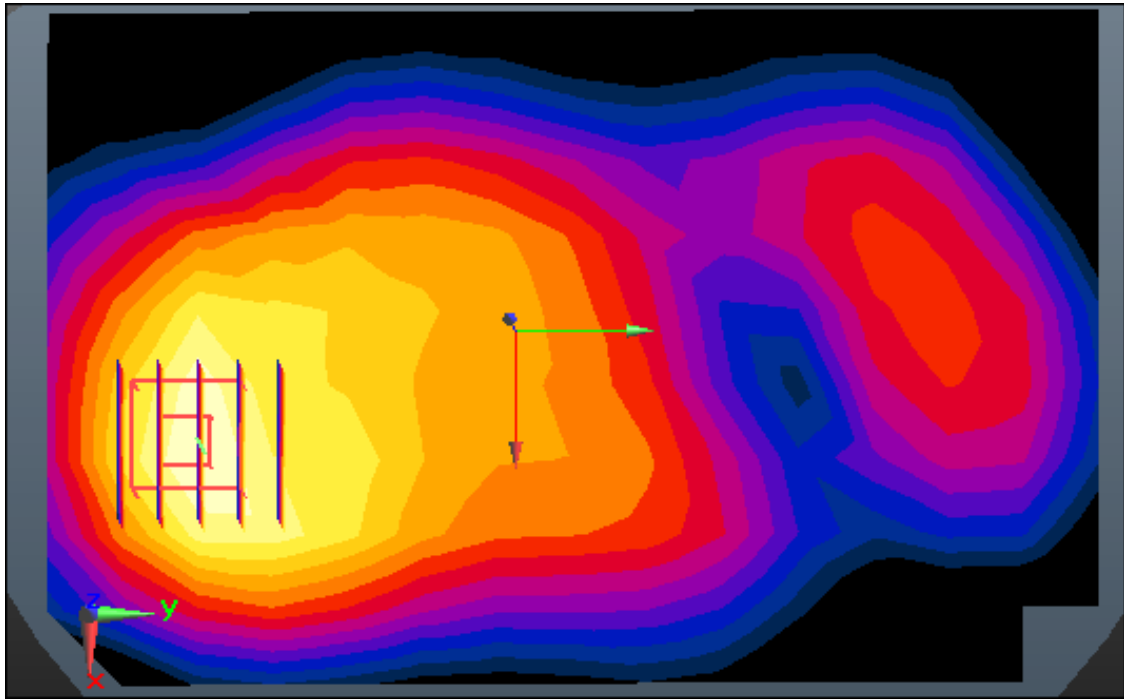
Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.681 W/kg

**SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.212 W/kg**



0 dB = 0.457 W/kg



Enlarged Plot for A29

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.961$  S/m;  $\epsilon_r = 53.35$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.38, 6.38, 6.38); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-02; Ambient Temp: 20.8; Tissue Temp: 20.5

**1 cm space from Body, Front, WCDMA Band 5 Ch. 4183, Ant Internal**

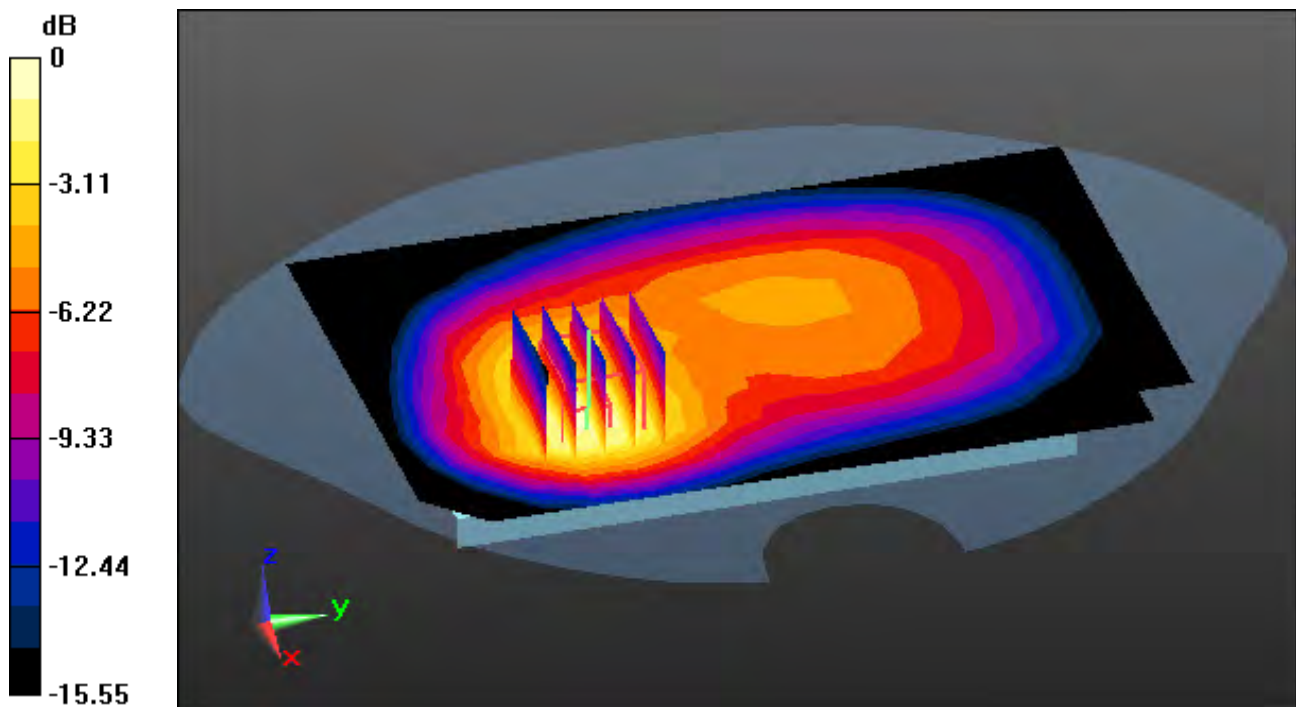
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

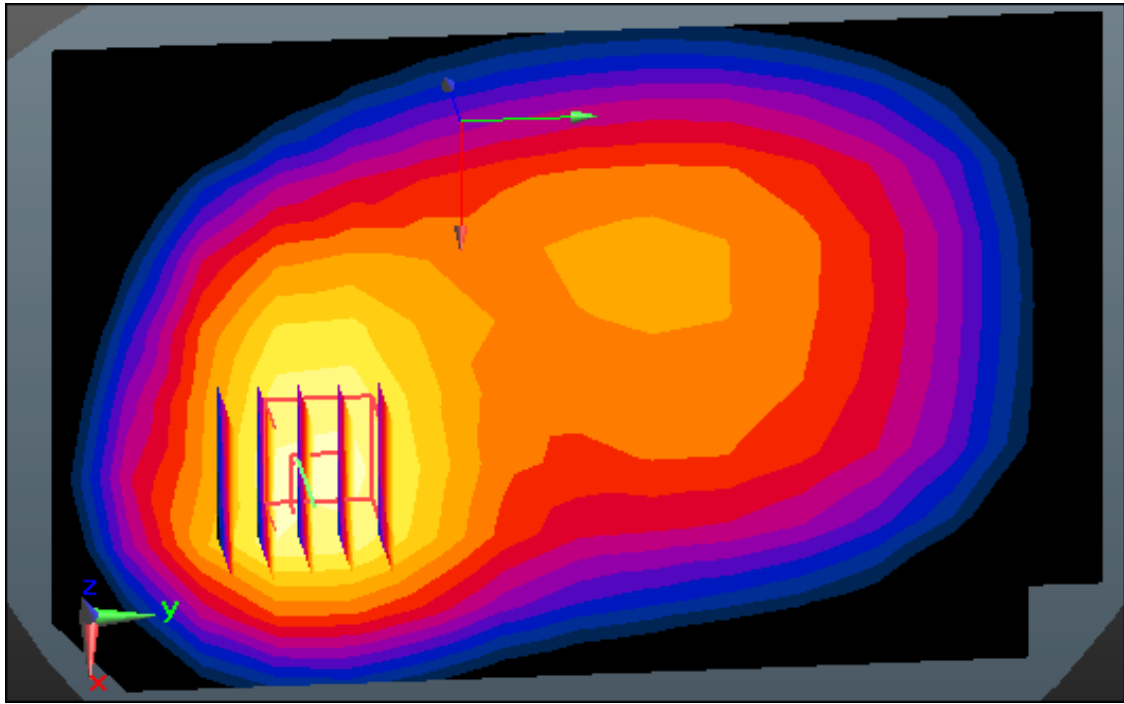
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.344 W/kg

**SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.134 W/kg**



0 dB = 0.256 W/kg



Enlarged Plot for A30

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, WCDMA Band 4 (FCC) (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.516$  S/m;  $\epsilon_r = 52.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-04; Ambient Temp: 21.1; Tissue Temp: 21.2

**1 cm space from Body, Rear, WCDMA1700 Ch. 1412, Ant Internal**

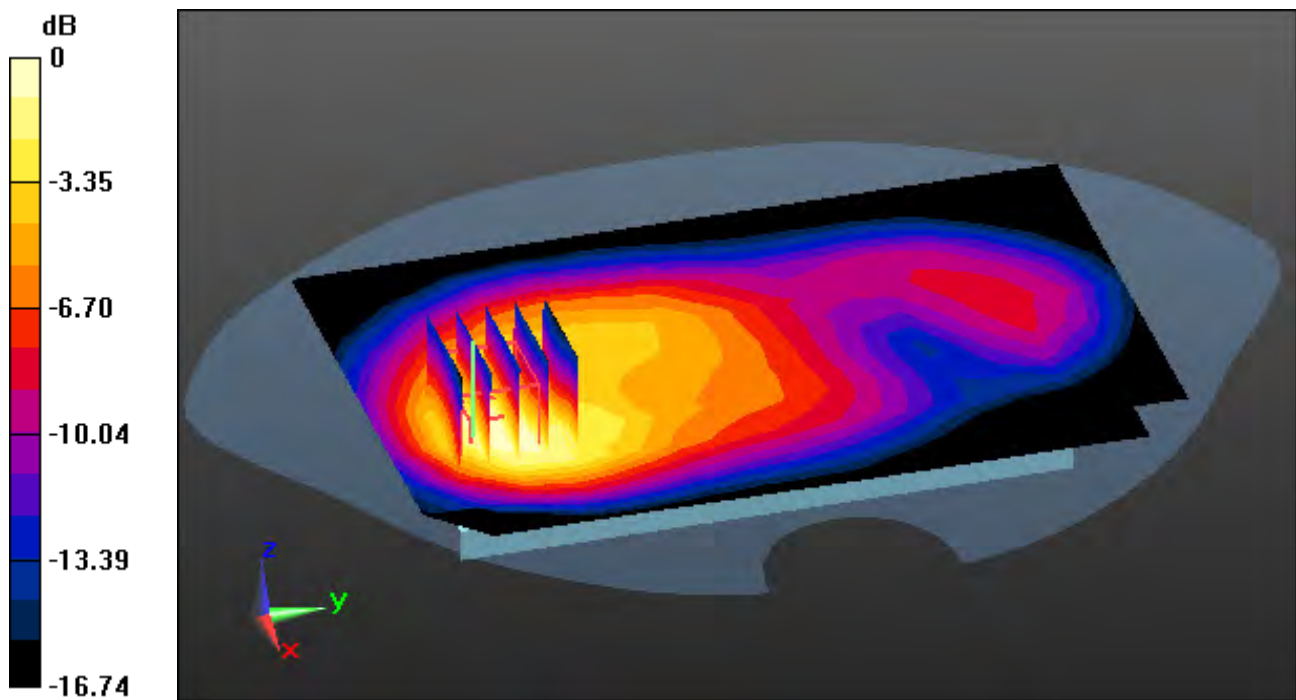
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

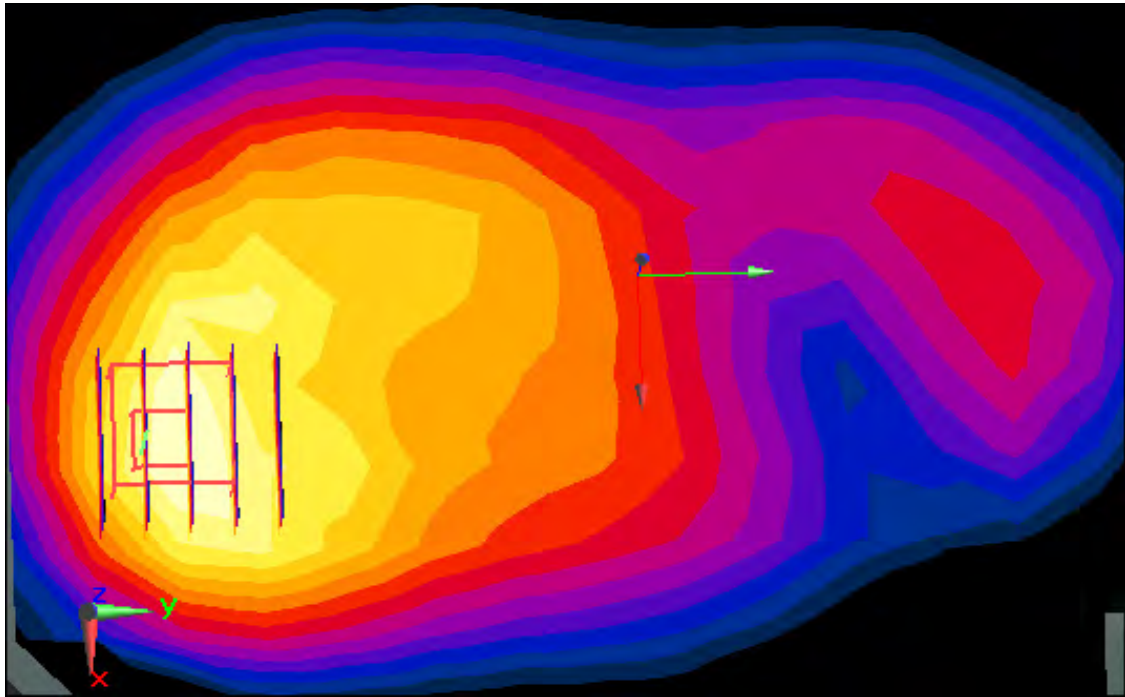
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.489 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.159 W/kg**



0 dB = 0.327 W/kg



Enlarged Plot for A31

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

**1 cm space from Body, Front, WCDMA1900 Ch. 9400, Ant Internal**

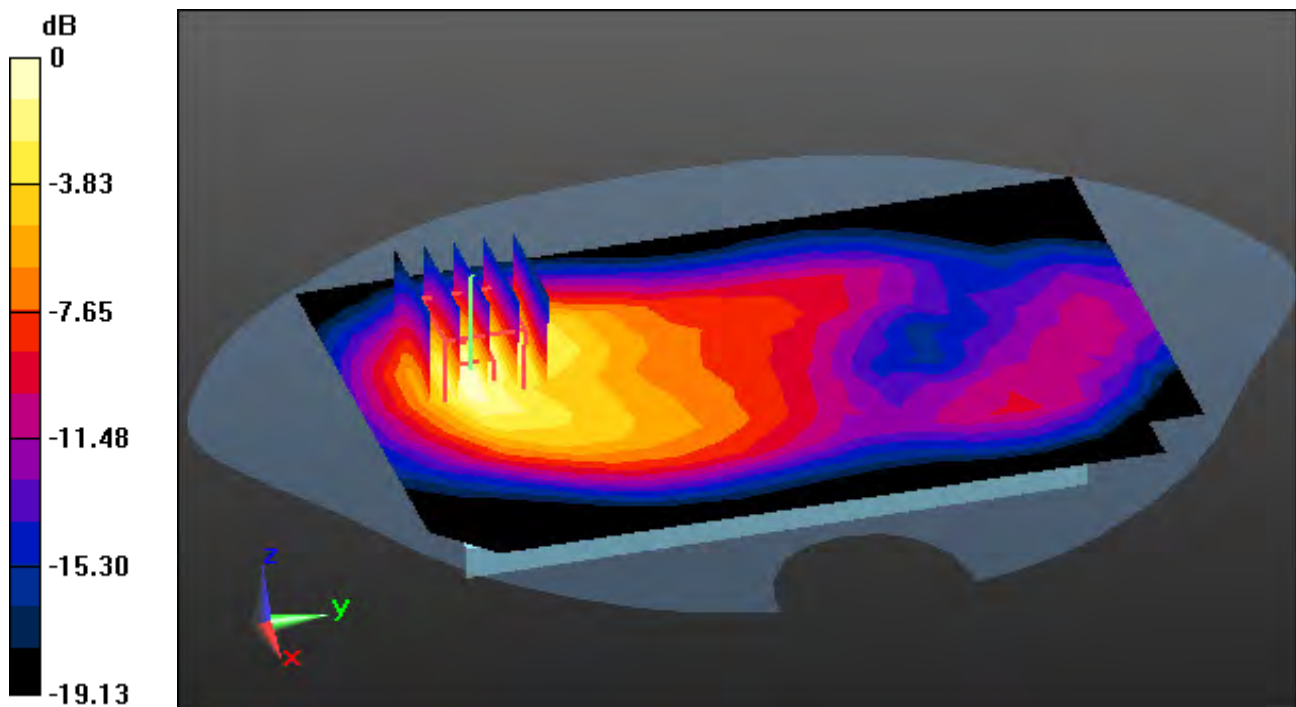
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

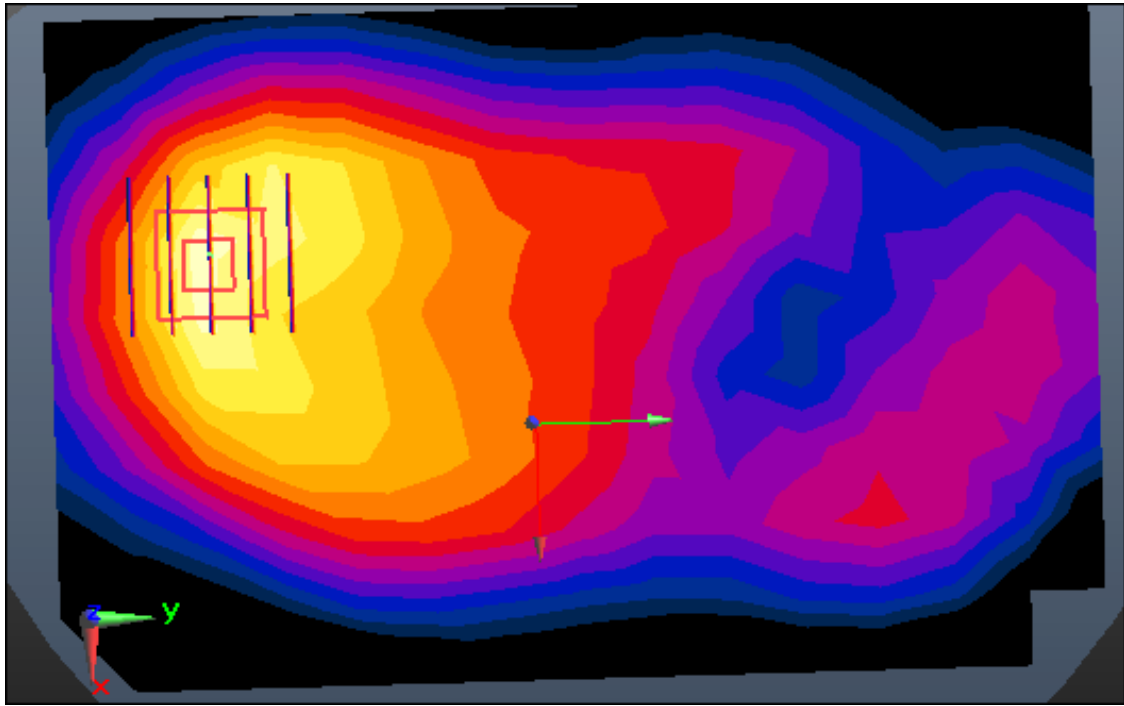
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.705 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.209 W/kg**



0 dB = 0.505 W/kg



Enlarged Plot for A32

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 56.309$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-05; Ambient Temp: 21.1; Tissue Temp: 20.9

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

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

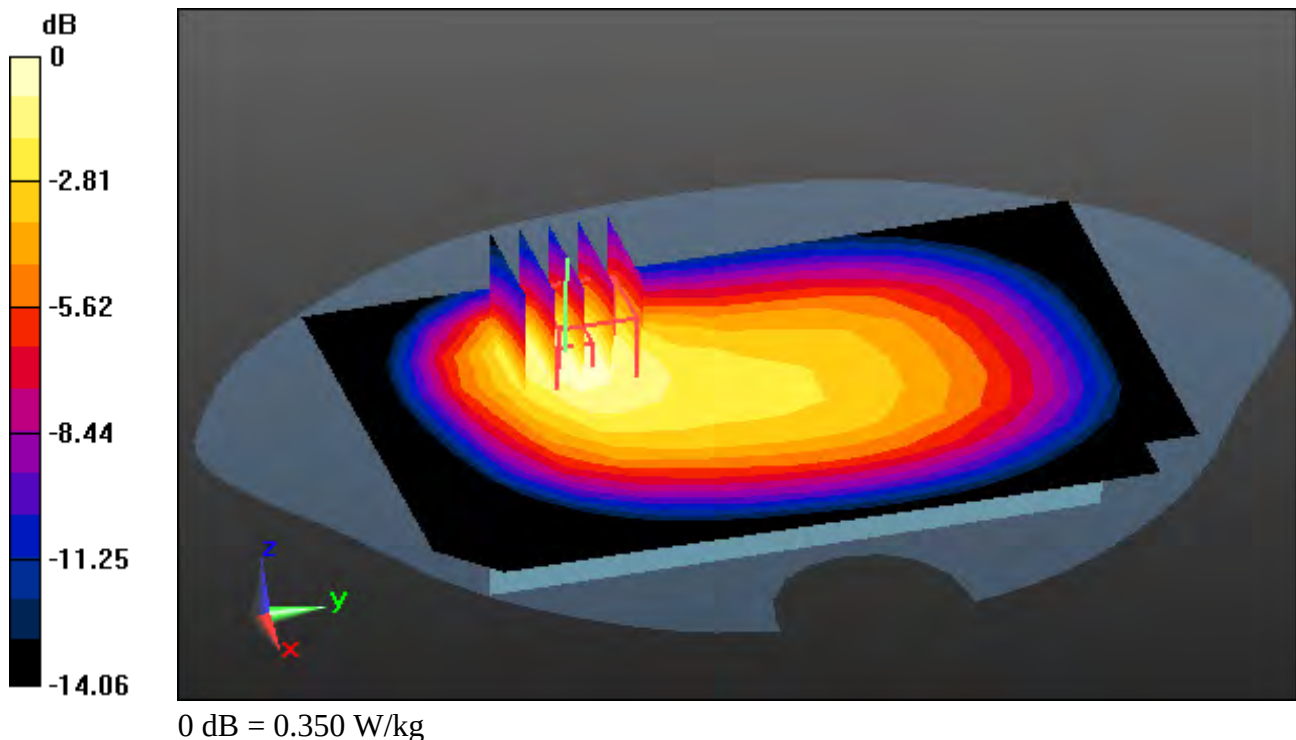
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

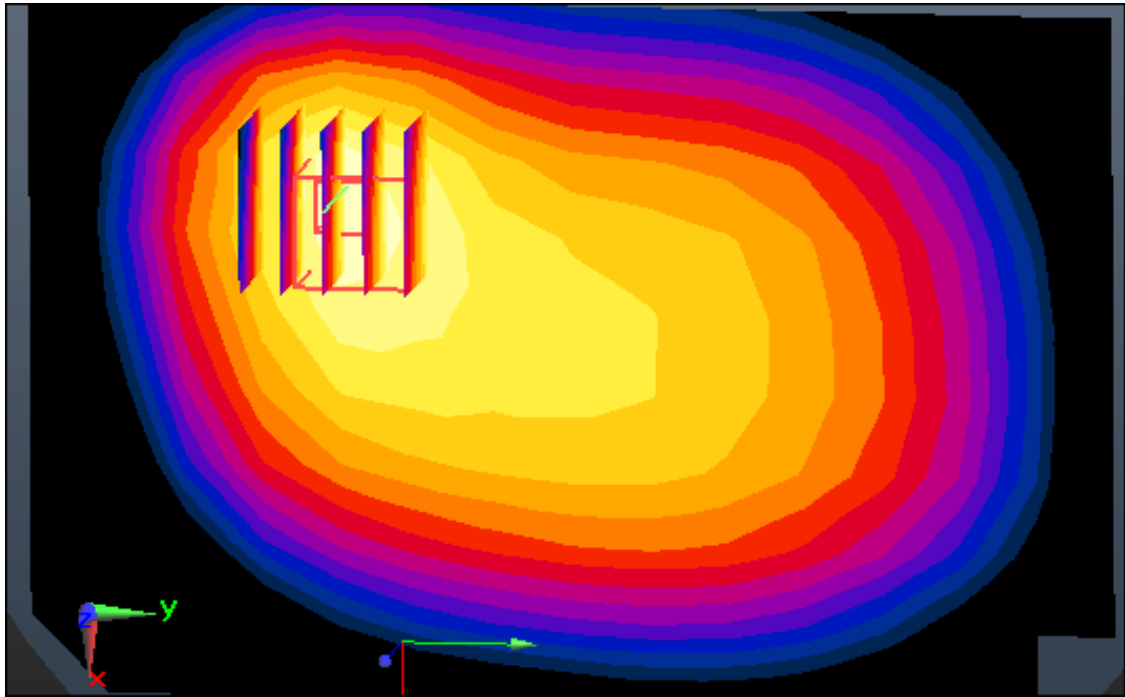
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.457 W/kg

**SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.201 W/kg**





Enlarged Plot for A33

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1.003 \text{ S/m}$ ;  $\epsilon_r = 54.79$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-06; Ambient Temp: 20.1; Tissue Temp: 20.3

**1 cm space from Body, Rear, LTE Band 13 Ch. 23230, Ant Internal**

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

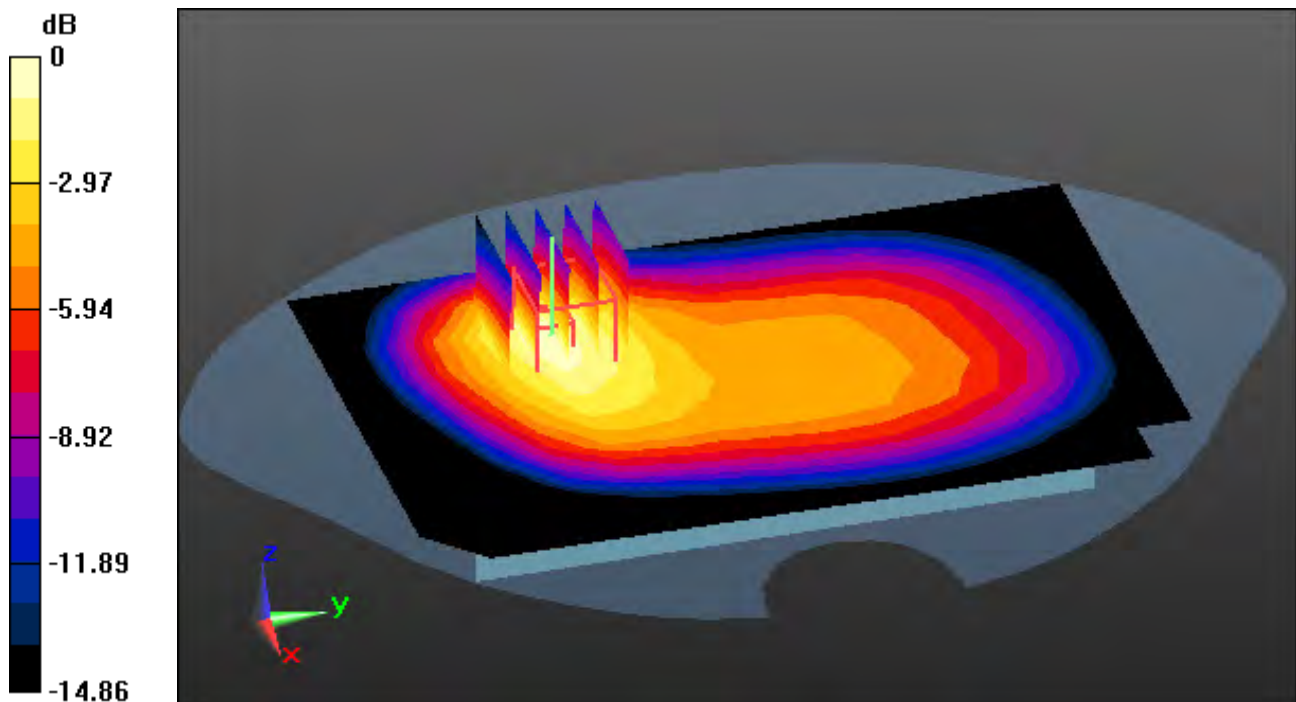
**Area Scan (10x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

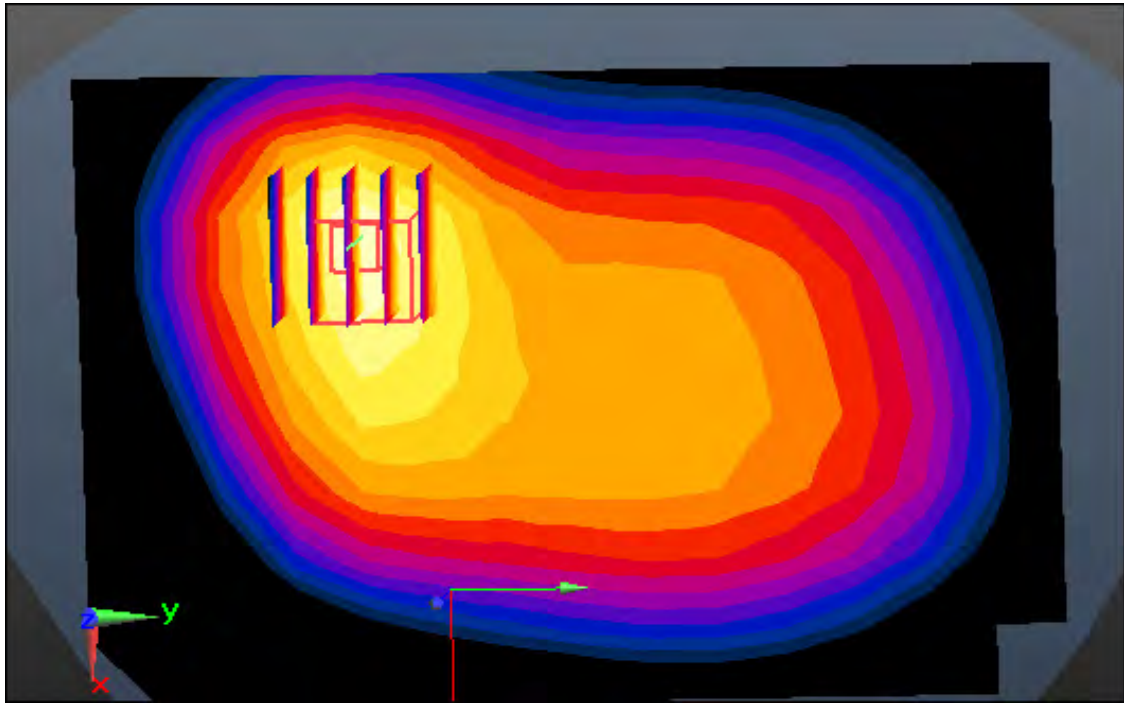
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.543 W/kg

**SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.214 W/kg**





Enlarged Plot for A34

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.961$  S/m;  $\epsilon = 53.35$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.38, 6.38, 6.38); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-02; Ambient Temp: 20.8; Tissue Temp: 20.5

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

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

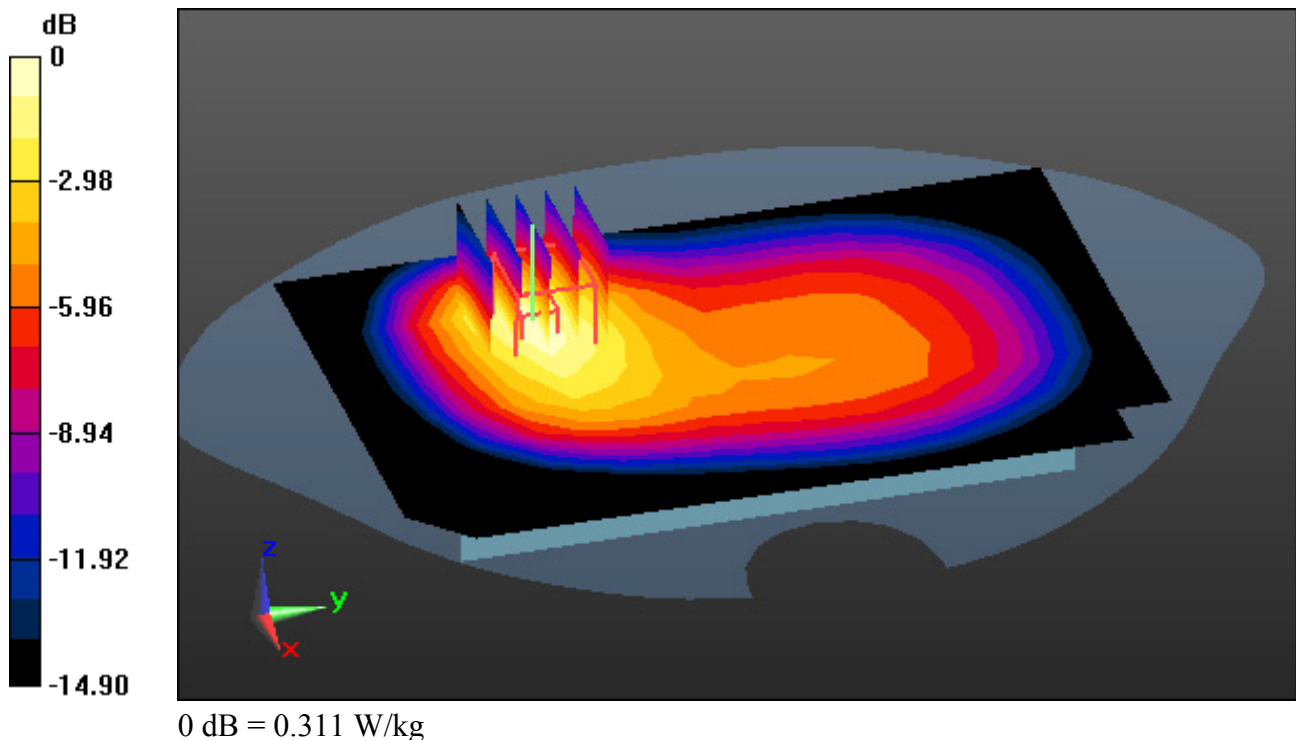
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

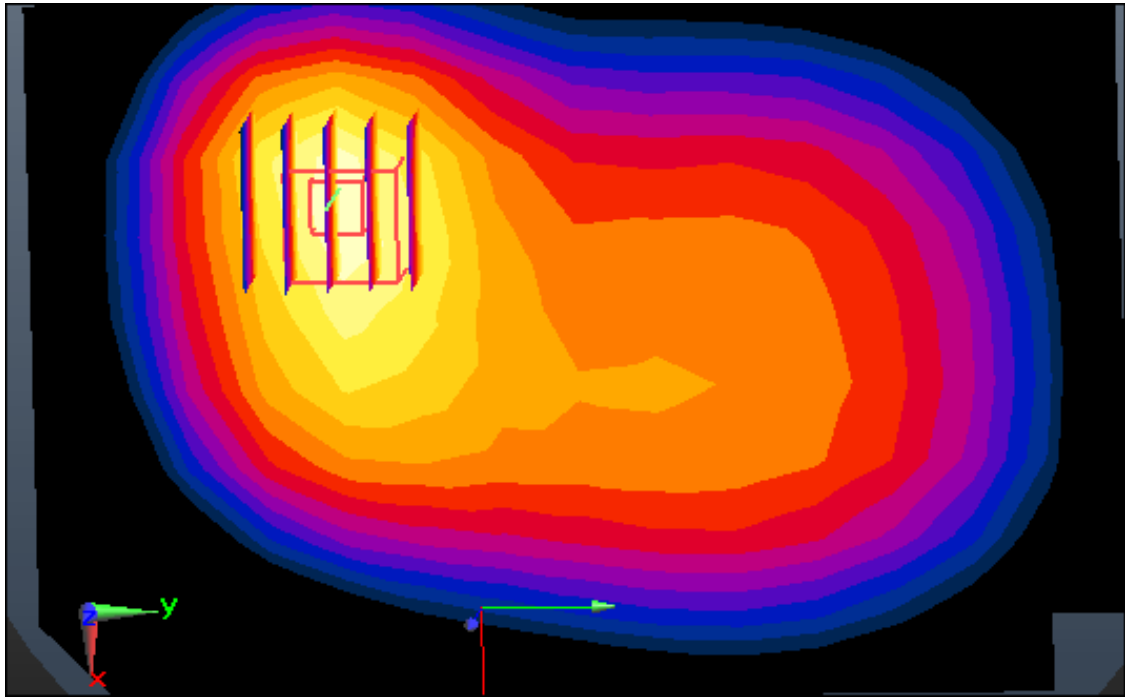
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.414 W/kg

**SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.158 W/kg**





Enlarged Plot for A35

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.516$  S/m;  $\epsilon_r = 52.402$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-04; Ambient Temp: 21.1; Tissue Temp: 21.2

**1 cm space from Body, Rear, LTE Band 4 Ch. 20175, Ant Internal**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

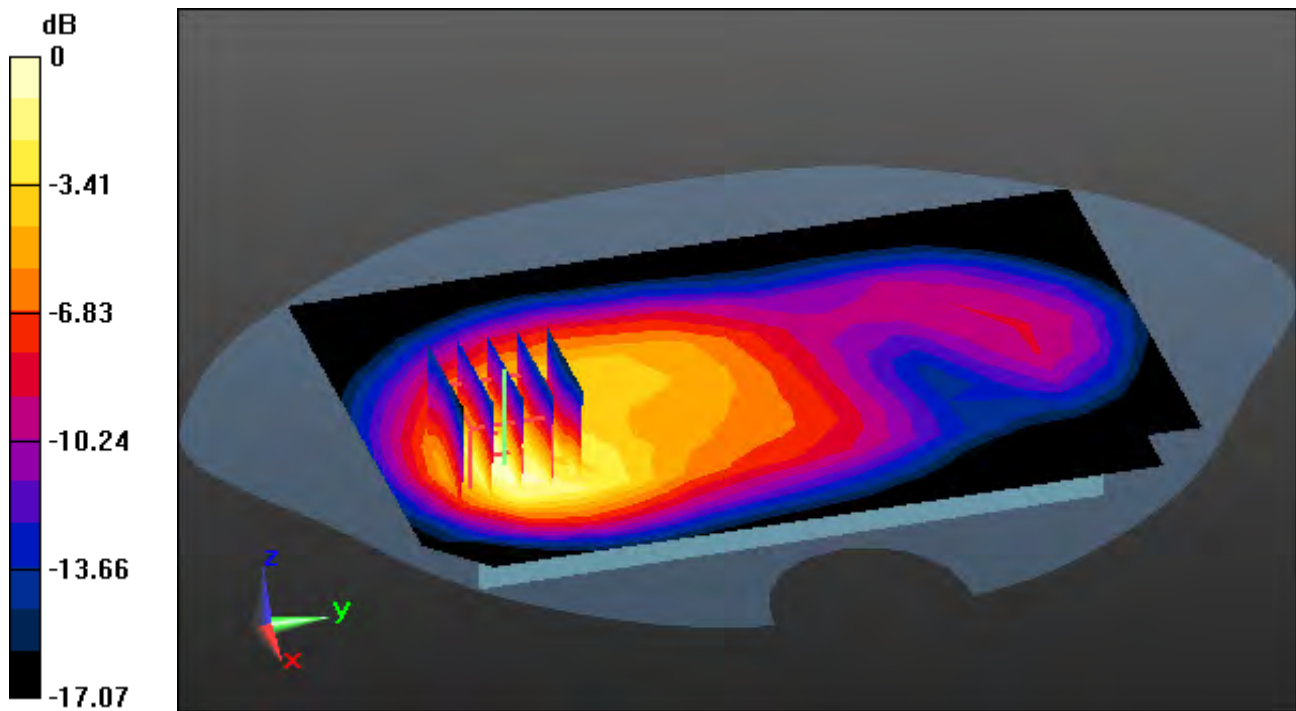
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

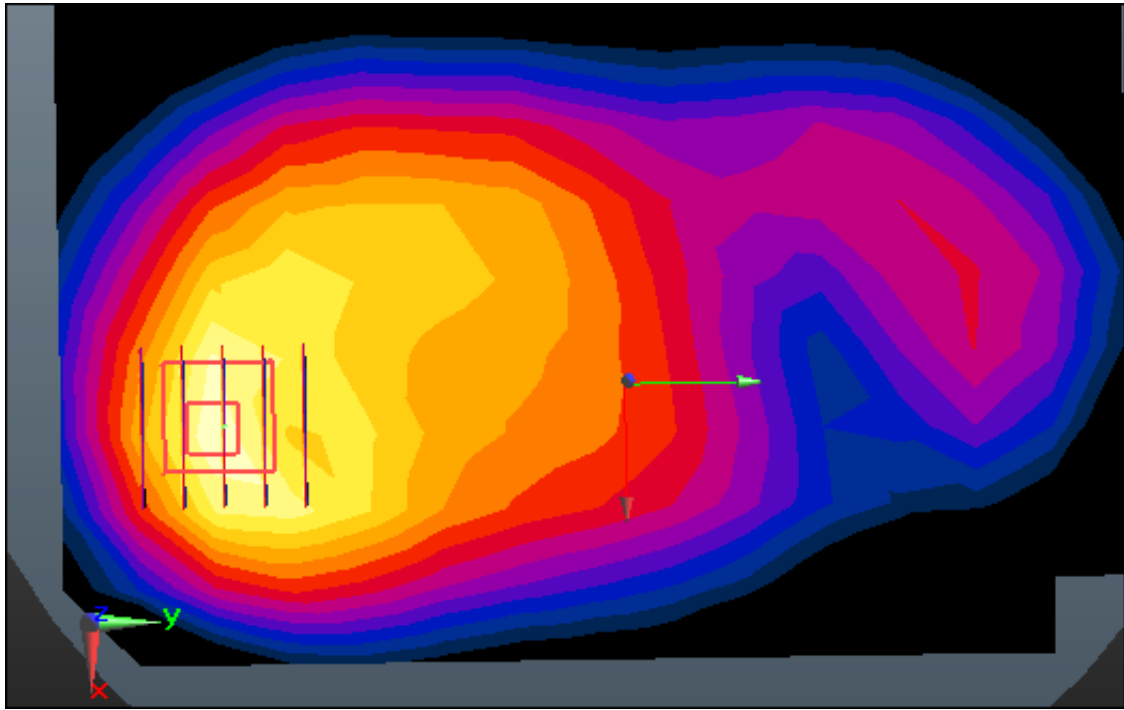
Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.166 W/kg**



0 dB = 0.371 W/kg



Enlarged Plot for A36

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

**1 cm space From Body, Rear, LTE Band 2 Ch. 18900, Ant Internal**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

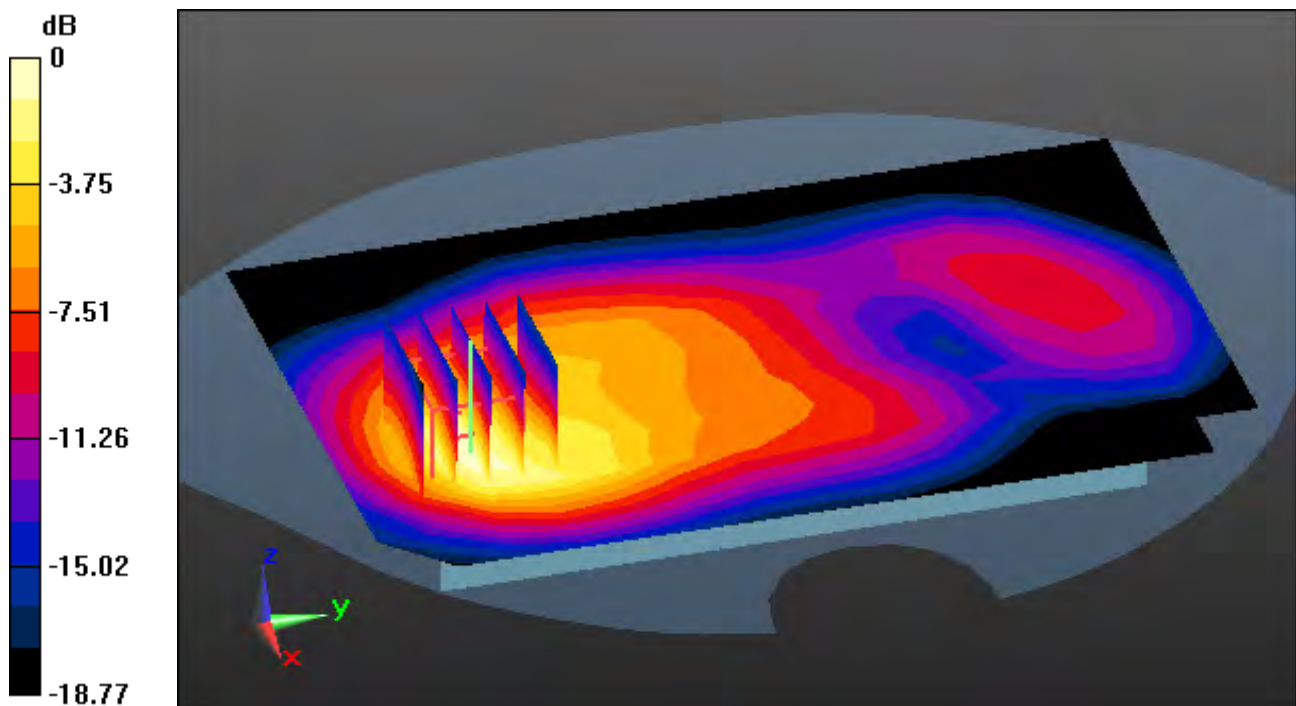
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

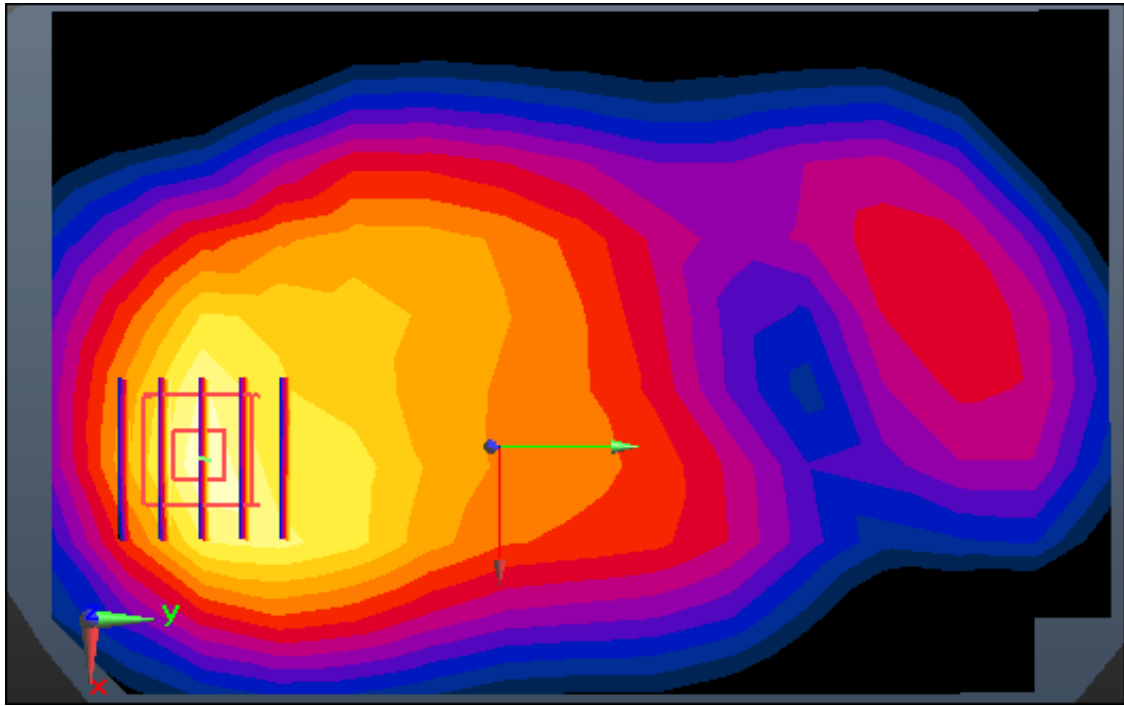
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.647 W/kg

**SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.202 W/kg**





Enlarged Plot for A37

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.922 \text{ S/m}$ ;  $\epsilon_r = 51.127$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

**1 cm space from Body, Front, WLAN(802.11b) Ch. 11, Ant Internal, Ant.1**

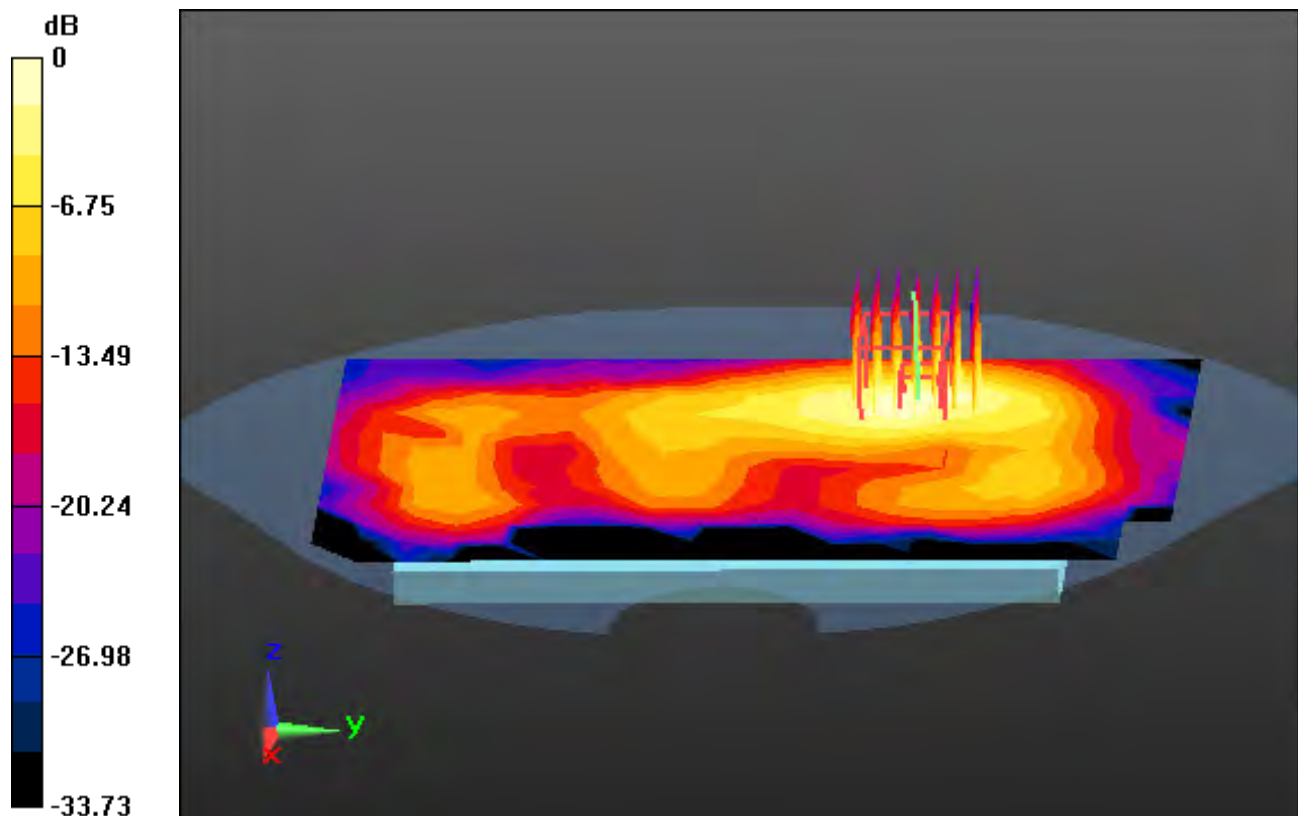
**Area Scan (12x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

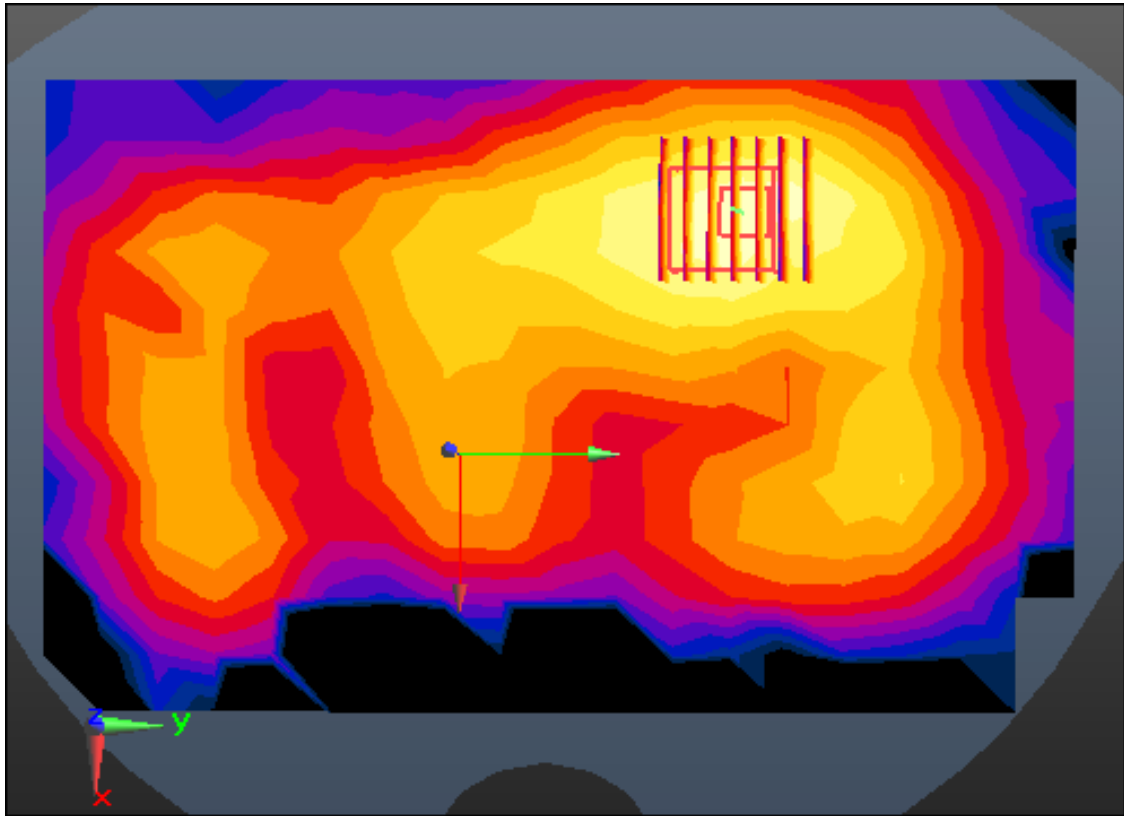
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.216 W/kg

**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.052 W/kg**



0 dB = 0.162 W/kg



Enlarged Plot for A38

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.864 \text{ S/m}$ ;  $\epsilon_r = 51.225$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

**1 cm space from Body, Front, WLAN(802.11b) Ch. 1, Ant Internal, Ant.2**

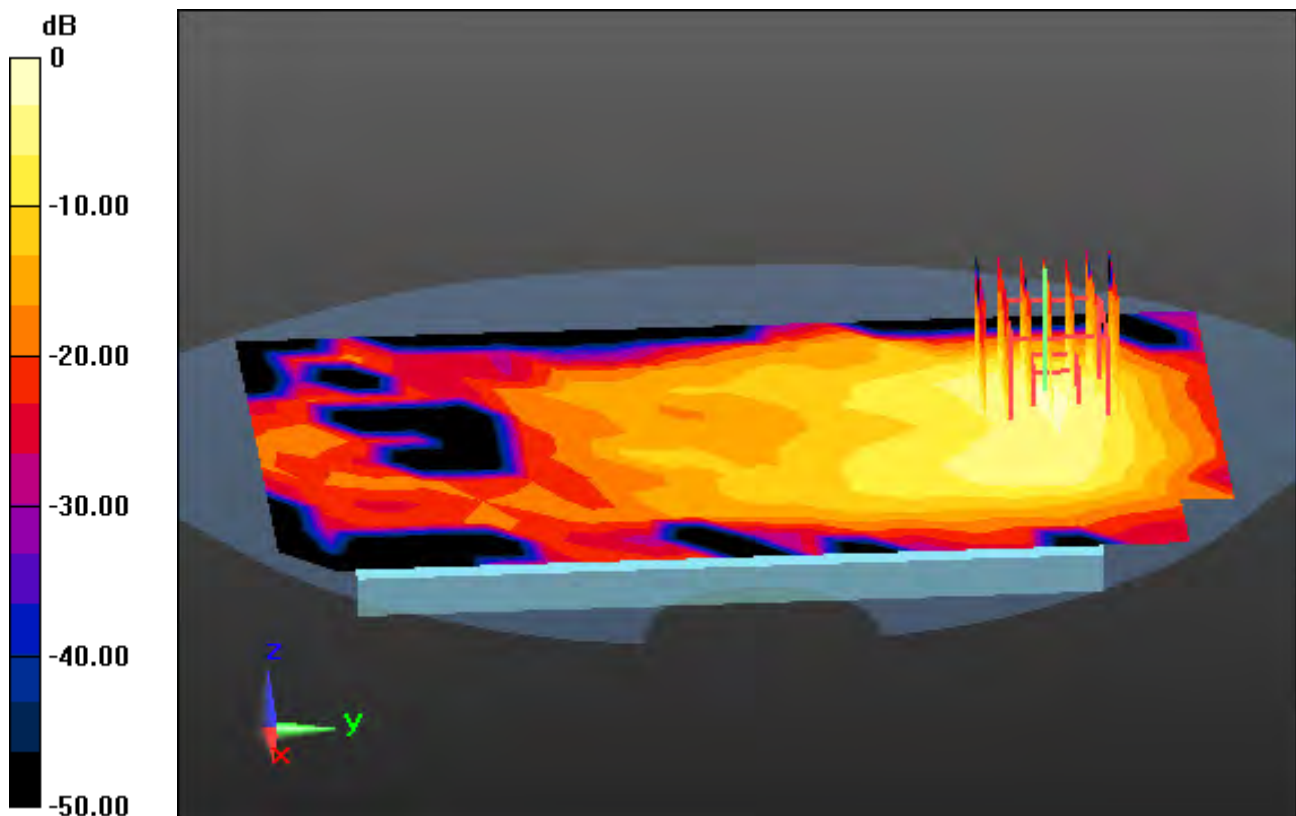
**Area Scan (12x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

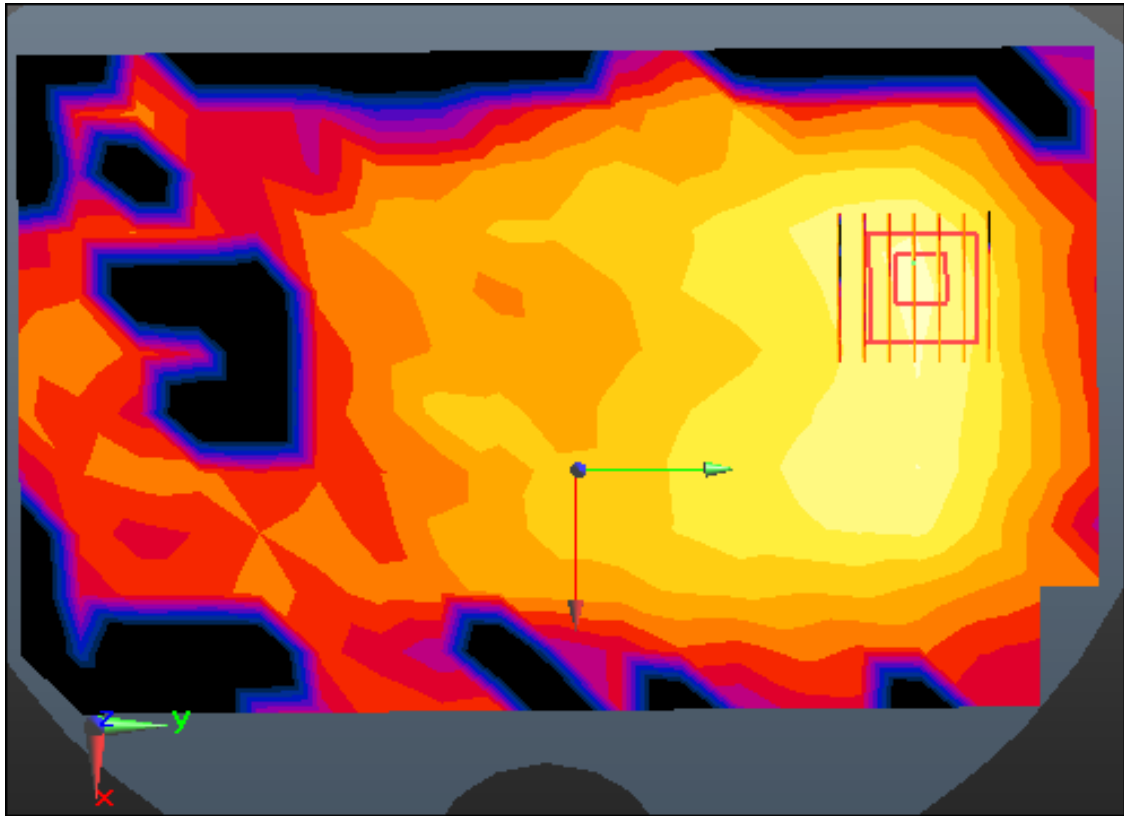
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0540 W/kg

**SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.013 W/kg**



0 dB = 0.0720 W/kg



Enlarged Plot for A39

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.922 \text{ S/m}$ ;  $\epsilon_r = 51.127$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

**1 cm space from Body, Front, WLAN(802.11g) Ch. 11, Ant Internal, MIMO**

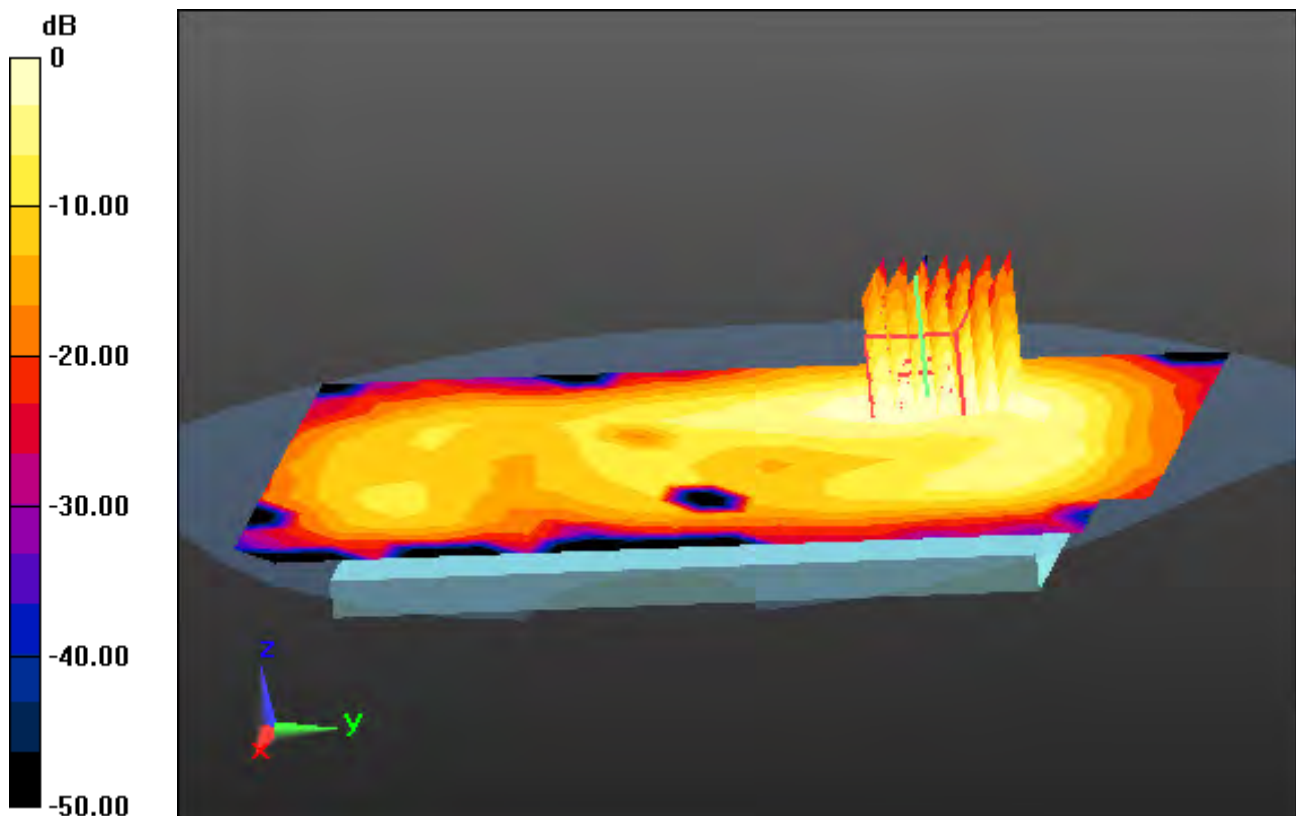
**Area Scan (12x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

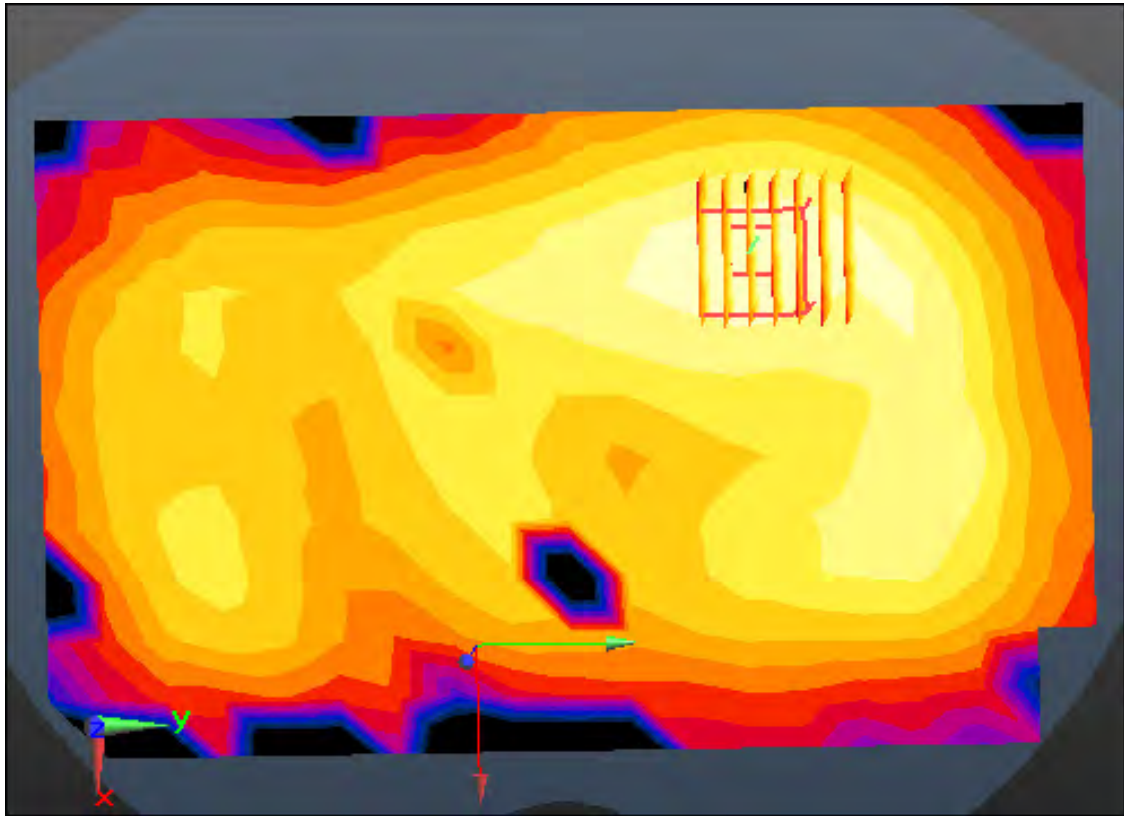
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.226 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.055 W/kg**



0 dB = 0.165 W/kg



Enlarged Plot for A40

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.514$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-07; Ambient Temp: 21.0; Tissue Temp: 21.4

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 60, Ant Internal, Ant.1**

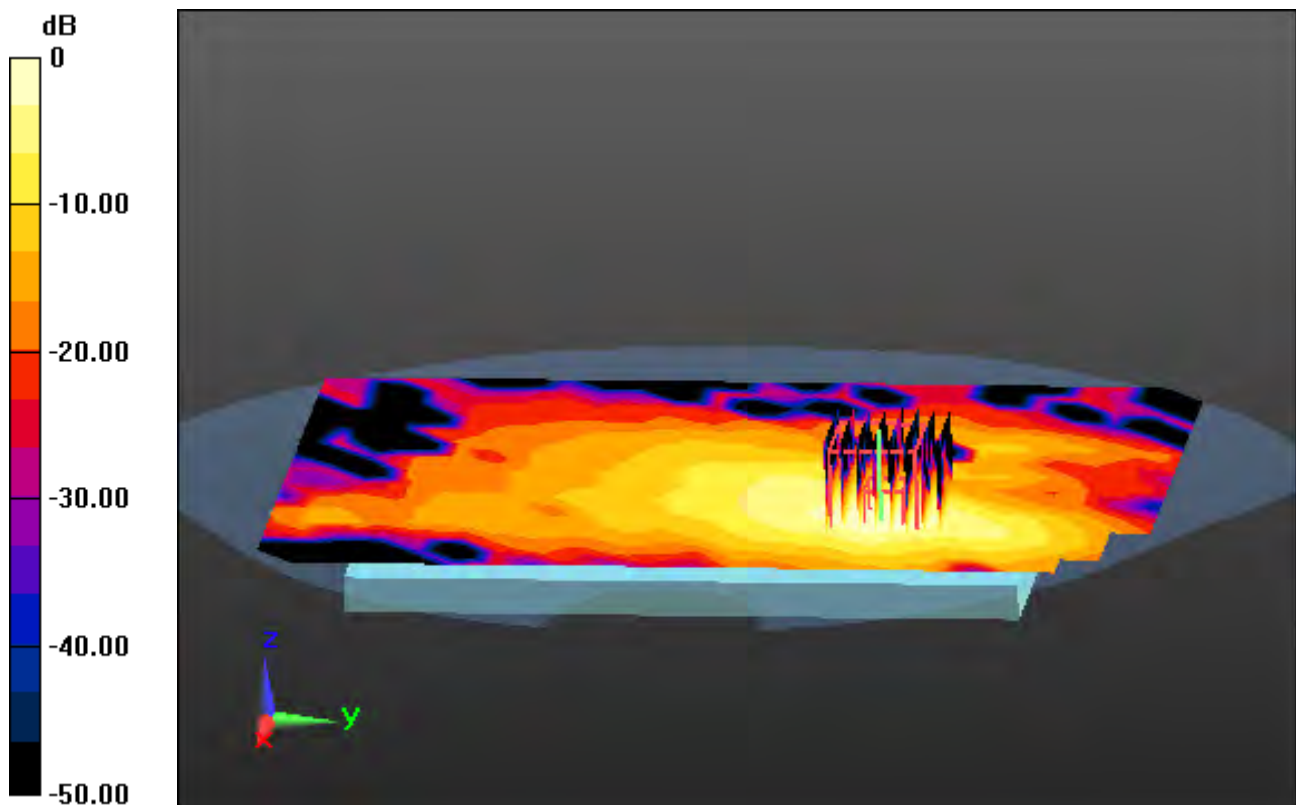
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

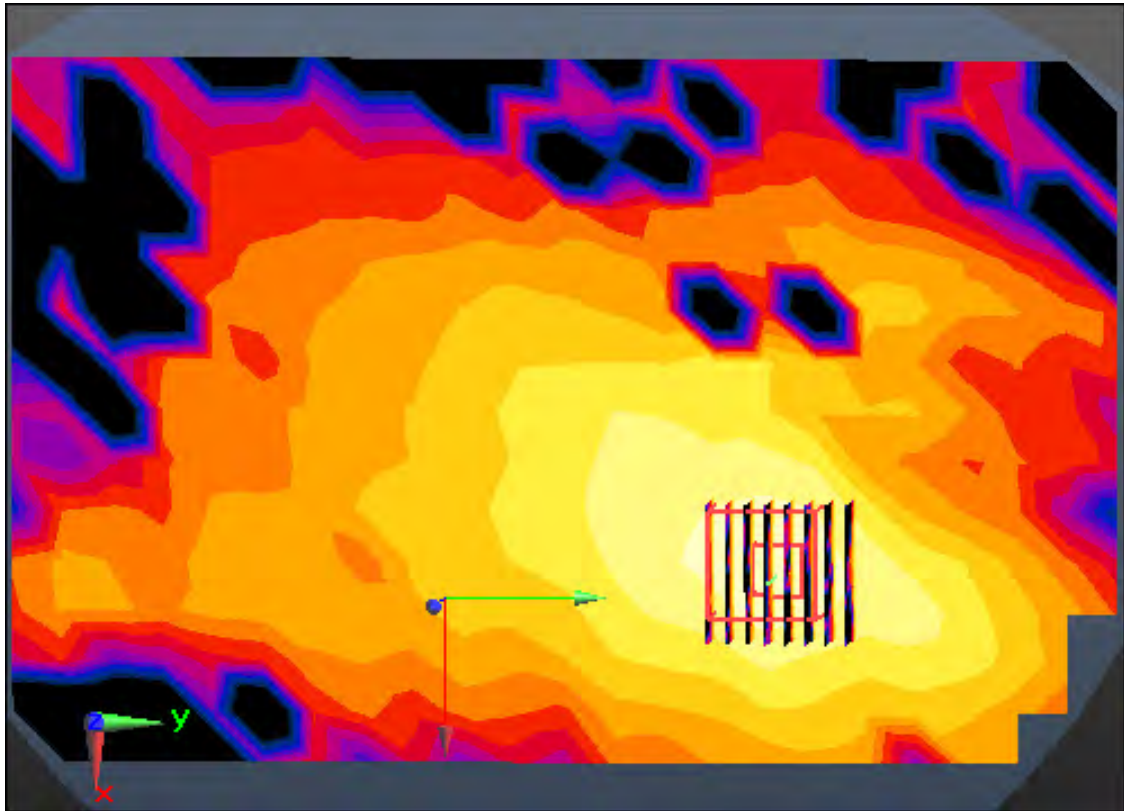
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.749 W/kg

**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.068 W/kg**



0 dB = 0.431 W/kg



Enlarged Plot for A41

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.514$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-07; Ambient Temp: 21.0; Tissue Temp: 21.4

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 60, Ant Internal, Ant.2**

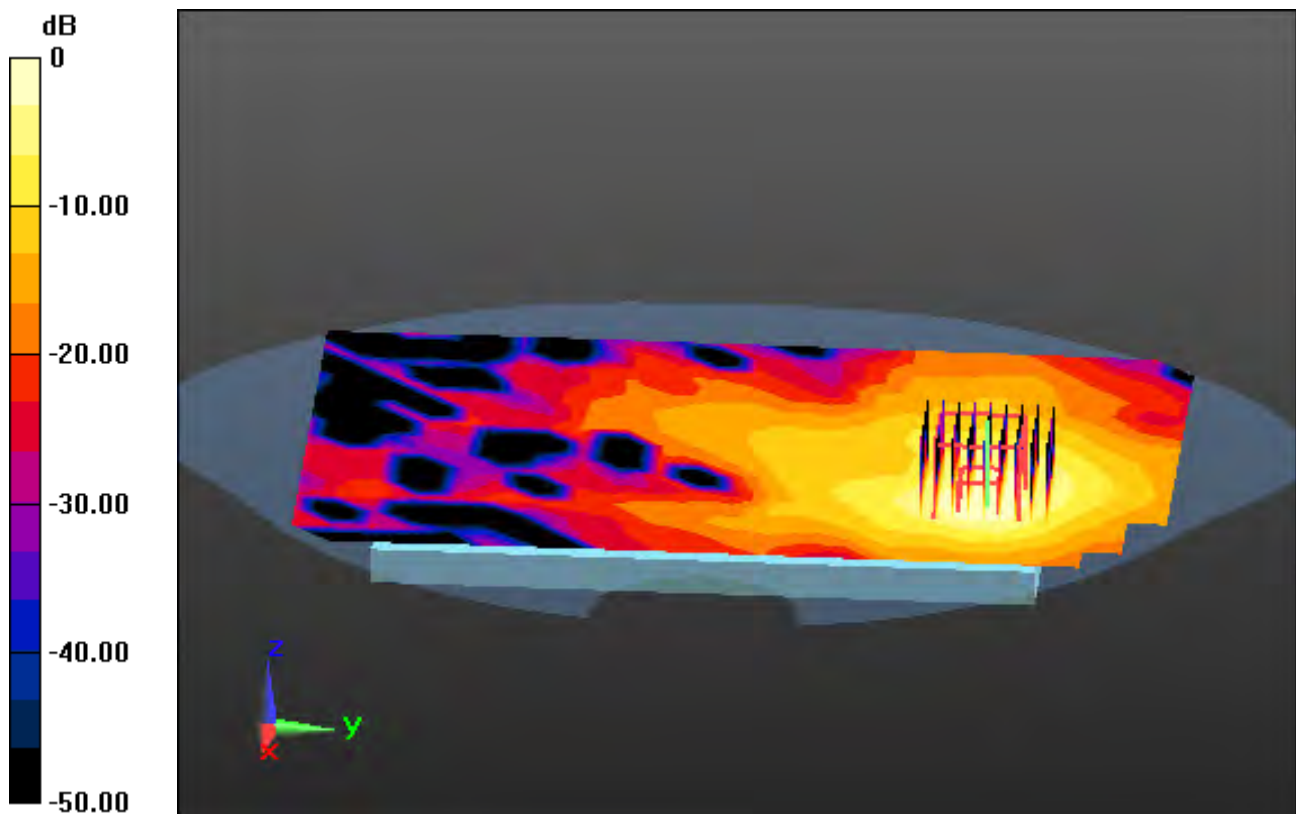
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

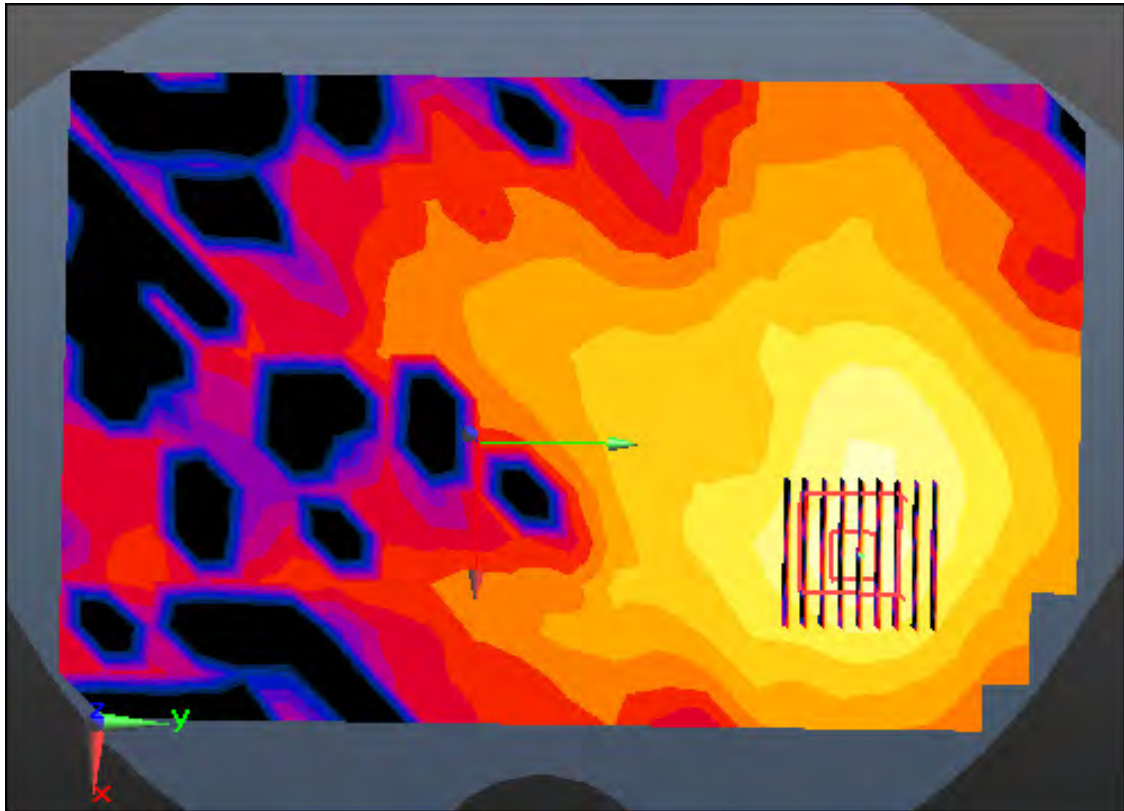
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.088 W/kg**



0 dB = 0.624 W/kg



Enlarged Plot for A42

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.3$  S/m;  $\epsilon_r = 49.514$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-07; Ambient Temp: 21.0; Tissue Temp: 21.4

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 60, Ant Internal, MIMO**

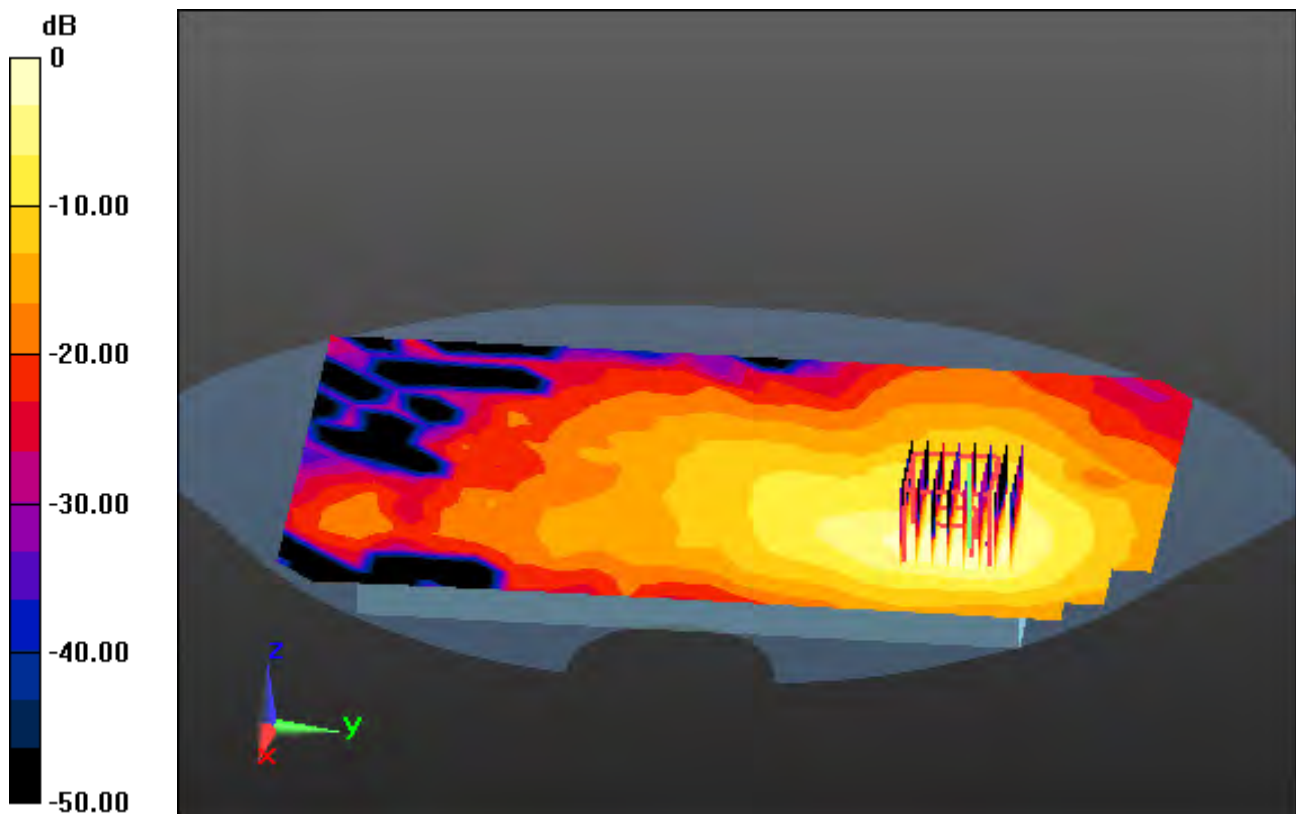
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

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

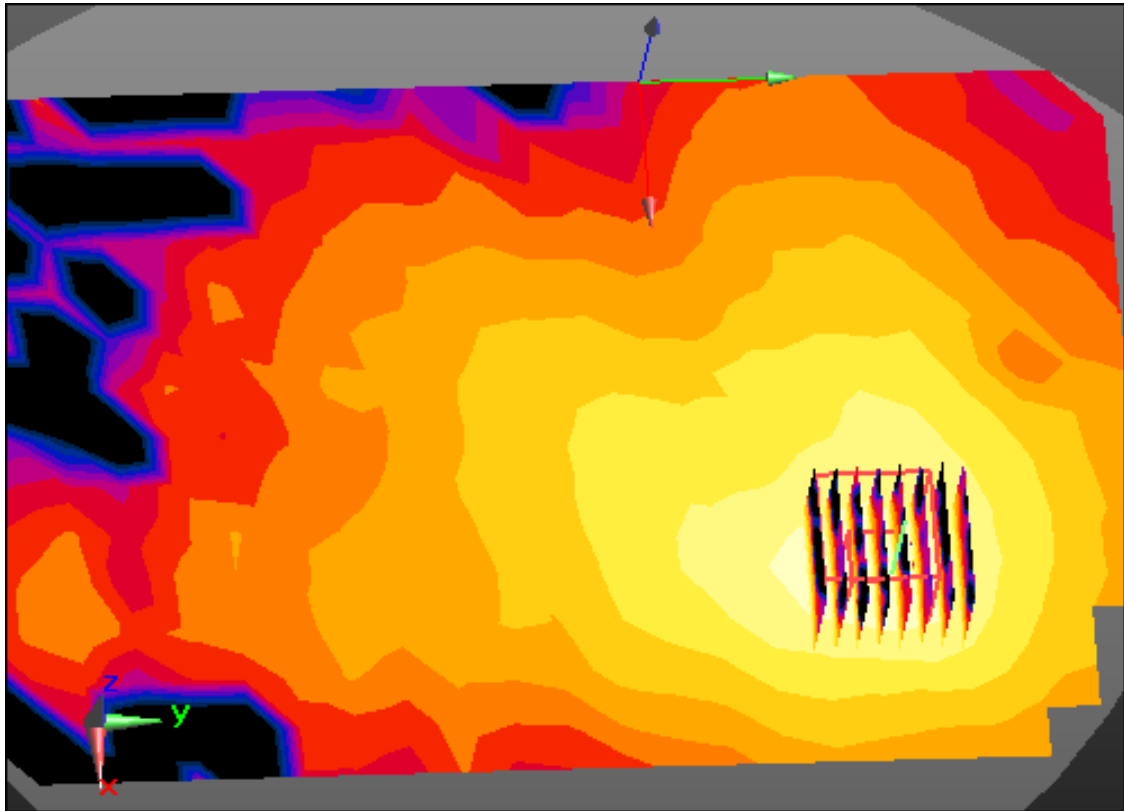
Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.122 W/kg**



0 dB = 0.802 W/kg



Enlarged Plot for A43

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5500 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.692 \text{ S/m}$ ;  $\epsilon_r = 49.784$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.3, 4.3, 4.3); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, Ant.1**

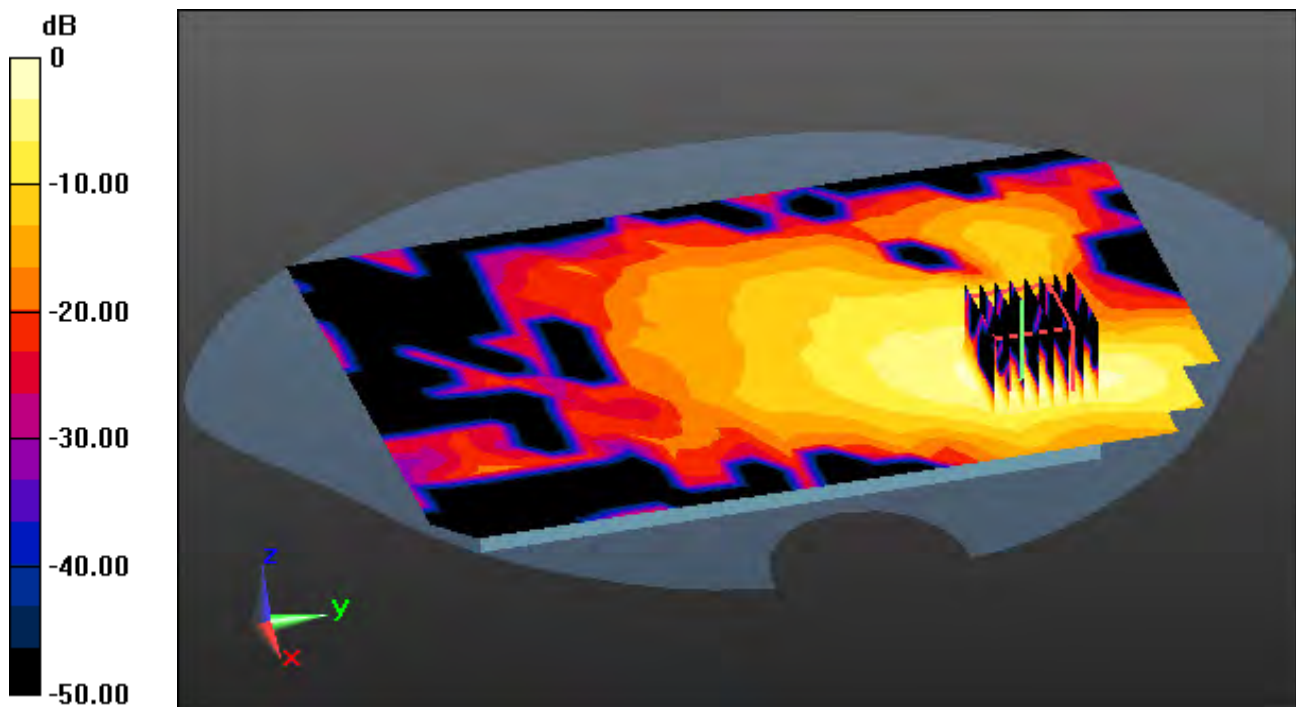
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

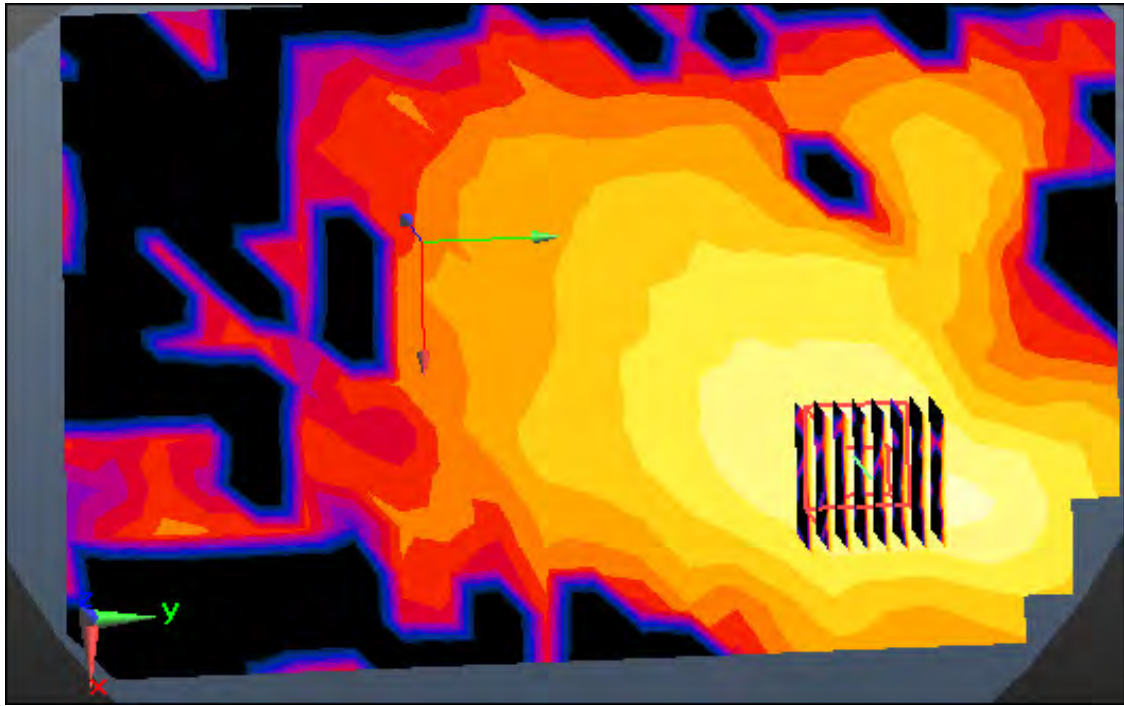
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.681 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.057 W/kg**



0 dB = 0.415 W/kg



Enlarged Plot for A44

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5720 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 5.965 \text{ S/m}$ ;  $\epsilon_r = 48.586$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.1, 4.1, 4.1); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 144, Ant Internal, Ant.2**

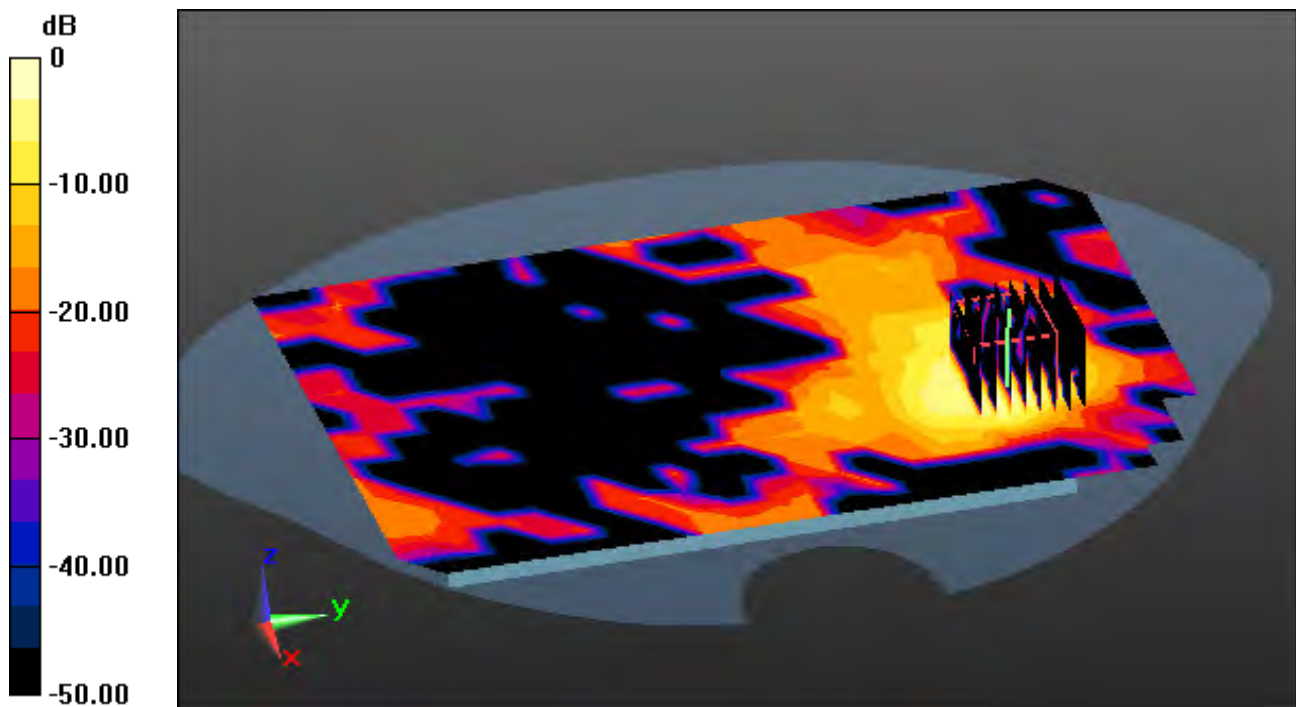
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

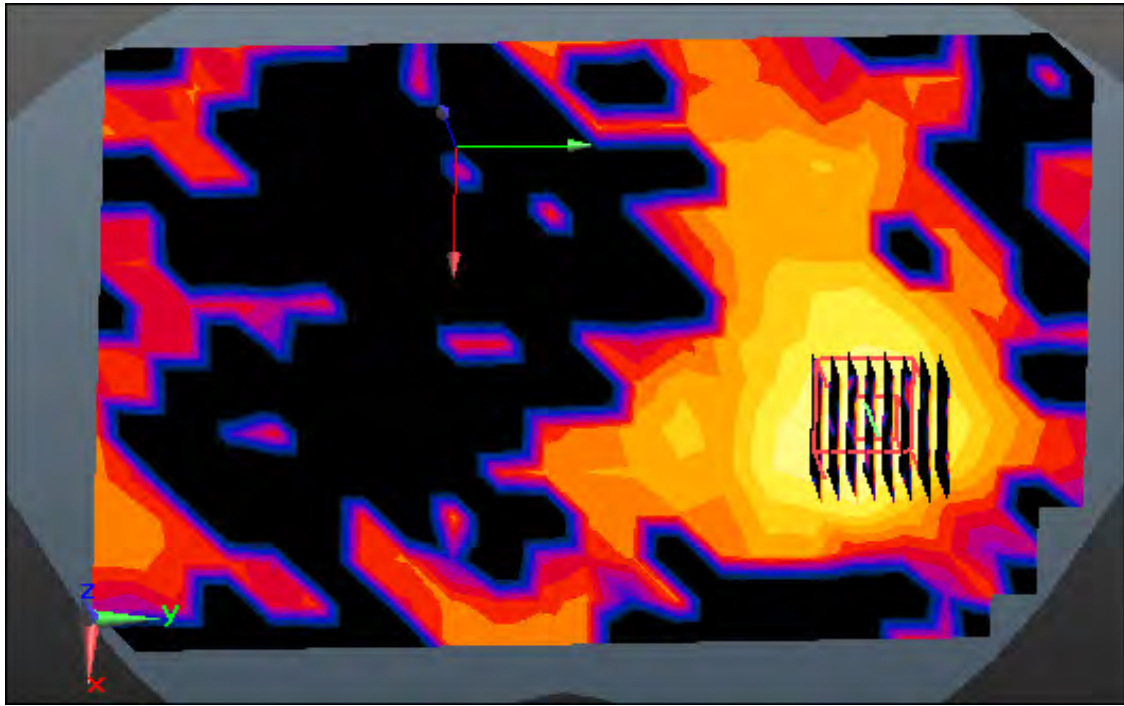
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.499 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.037 W/kg**



0 dB = 0.301 W/kg



Enlarged Plot for A45

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5720 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 5.965 \text{ S/m}$ ;  $\epsilon_r = 48.586$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.1, 4.1, 4.1); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 144, Ant Internal, MIMO**

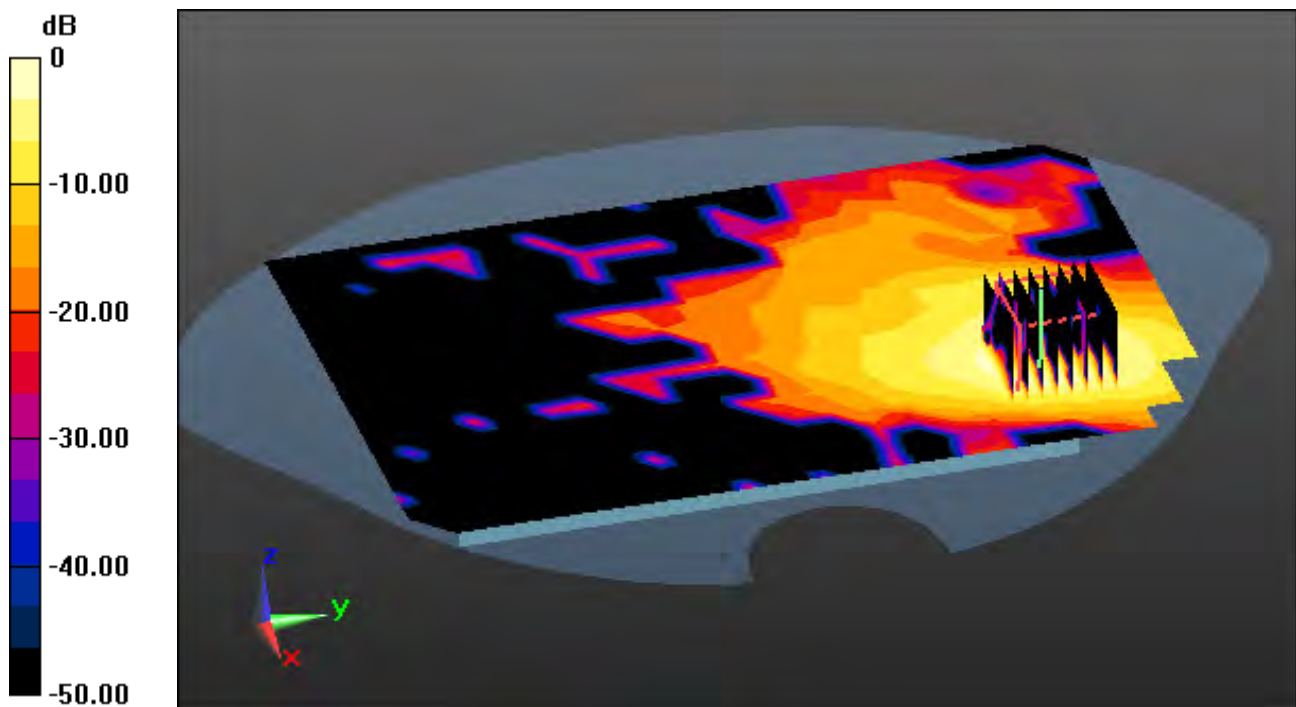
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

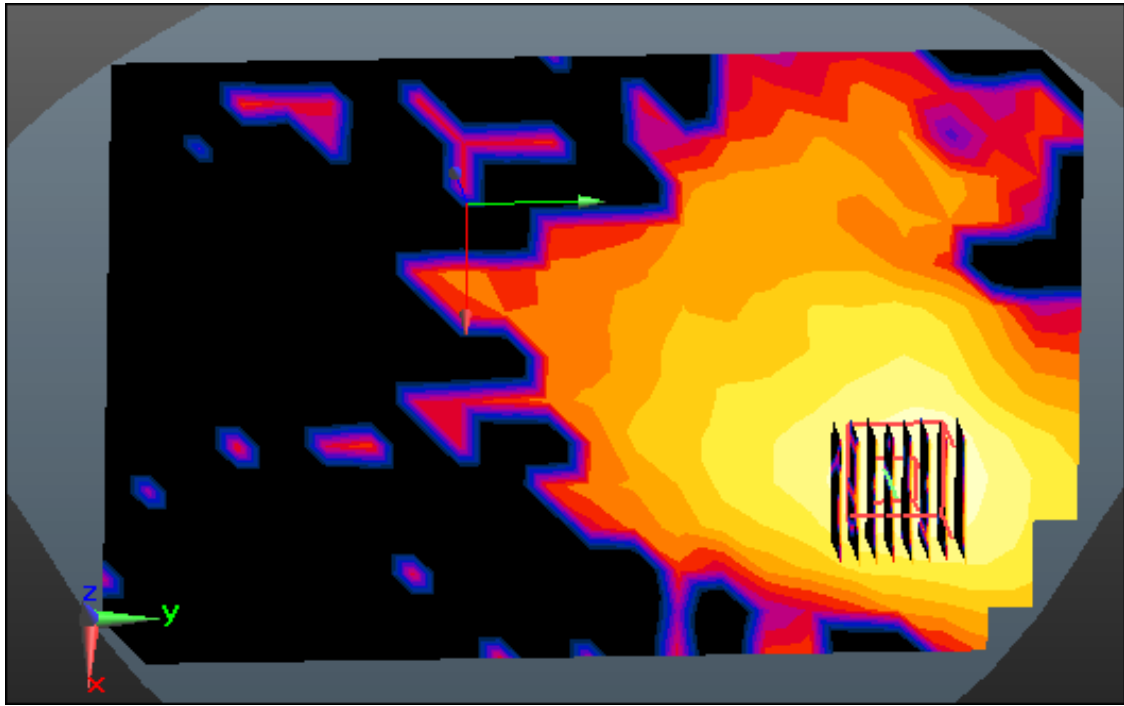
Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.623 W/kg

**SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.055 W/kg**



0 dB = 0.381 W/kg



Enlarged Plot for A46

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.081 \text{ S/m}$ ;  $\epsilon_r = 49.691$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 149, Ant Internal, Ant.1**

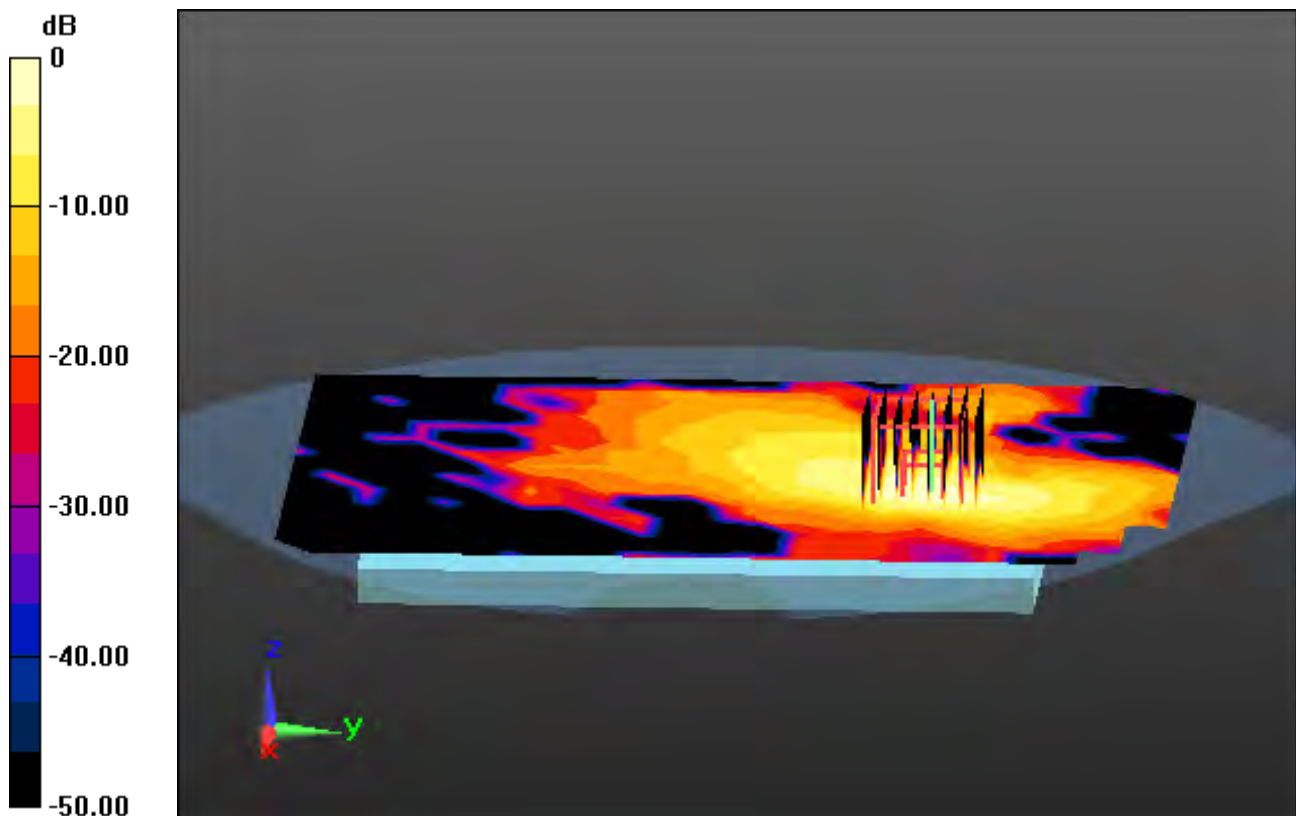
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

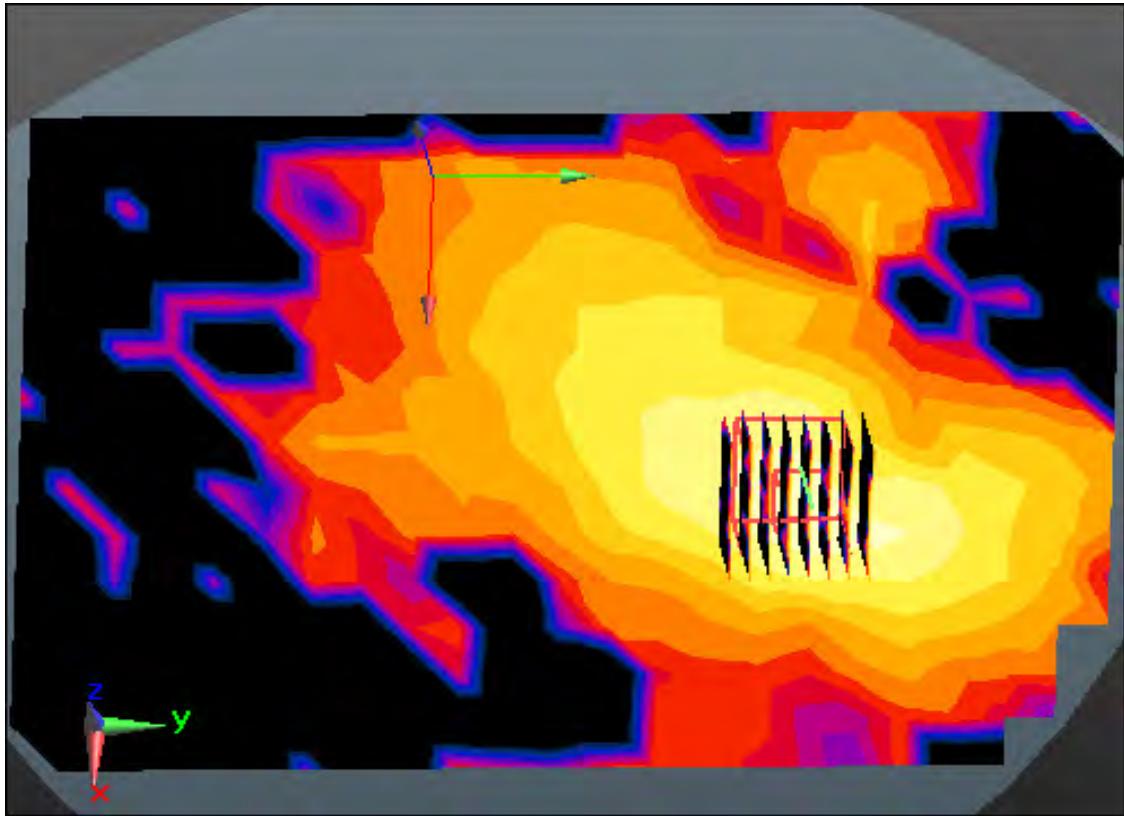
Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.695 W/kg

**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.053 W/kg**



0 dB = 0.417 W/kg



Enlarged Plot for A47

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.17 \text{ S/m}$ ;  $\epsilon_r = 49.518$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.2**

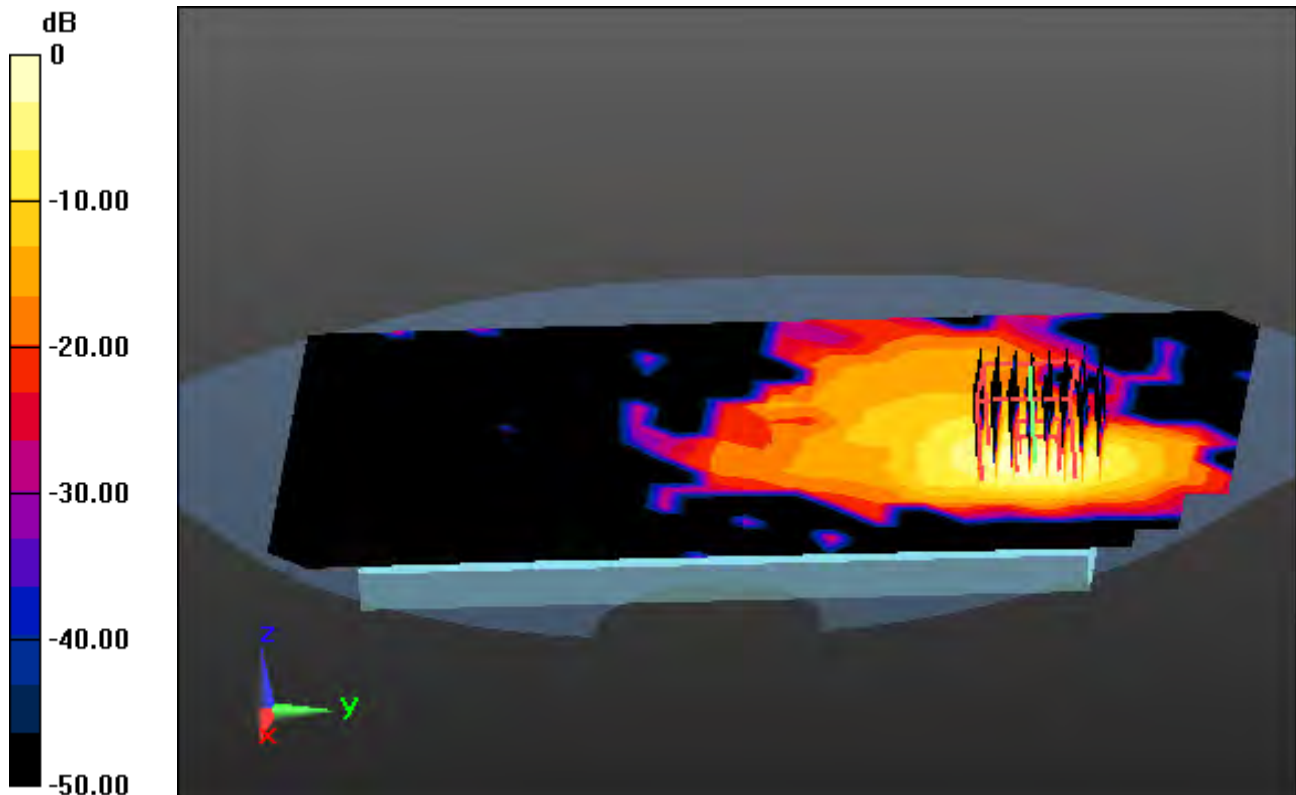
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

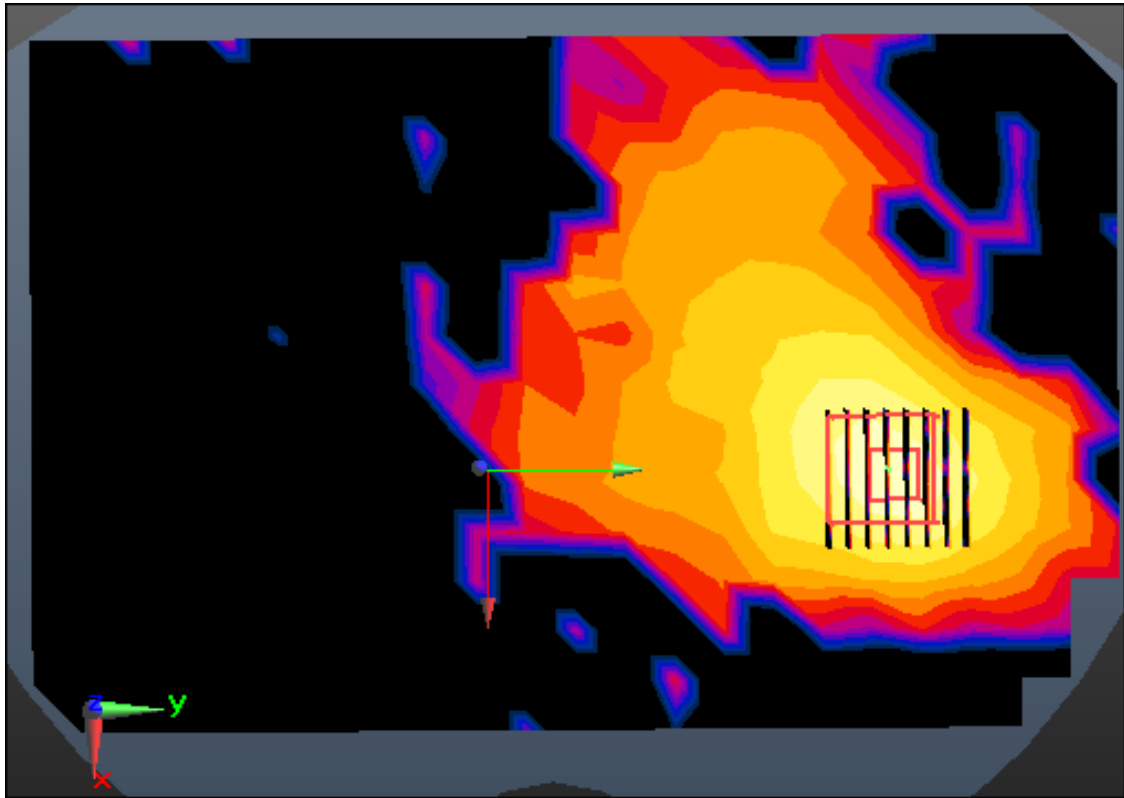
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.072 W/kg**



0 dB = 0.595 W/kg



Enlarged Plot for A48

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.17 \text{ S/m}$ ;  $\epsilon_r = 49.518$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, MIMO**

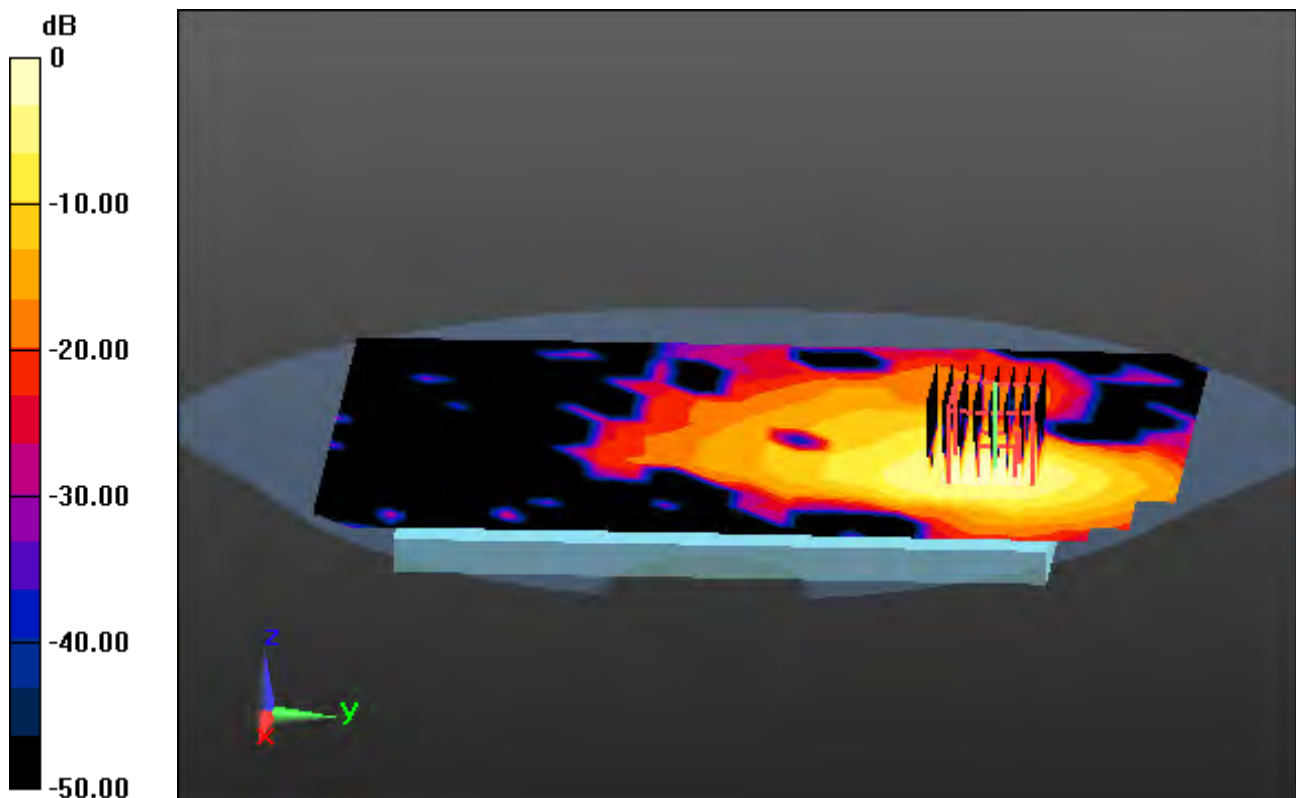
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

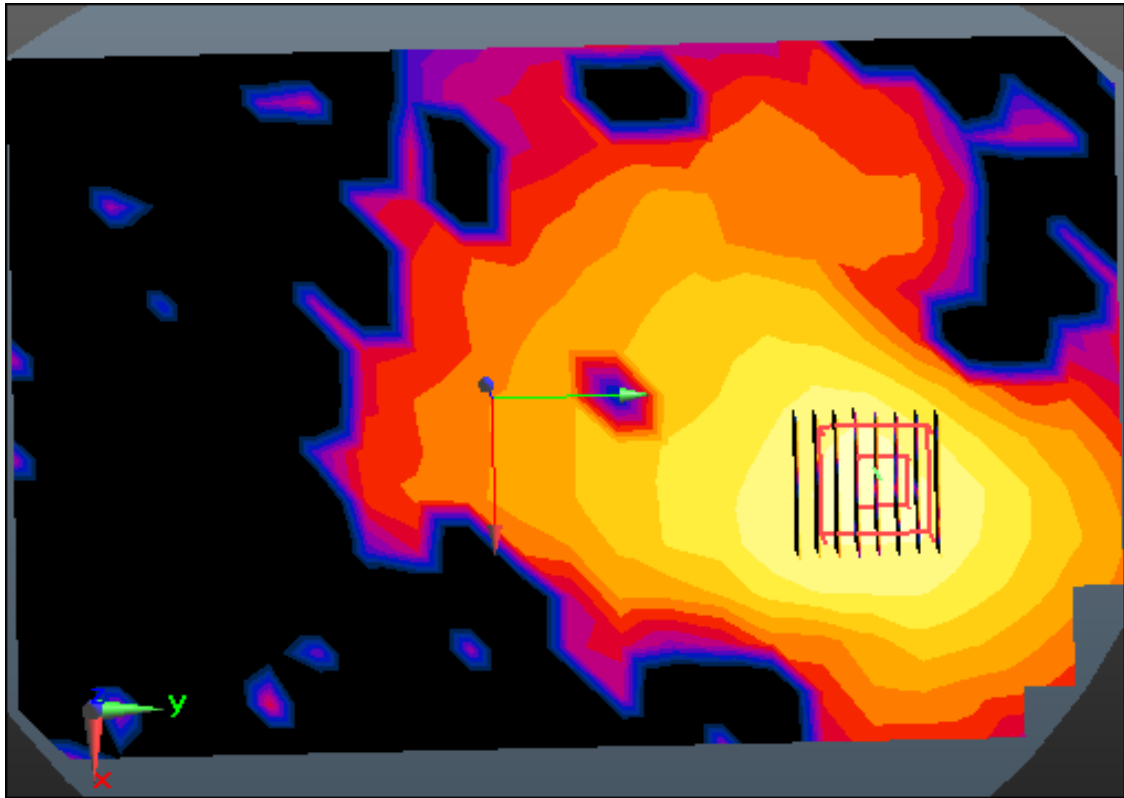
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.076 W/kg**



0 dB = 0.616 W/kg



Enlarged Plot for A49

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.9$  S/m;  $\epsilon_r = 51.166$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

**1 cm space from Body, Front, Bluetooth 1Mbps Ch. 39, Ant Internal**

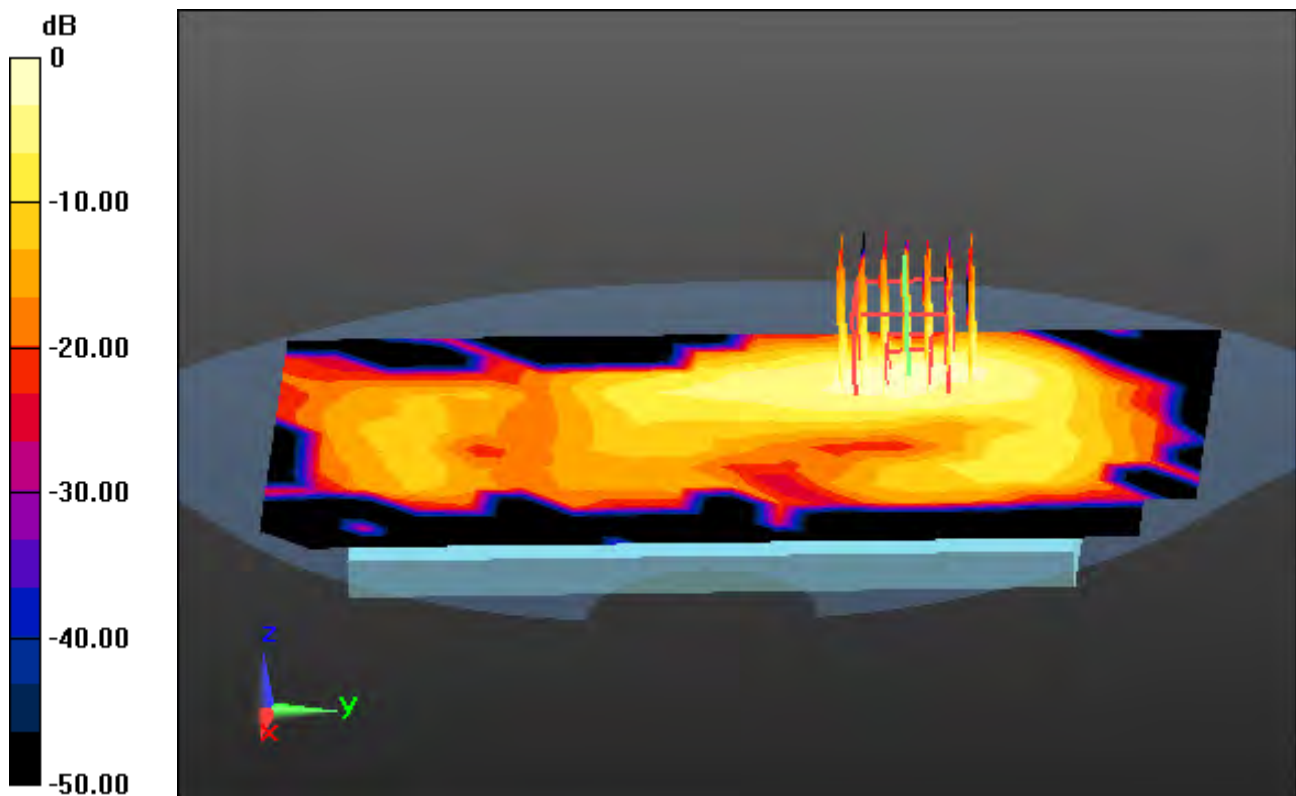
**Area Scan (12x19x1):** Measurement grid: dx=12mm, dy=12mm

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

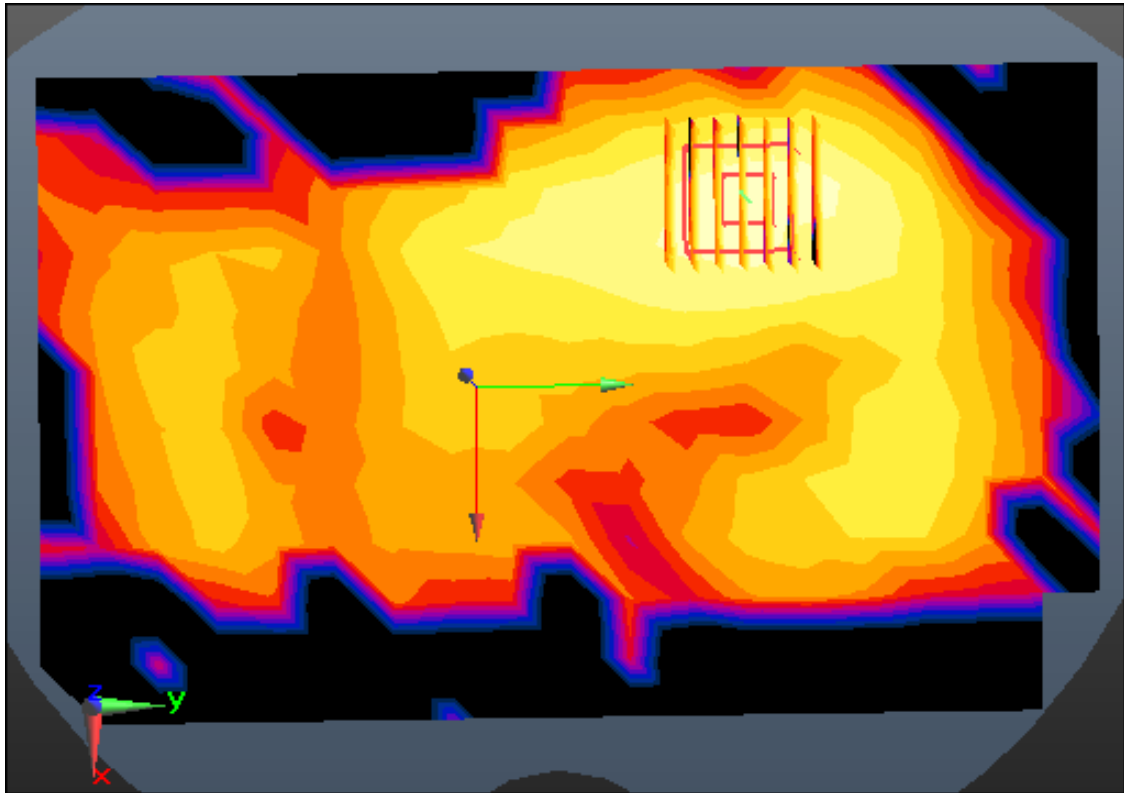
Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.018 W/kg**



0 dB = 0.0575 W/kg



Enlarged Plot for A50

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, PCS1900\_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

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

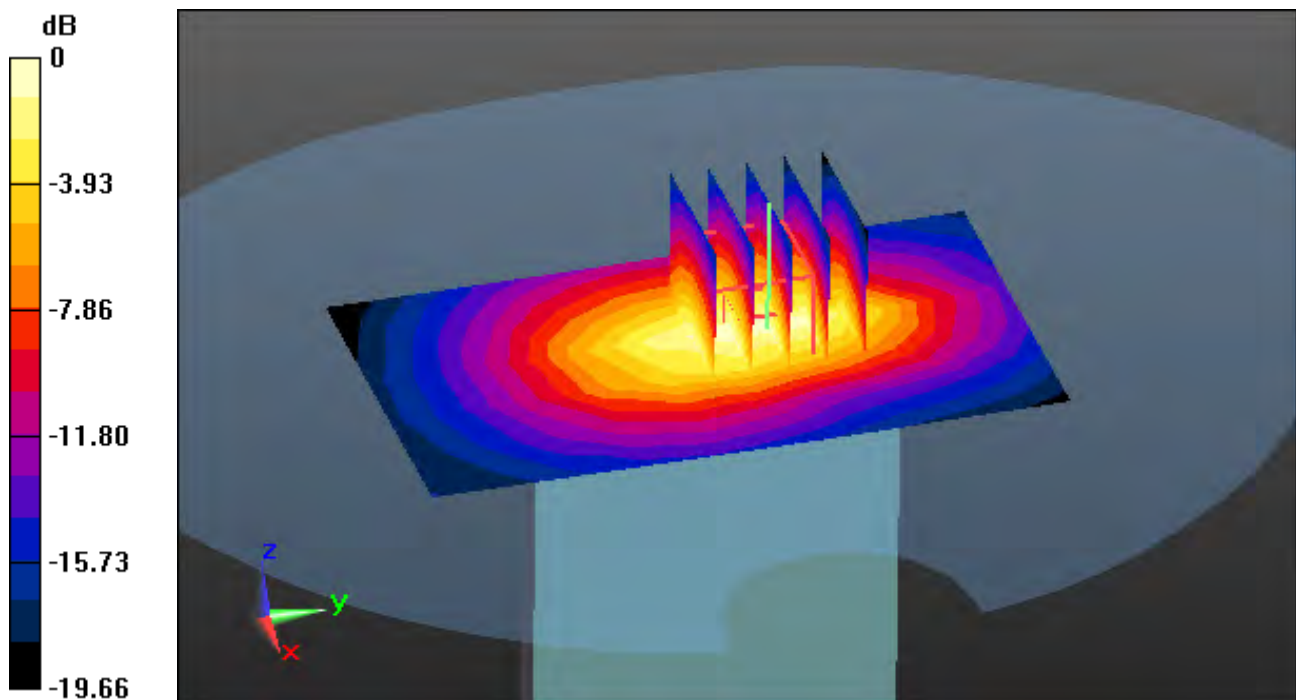
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

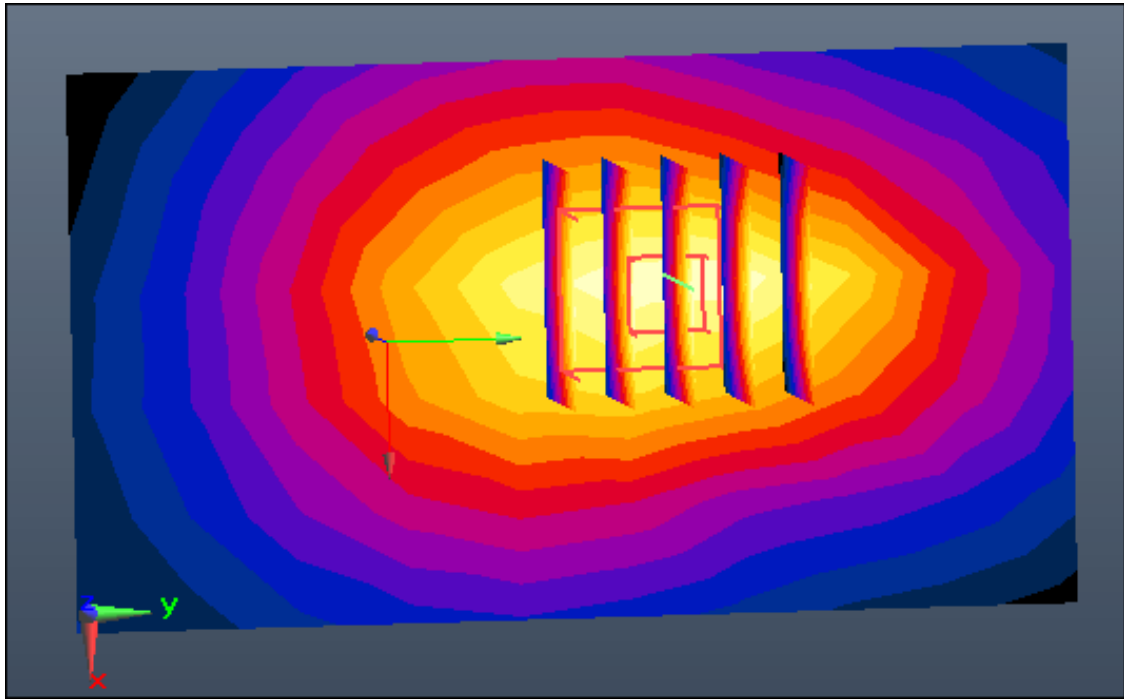
Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.321 W/kg**



0 dB = 0.760 W/kg



Enlarged Plot for A51

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, WCDMA Band 4 (FCC) (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.516$  S/m;  $\epsilon_r = 52.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-04; Ambient Temp: 21.1; Tissue Temp: 21.2

**1 cm space from Body, Bottom, WCDMA1700 Ch. 1412, Ant Internal**

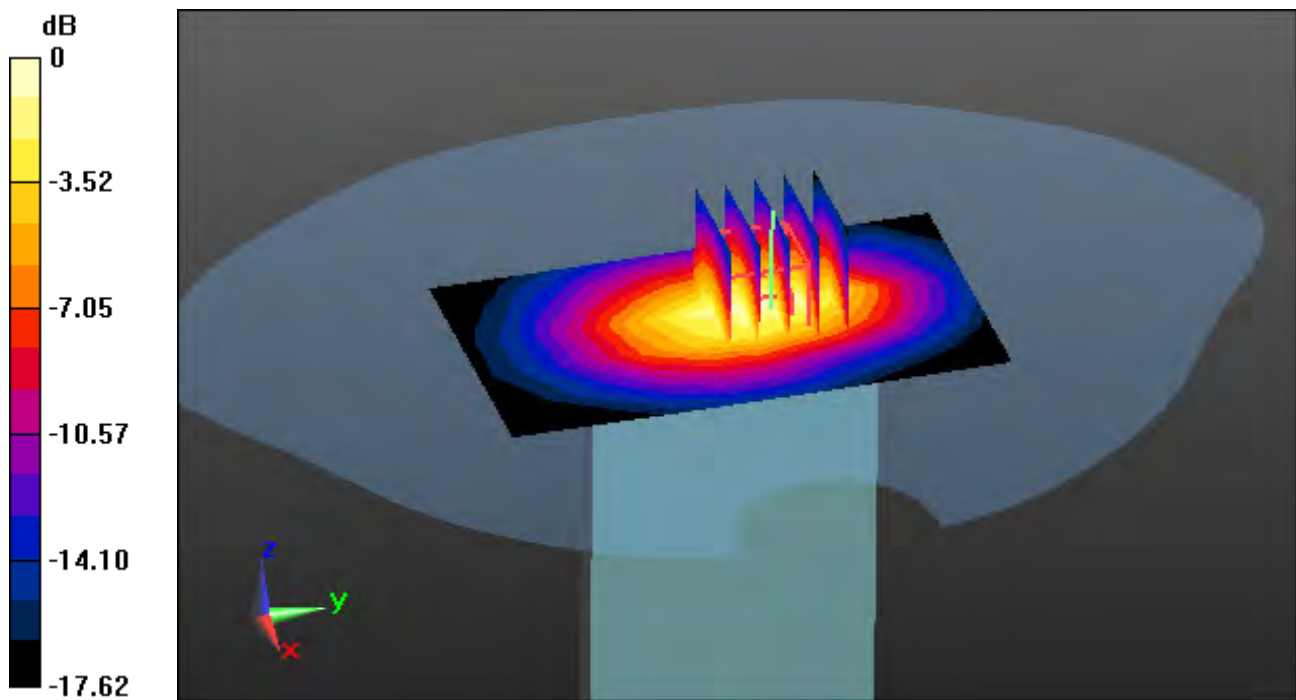
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

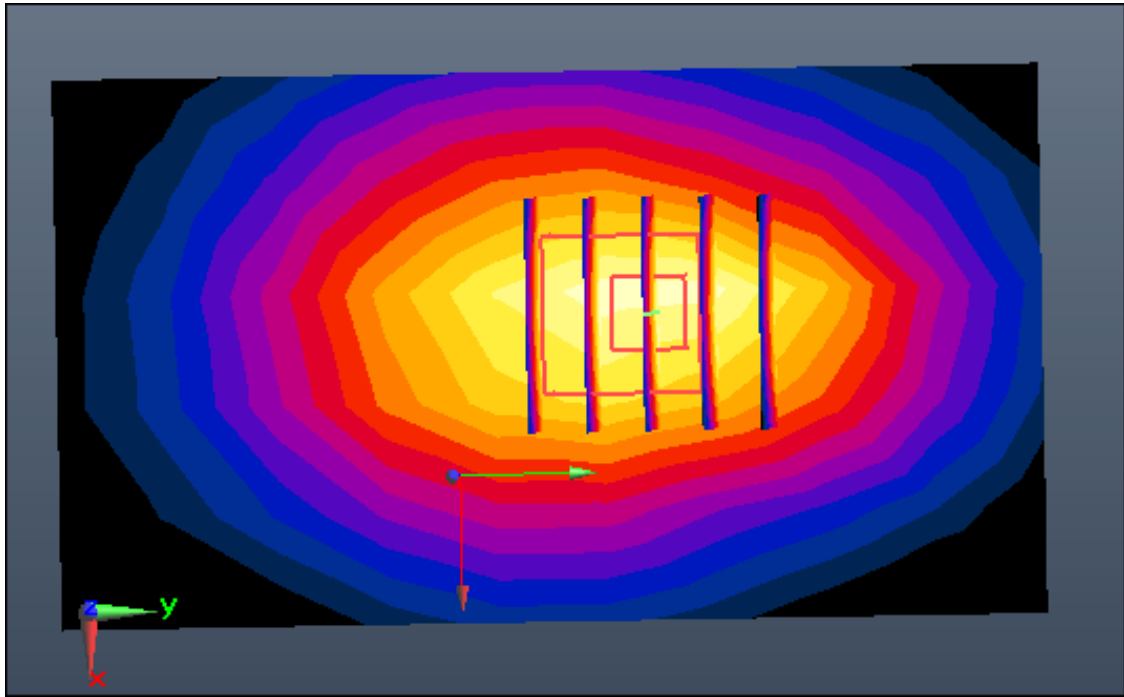
Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.888 W/kg

**SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.285 W/kg**



0 dB = 0.650 W/kg



Enlarged Plot for A52

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

**1 cm space from Body, Bottom, WCDMA1900 Ch. 9400, Ant Internal**

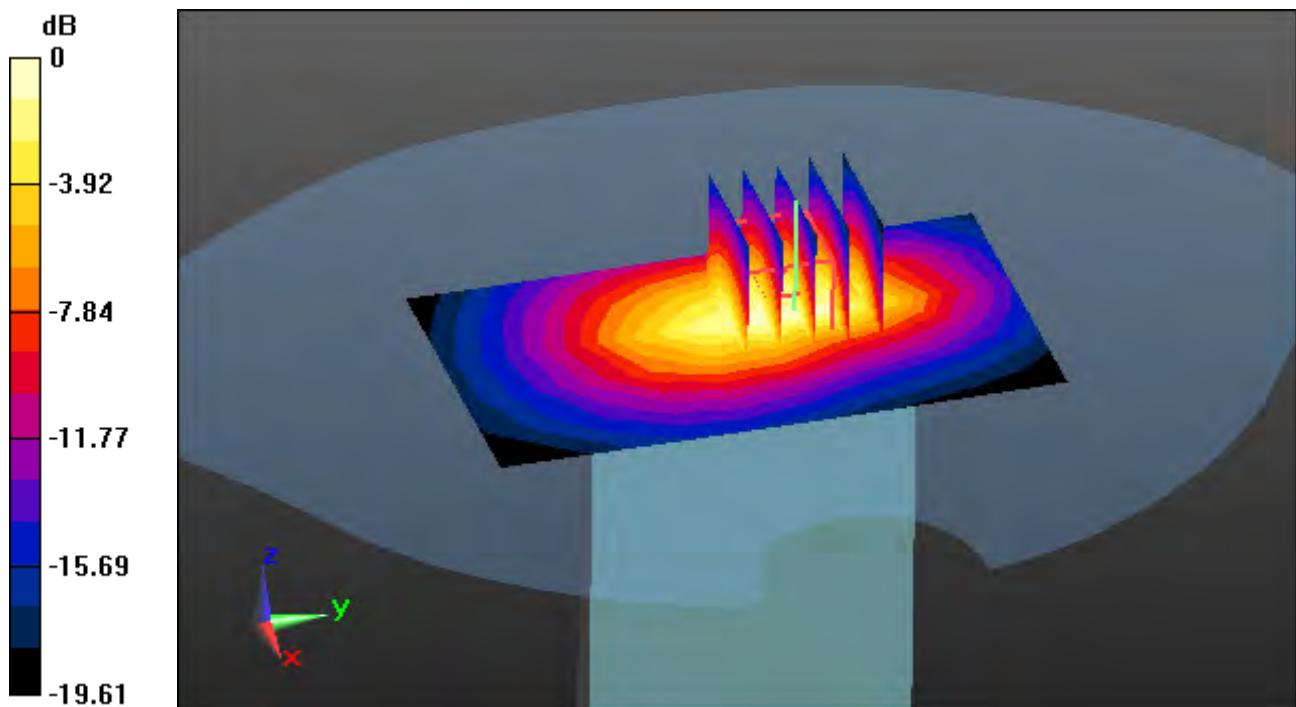
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

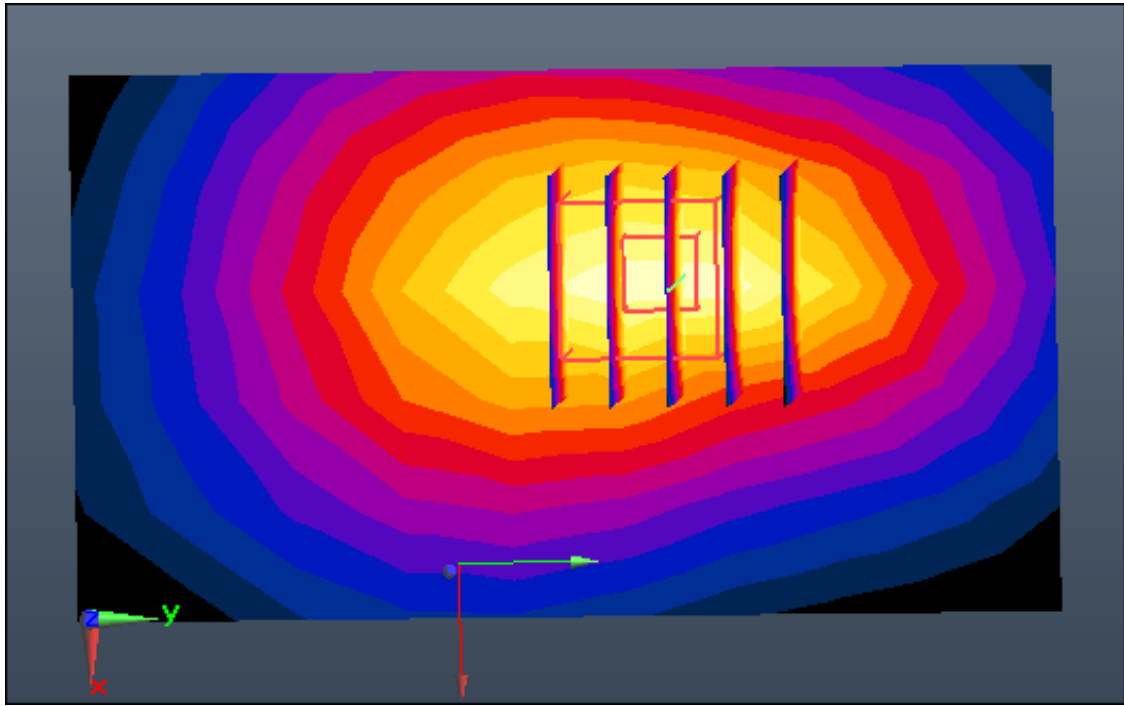
Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.302 W/kg**



0 dB = 0.717 W/kg



Enlarged Plot for A53

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.516$  S/m;  $\epsilon_r = 52.402$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394

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: 2019-12-04; Ambient Temp: 21.1; Tissue Temp: 21.2

**1 cm space from Body, Bottom, LTE Band 4 Ch. 20175, Ant Internal**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

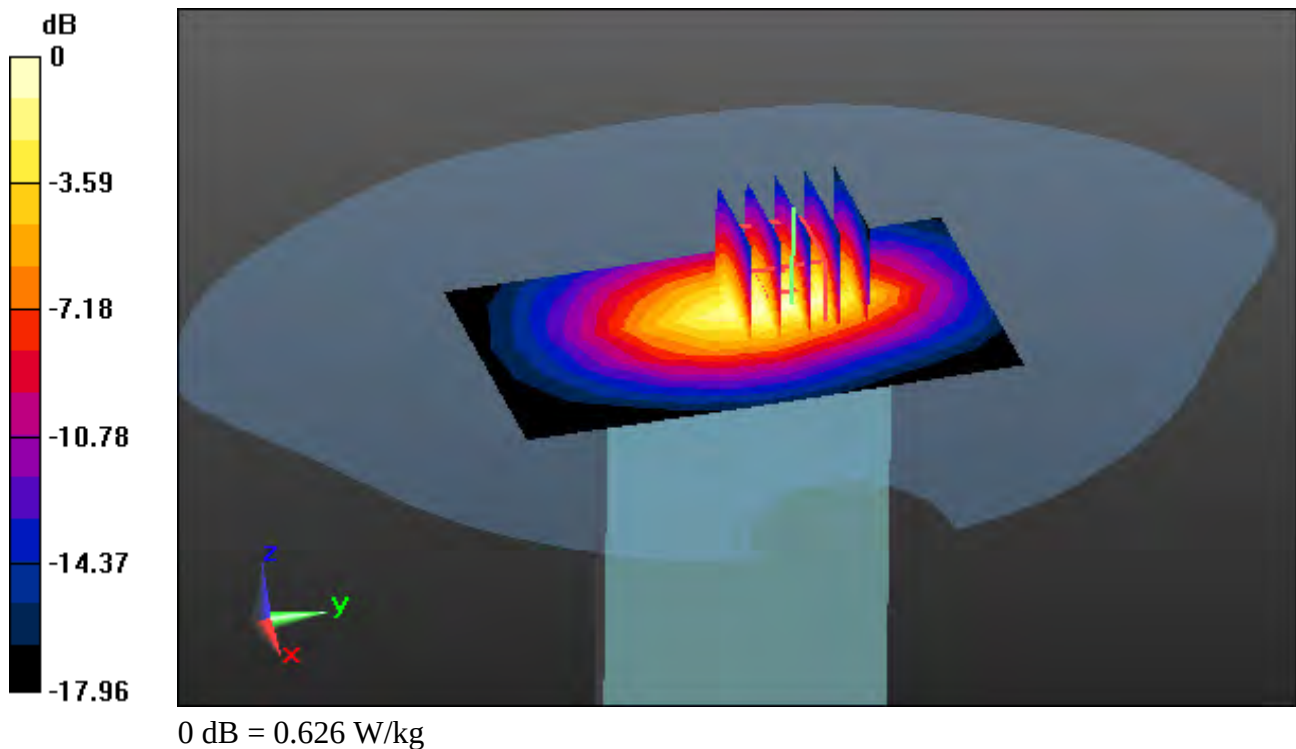
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

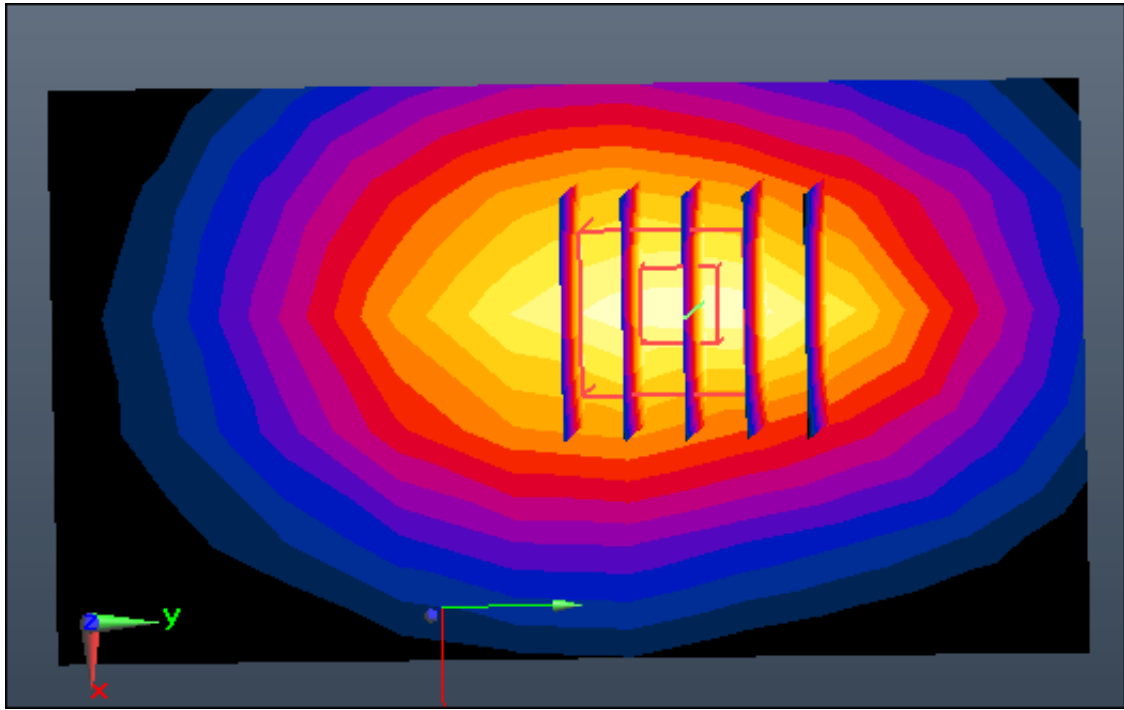
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.274 W/kg**





Enlarged Plot for A54

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.505 \text{ S/m}$ ;  $\epsilon_r = 52.335$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5, 5, 5); Calibrated: 8/27/2019; Electronics: DAE4 Sn1394  
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: 2019-12-03; Ambient Temp: 20.7; Tissue Temp: 20.9

**1 cm space from Body, Bottom, LTE Band 2 Ch. 18900, Ant Internal**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

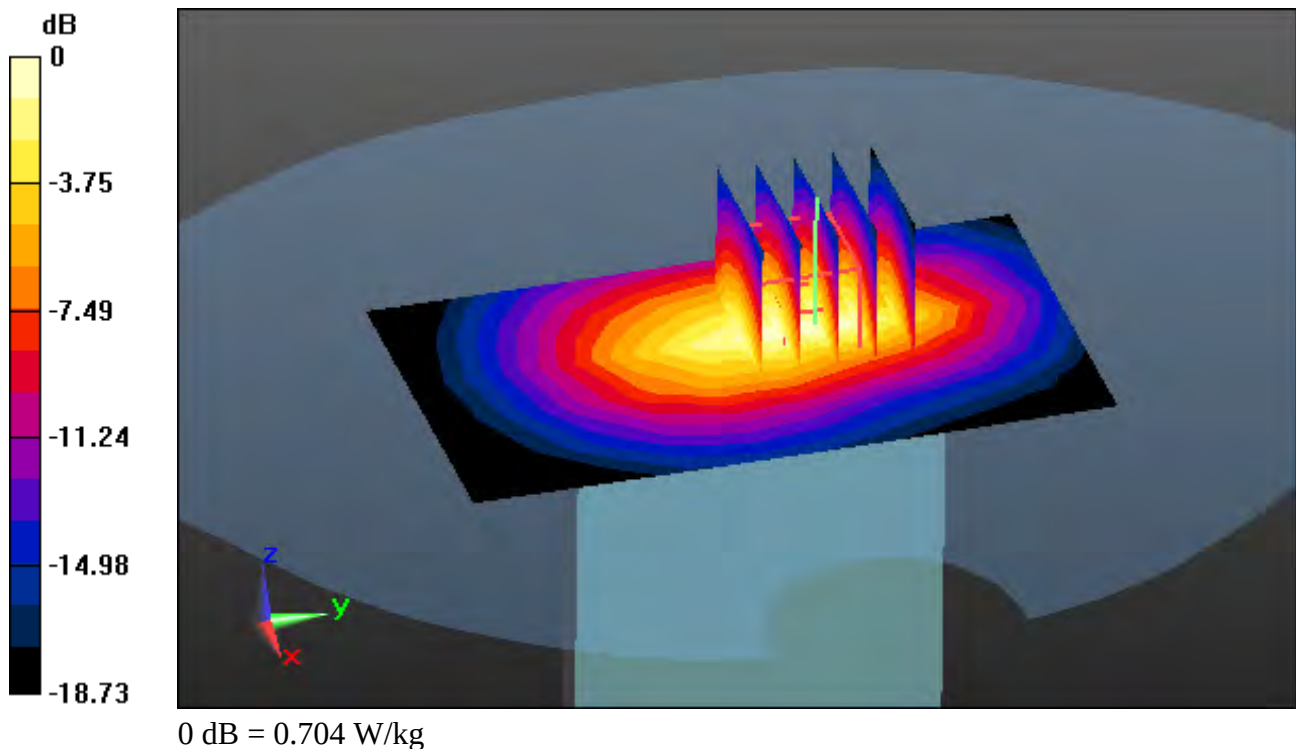
**Area Scan (6x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

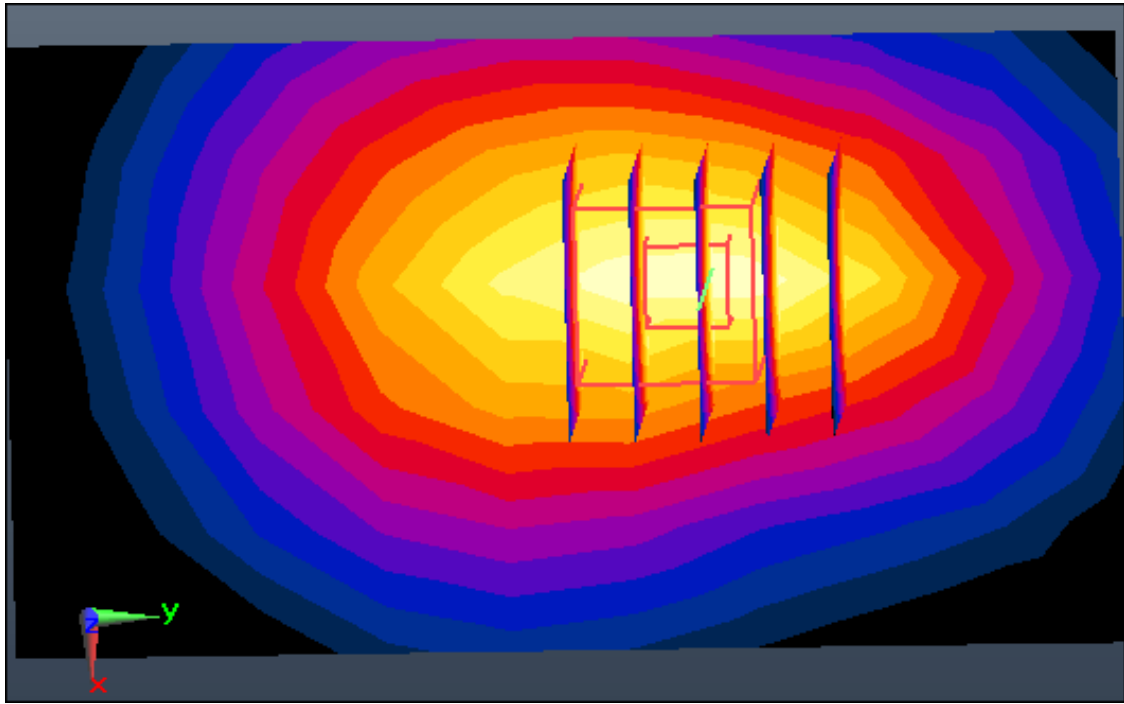
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.993 W/kg

**SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.299 W/kg**





Enlarged Plot for A55

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.922 \text{ S/m}$ ;  $\epsilon_r = 51.127$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

**1 cm space from Body, Left, WLAN(802.11b) Ch. 11, Ant Internal, Ant.1**

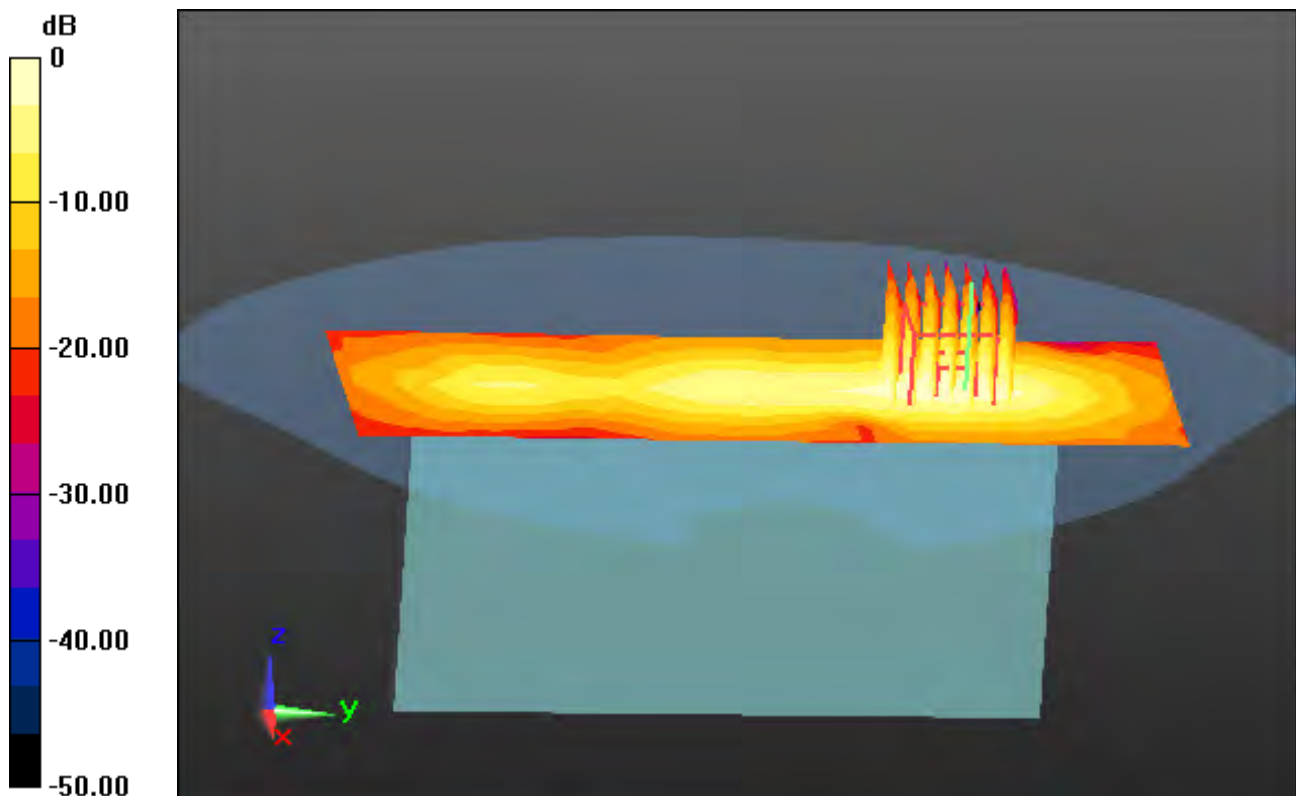
**Area Scan (7x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

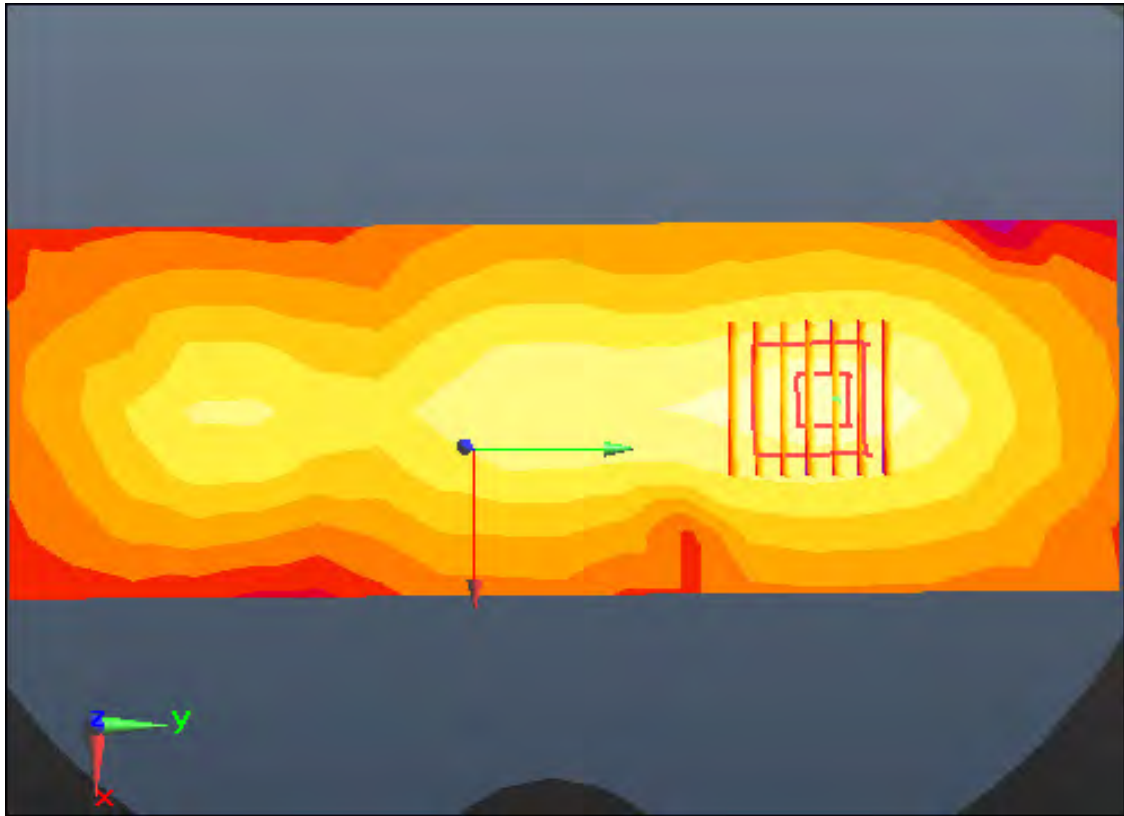
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.302 W/kg

**SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.069 W/kg**



0 dB = 0.222 W/kg



Enlarged Plot for A56

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.864 \text{ S/m}$ ;  $\epsilon_r = 51.225$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

**1 cm space from Body, Top, WLAN(802.11b) Ch. 1, Ant Internal, Ant.2**

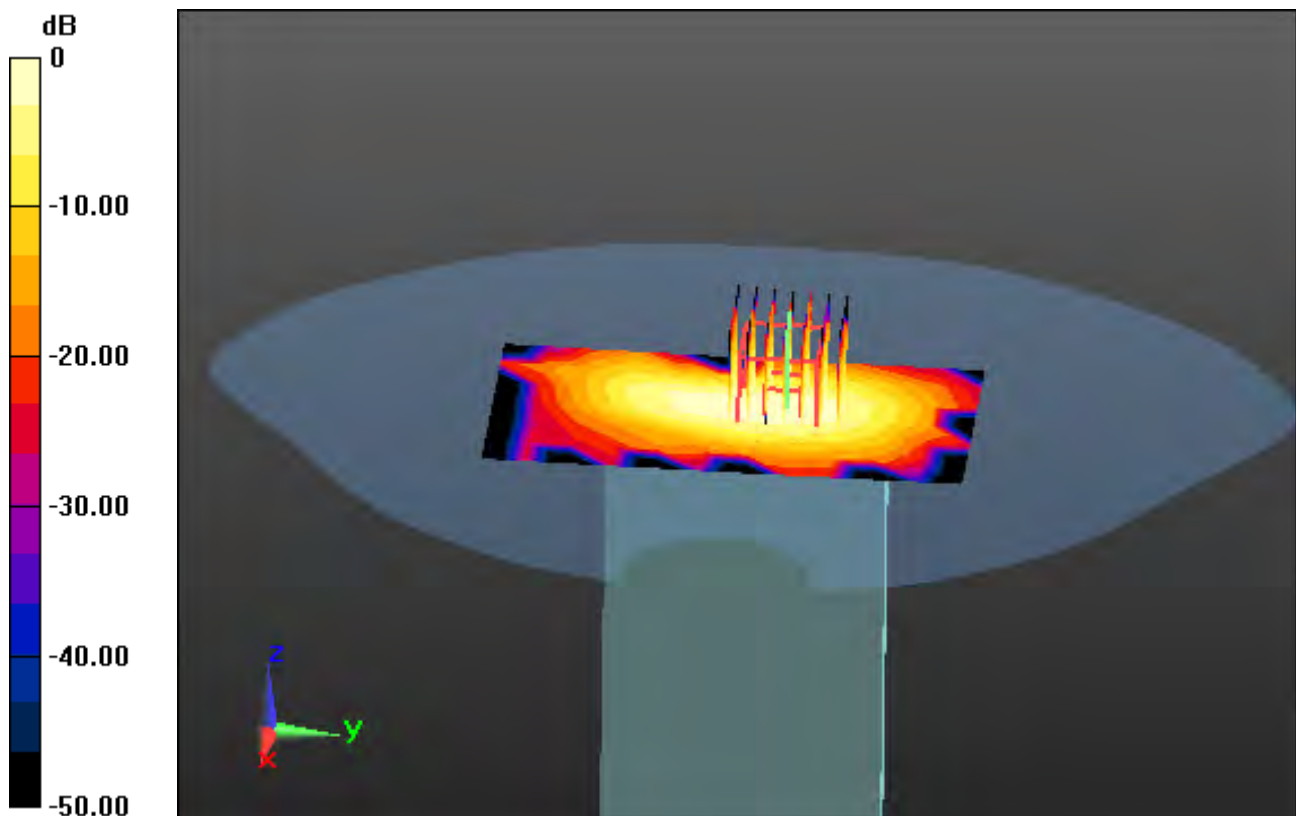
**Area Scan (7x12x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

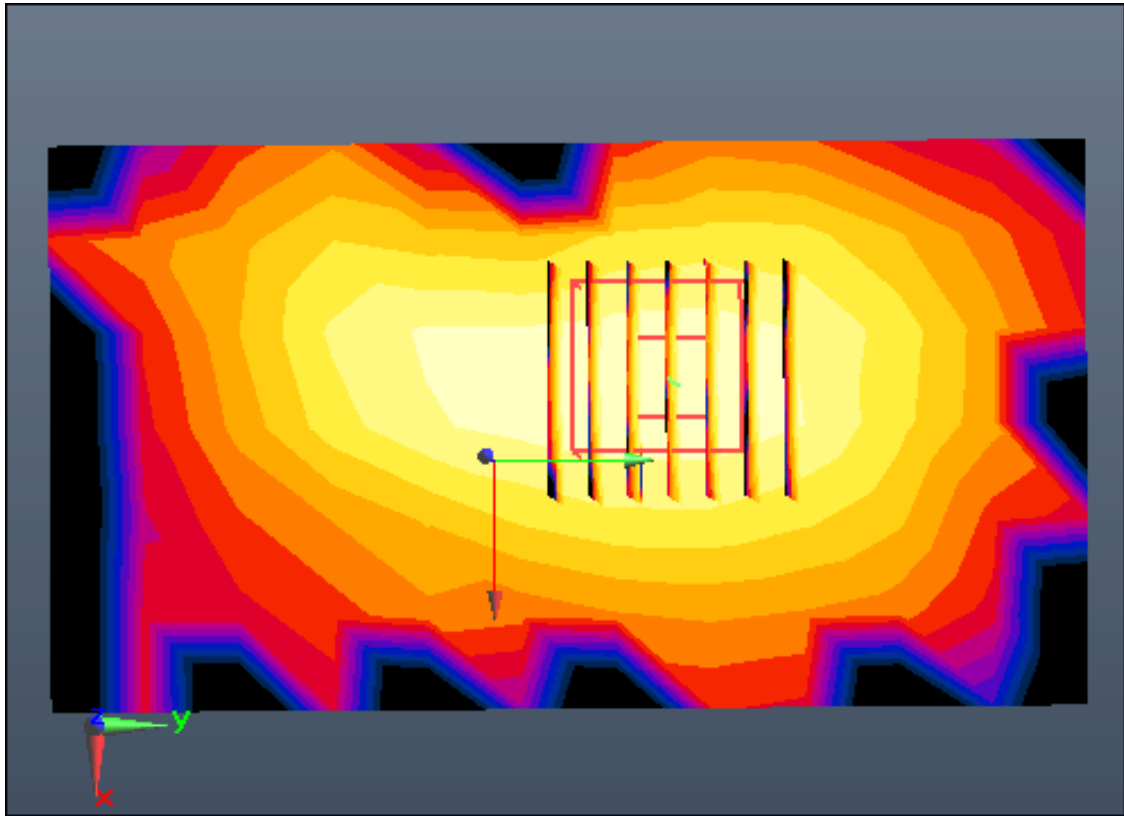
Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0970 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.022 W/kg**



0 dB = 0.0711 W/kg



Enlarged Plot for A57

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.922 \text{ S/m}$ ;  $\epsilon_r = 51.127$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-12-06; Ambient Temp: 21.4; Tissue Temp: 22.0

**1 cm space from Body, Left, WLAN(802.11g) Ch. 11, Ant Internal, MIMO**

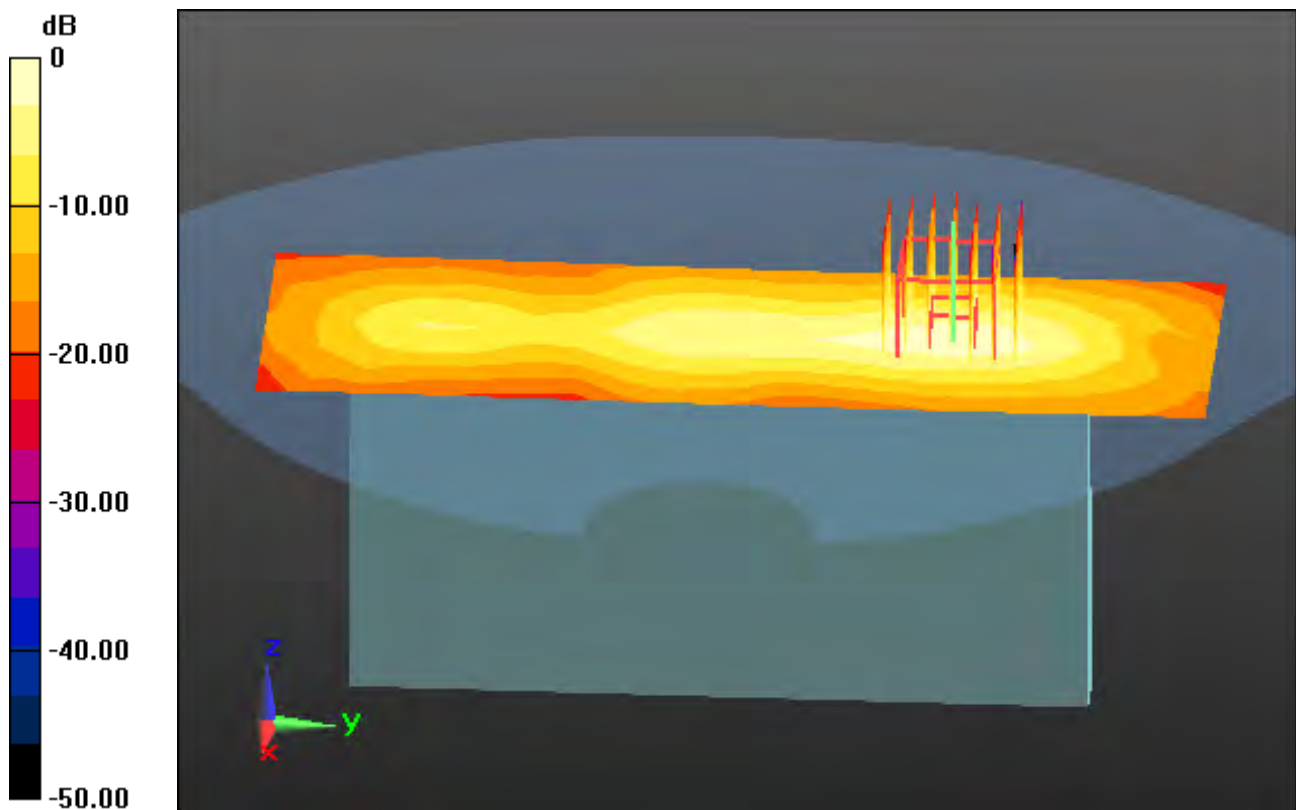
**Area Scan (7x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

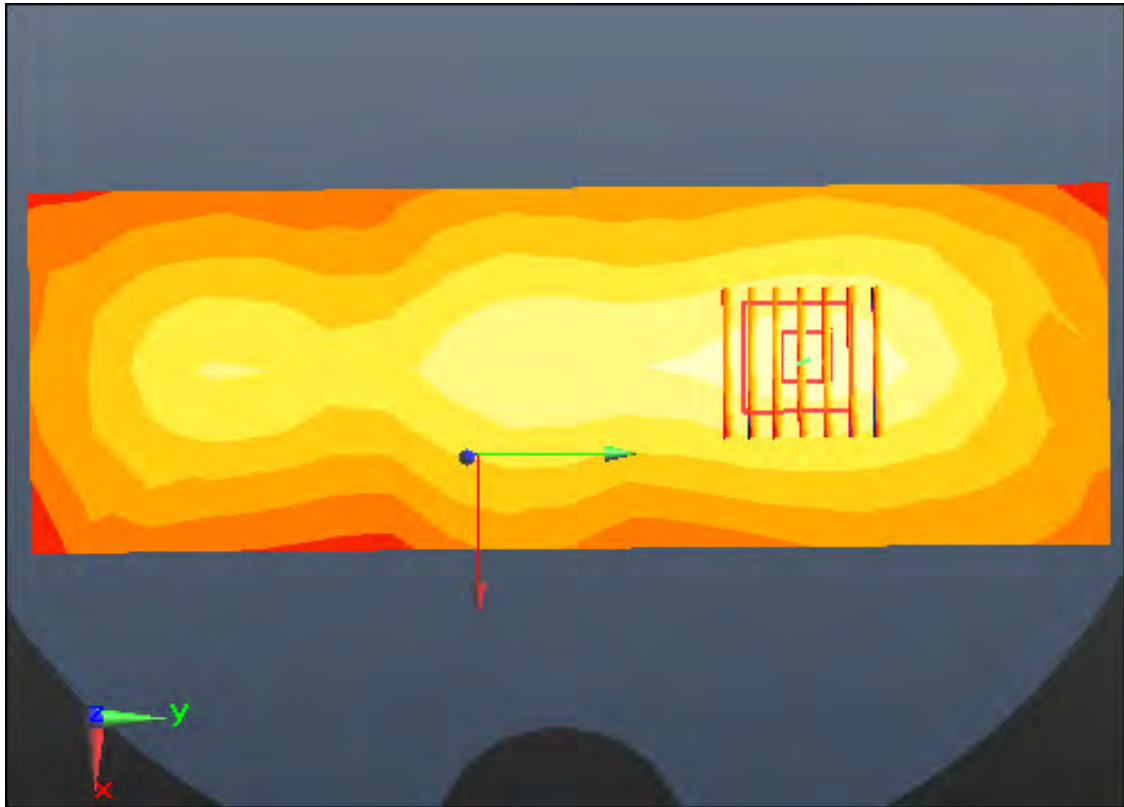
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.063 W/kg**





Enlarged Plot for A58

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220 \text{ MHz}$ ;  $\sigma = 5.175 \text{ S/m}$ ;  $\epsilon_r = 49.429$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.65, 4.65, 4.65); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-09; Ambient Temp: 20.7; Tissue Temp: 20.8

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 44, Ant Internal, Ant.1**

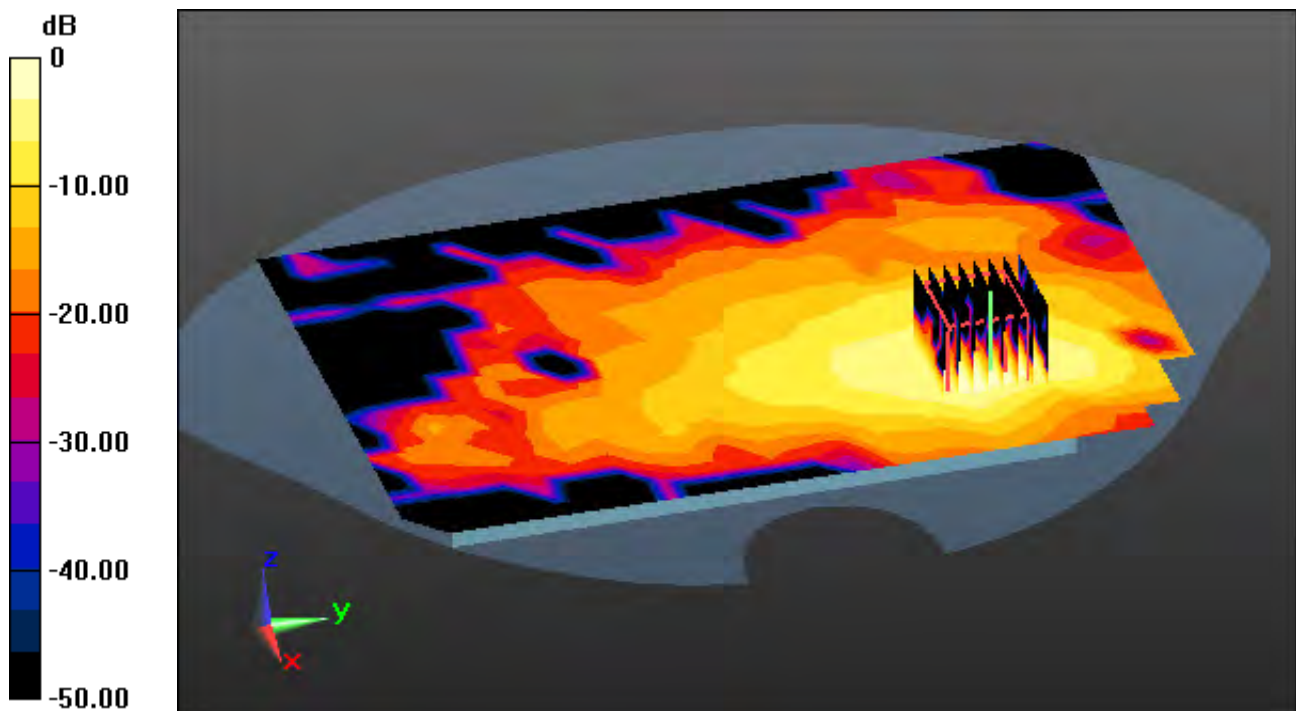
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

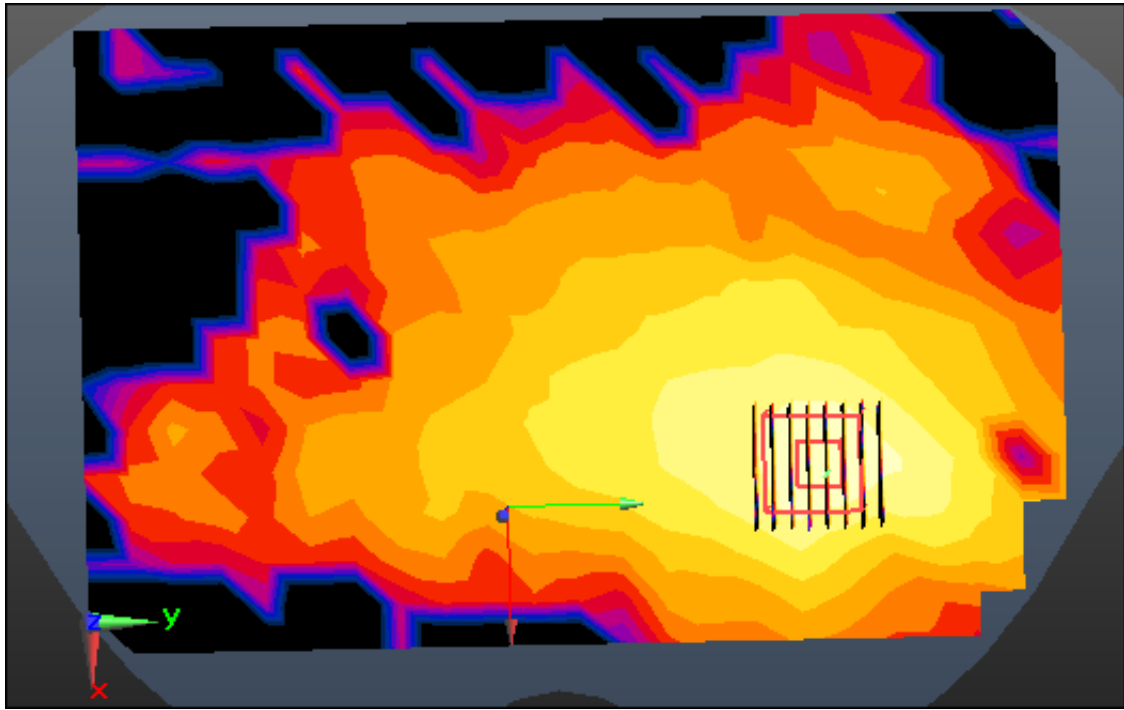
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.755 W/kg

**SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.072 W/kg**



0 dB = 0.458 W/kg



Enlarged Plot for A59

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5240 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.191 \text{ S/m}$ ;  $\epsilon_r = 49.291$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.65, 4.65, 4.65); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-09; Ambient Temp: 20.7; Tissue Temp: 20.8

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 48, Ant Internal, Ant.2**

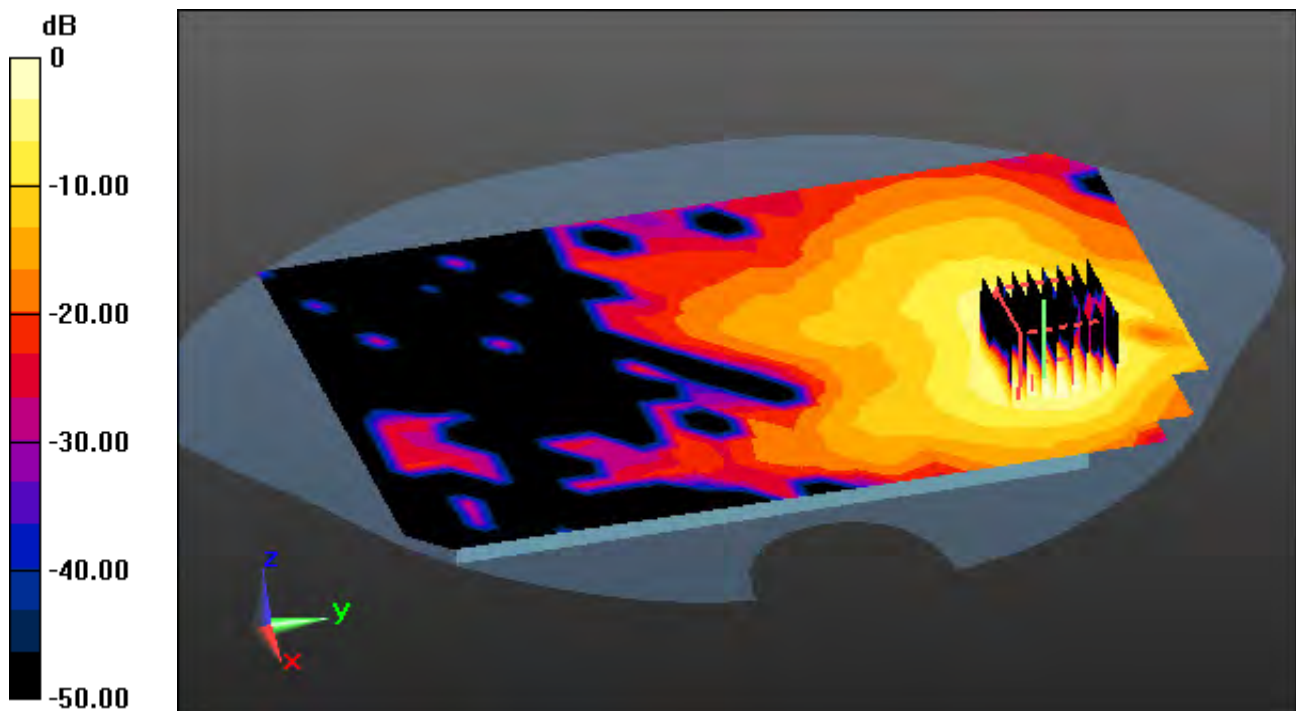
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

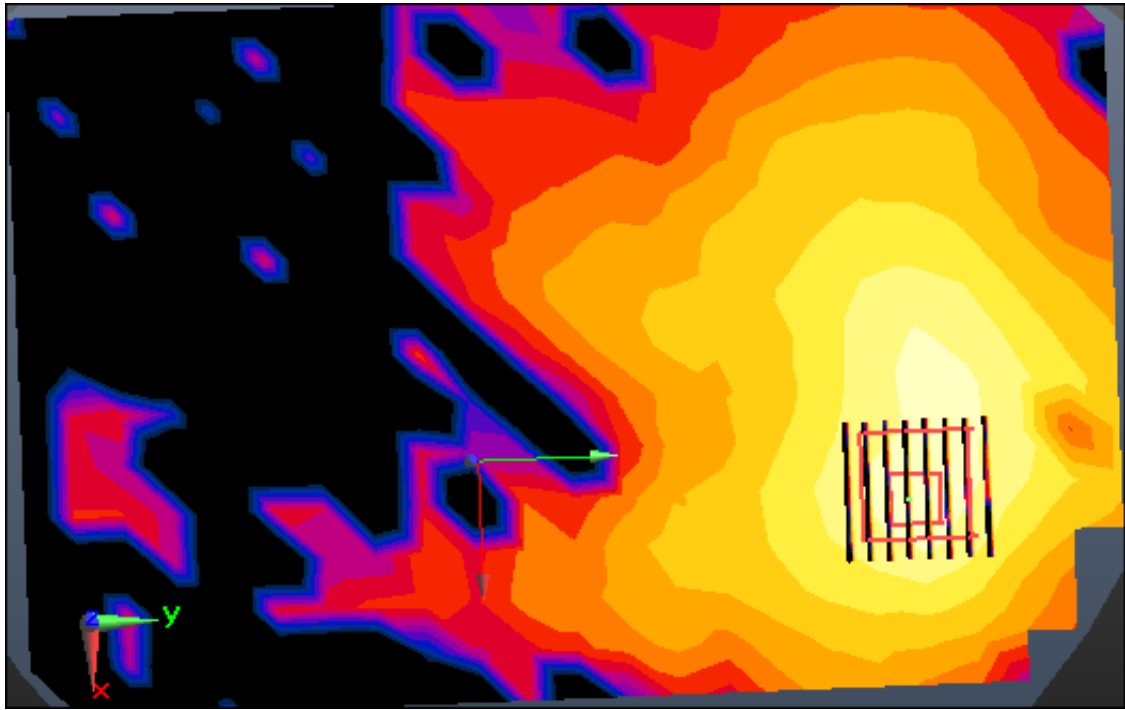
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.966 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.085 W/kg**



0 dB = 0.615 W/kg



Enlarged Plot for A60

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220 \text{ MHz}$ ;  $\sigma = 5.175 \text{ S/m}$ ;  $\epsilon_r = 49.429$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.65, 4.65, 4.65); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-09; Ambient Temp: 20.7; Tissue Temp: 20.8

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 44, Ant Internal, MIMO**

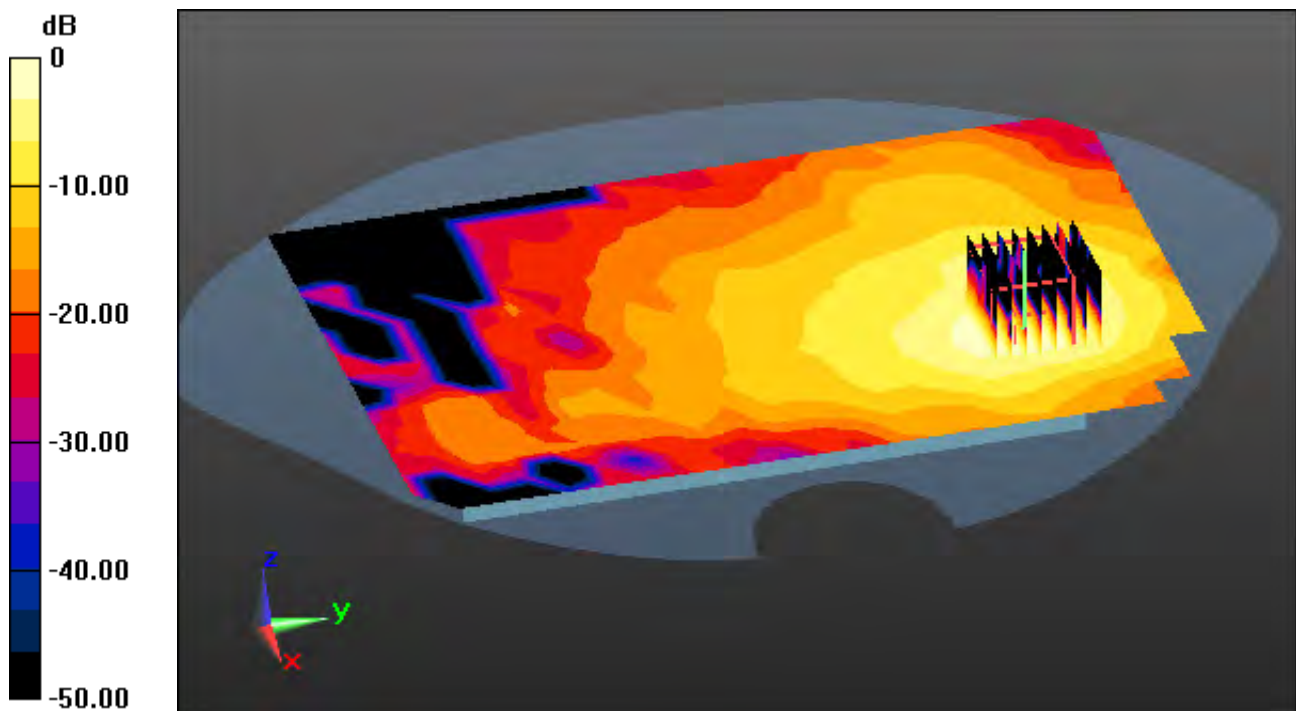
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

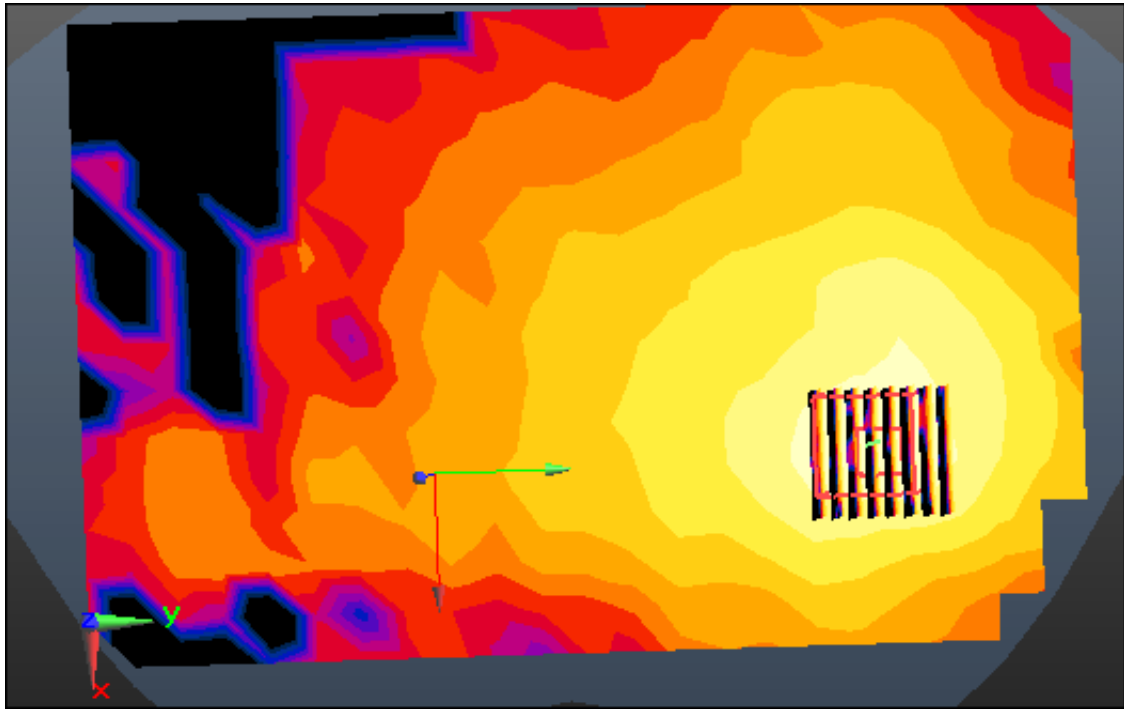
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.120 W/kg**



0 dB = 0.723 W/kg



Enlarged Plot for A61

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 6.126 \text{ S/m}$ ;  $\epsilon_r = 49.64$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 157, Ant Internal, Ant.2**

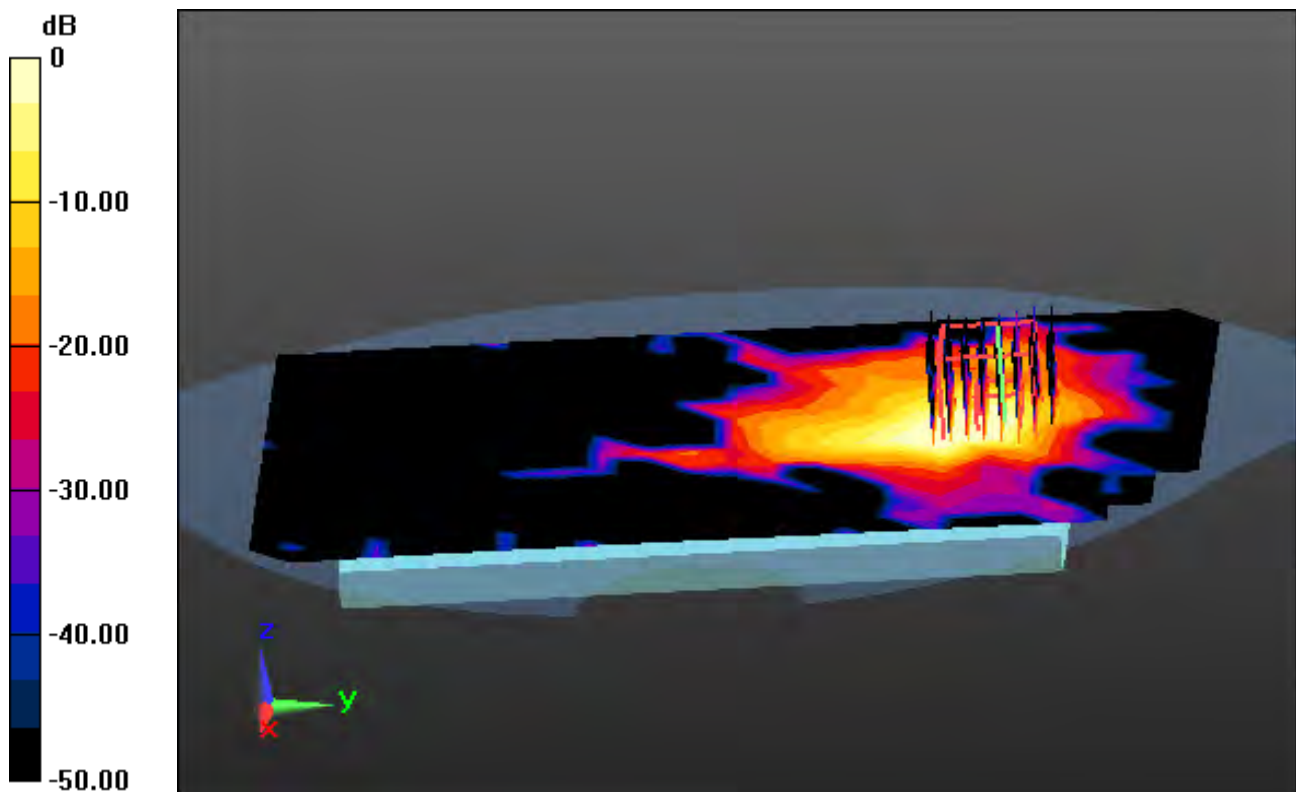
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

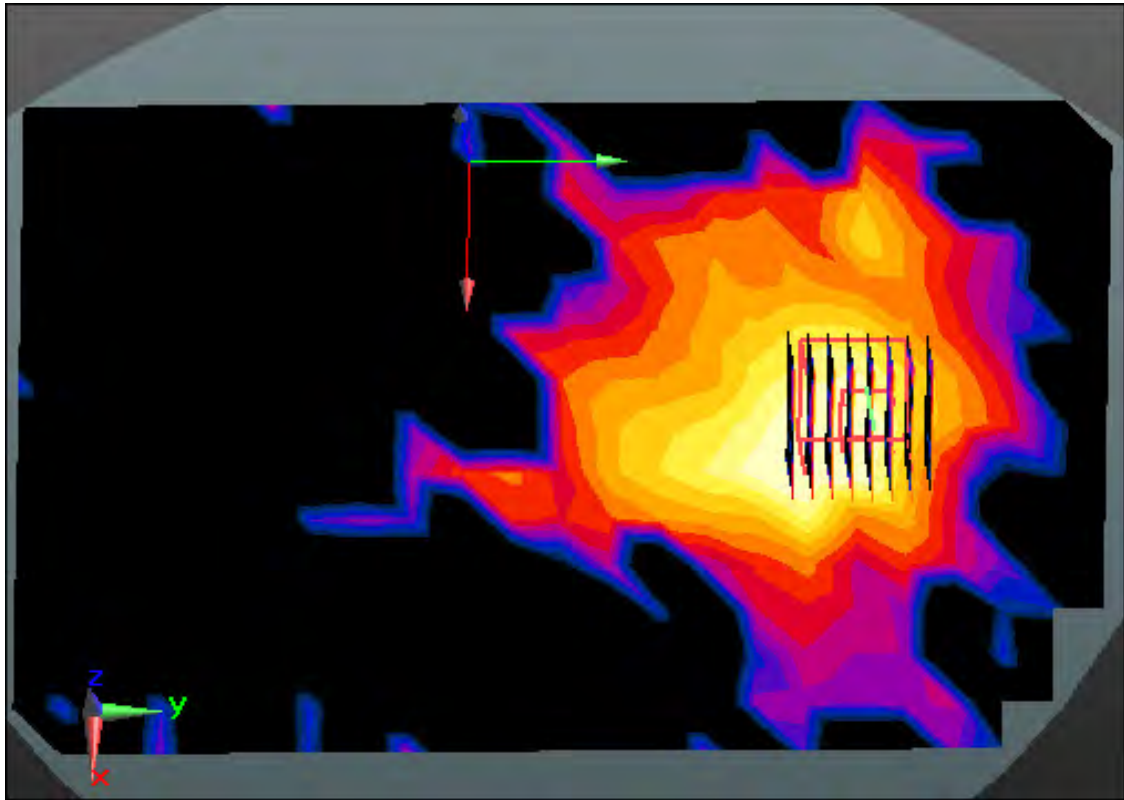
Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.058 W/kg**



0 dB = 0.498 W/kg



Enlarged Plot for A62

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 6.126 \text{ S/m}$ ;  $\epsilon_r = 49.64$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 157, Ant Internal, MIMO**

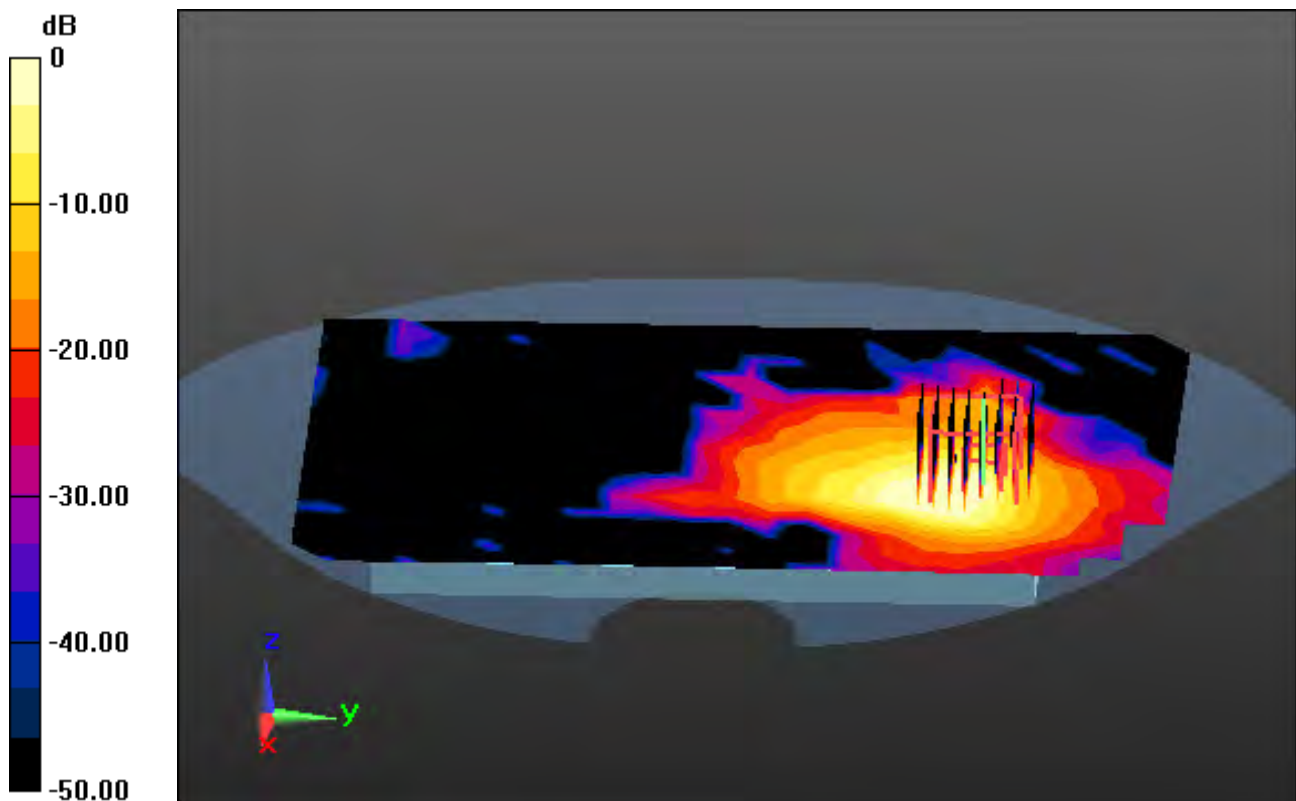
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

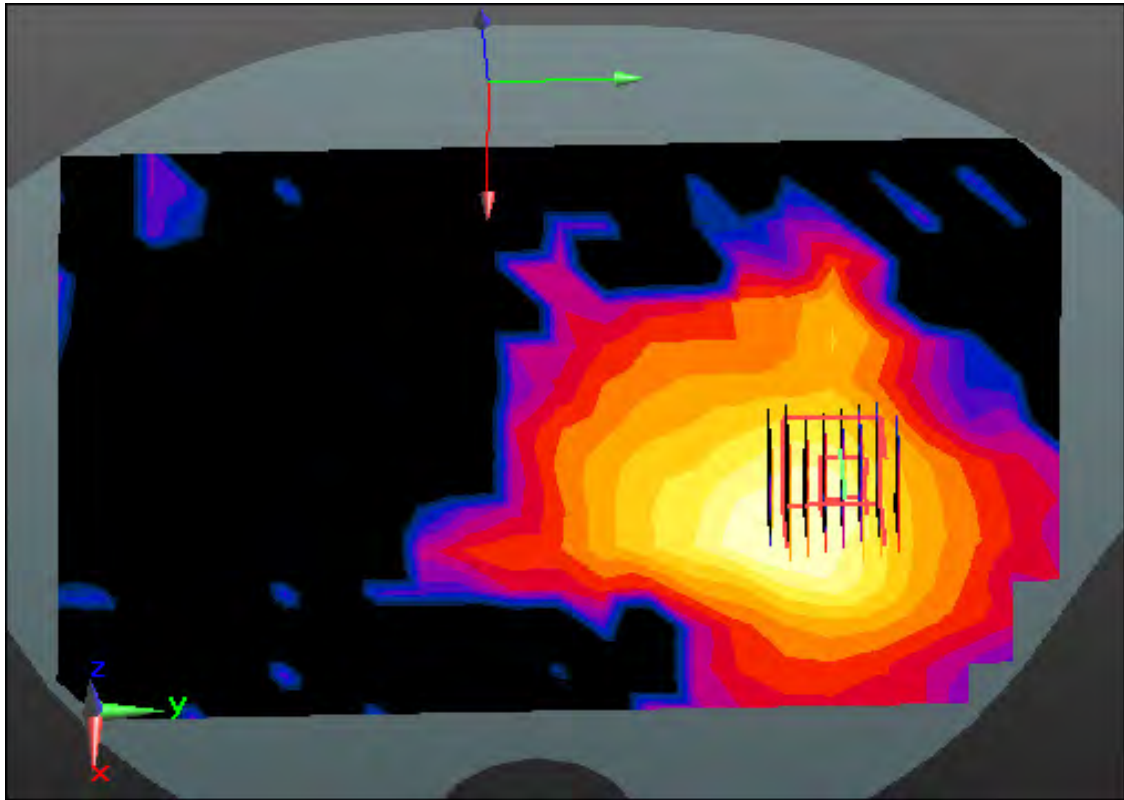
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.979 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.069 W/kg**



0 dB = 0.528 W/kg



Enlarged Plot for A63

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.514$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-07; Ambient Temp: 21.0; Tissue Temp: 21.4

**Touch from Body, Rear, WLAN(802.11a) Ch. 60, Ant Internal, Ant.1**

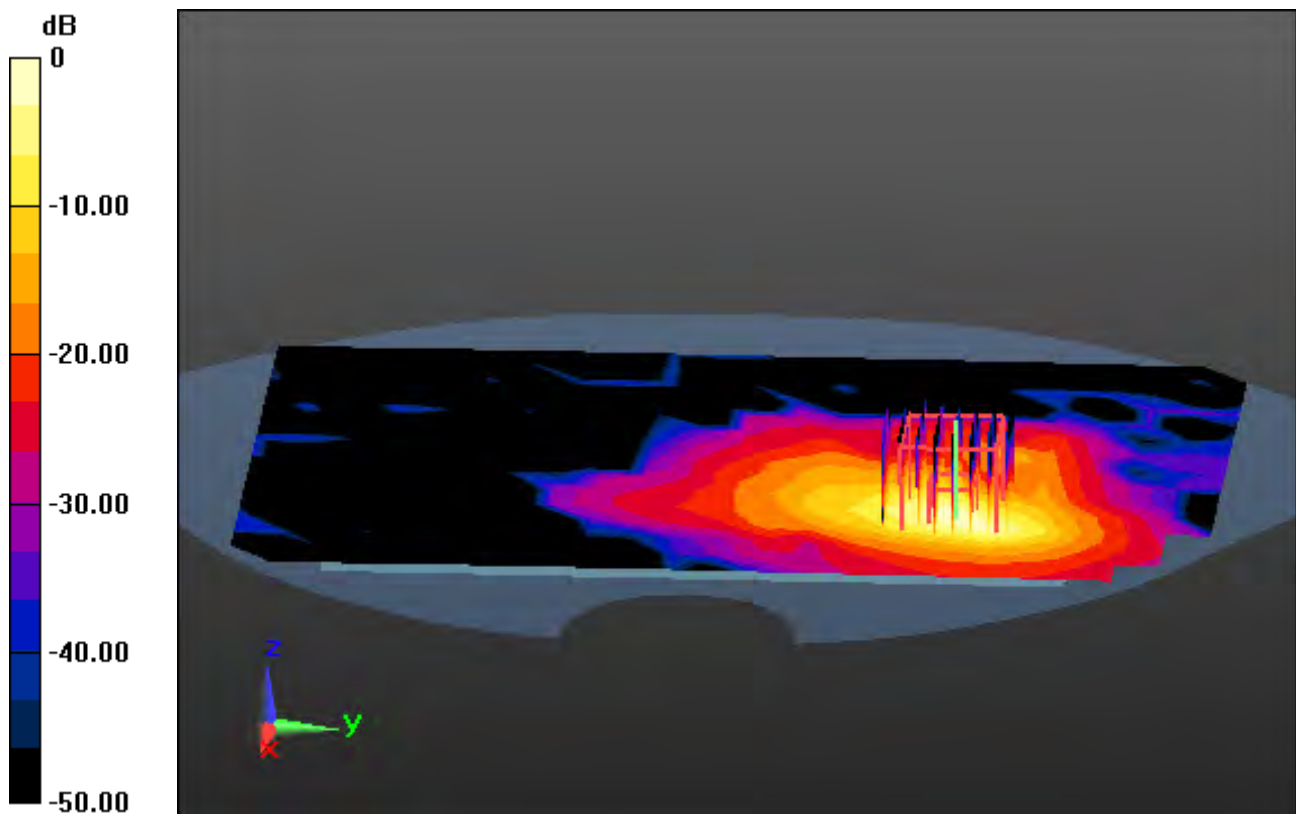
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

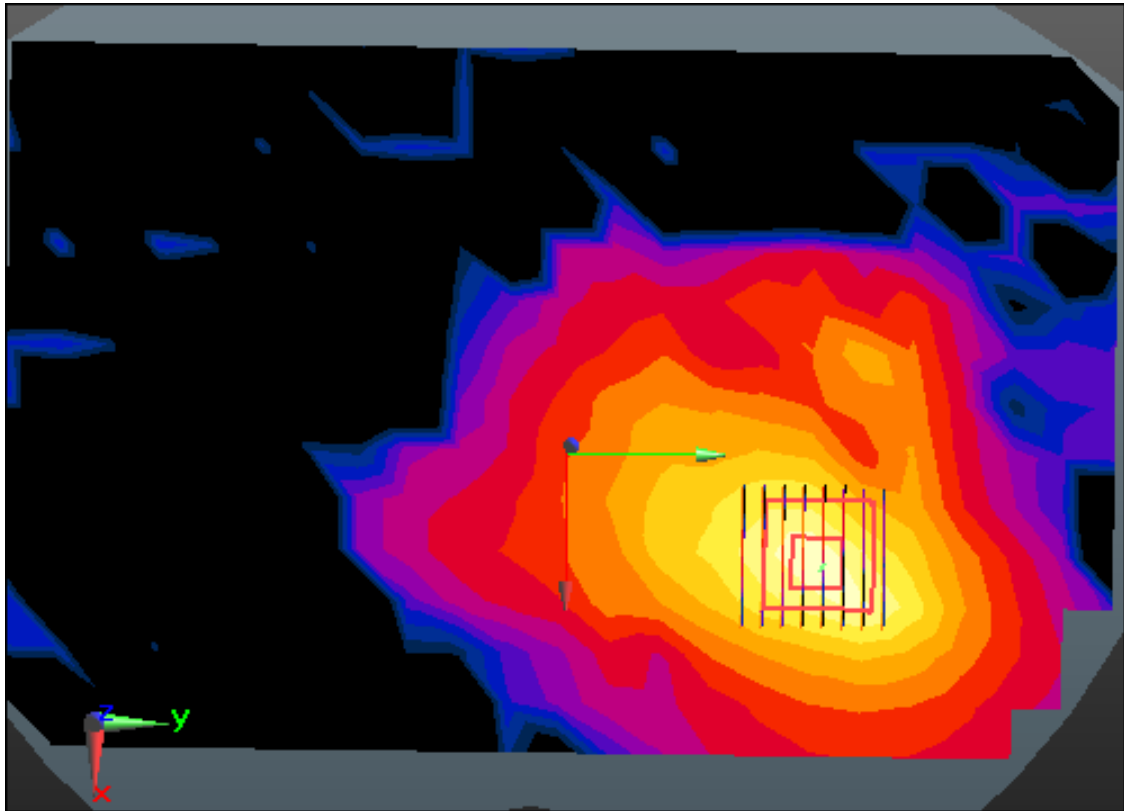
Power Drift = -0.08 dB

Peak SAR (extrapolated) = 15.6 W/kg

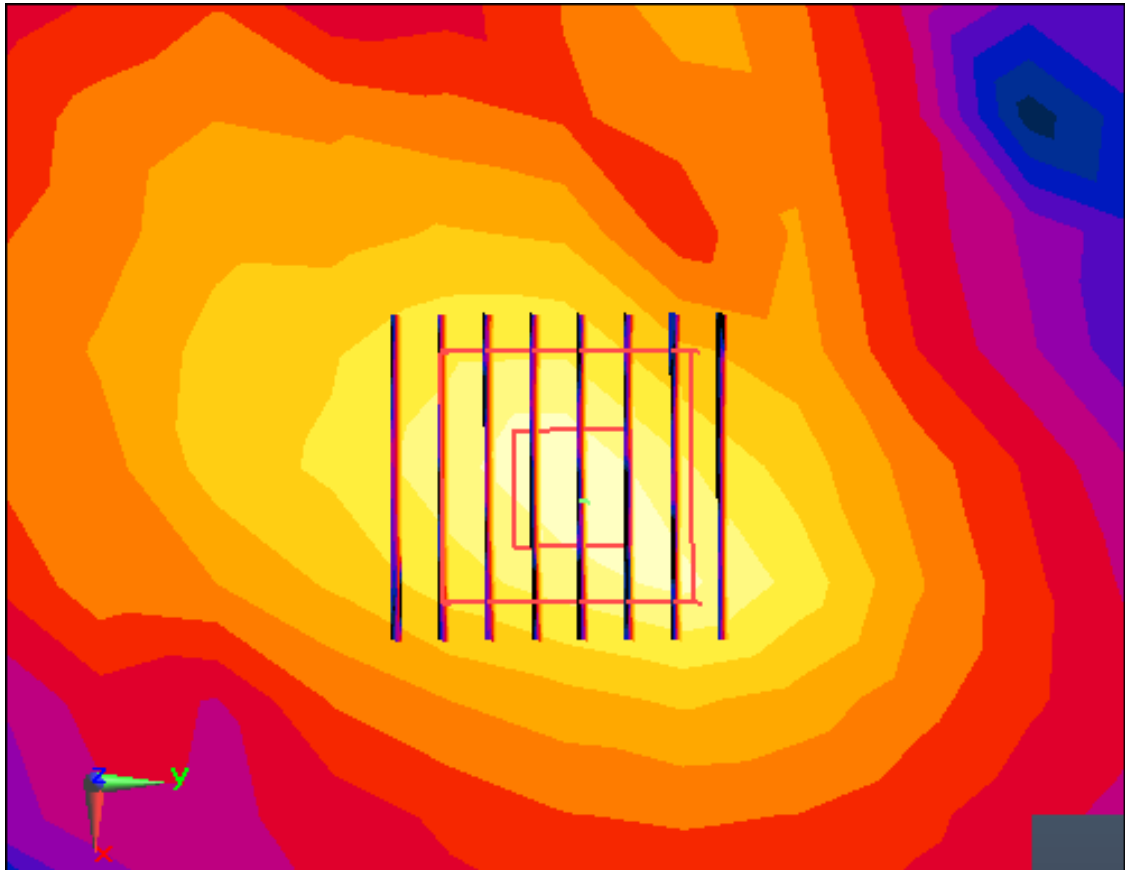
**SAR(1 g) = 2.64 W/kg; SAR(10 g) = 0.723 W/kg**



0 dB = 7.27 W/kg



Enlarged Plot for A64



Enlarged Plot for A64

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.514$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-07; Ambient Temp: 21.0; Tissue Temp: 21.4

**Touch from Body, Rear, WLAN(802.11a) Ch. 60, Ant Internal, Ant.2**

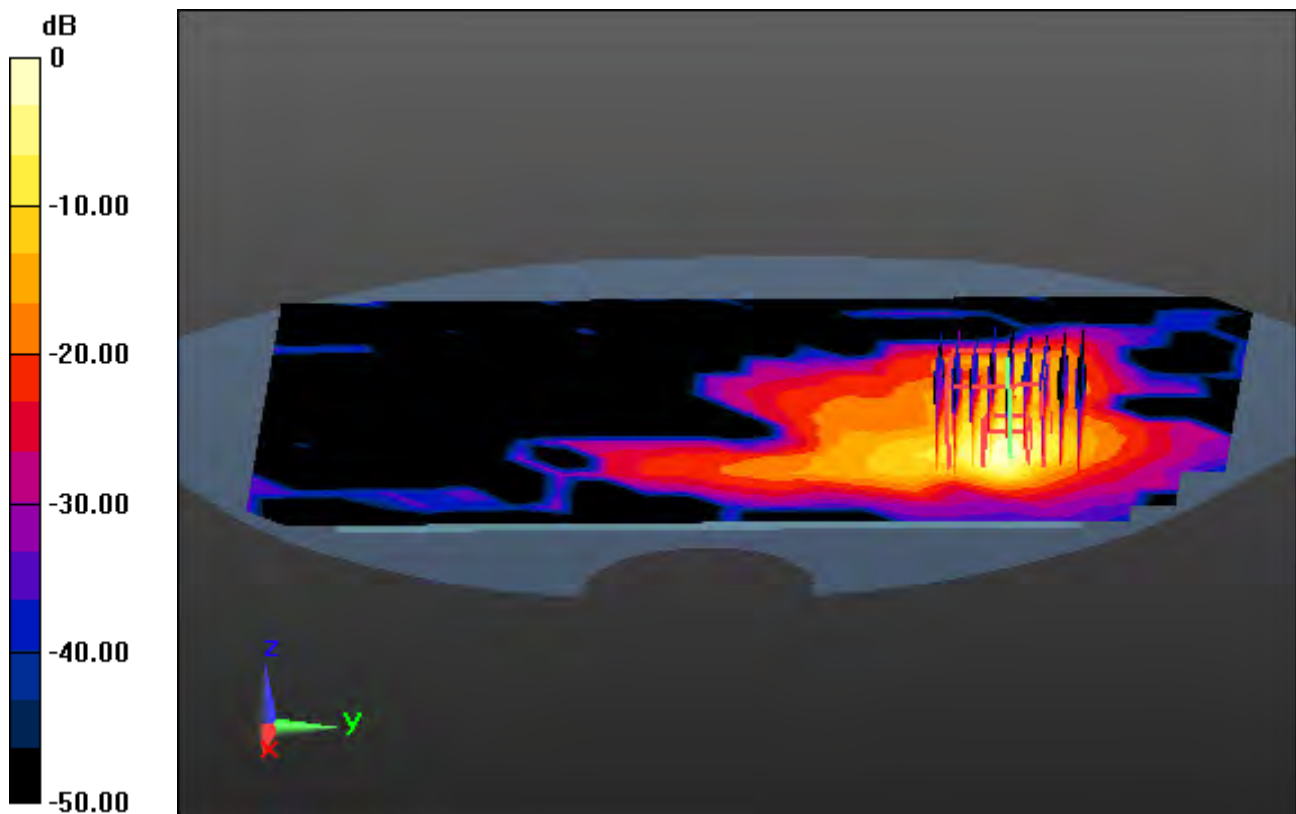
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

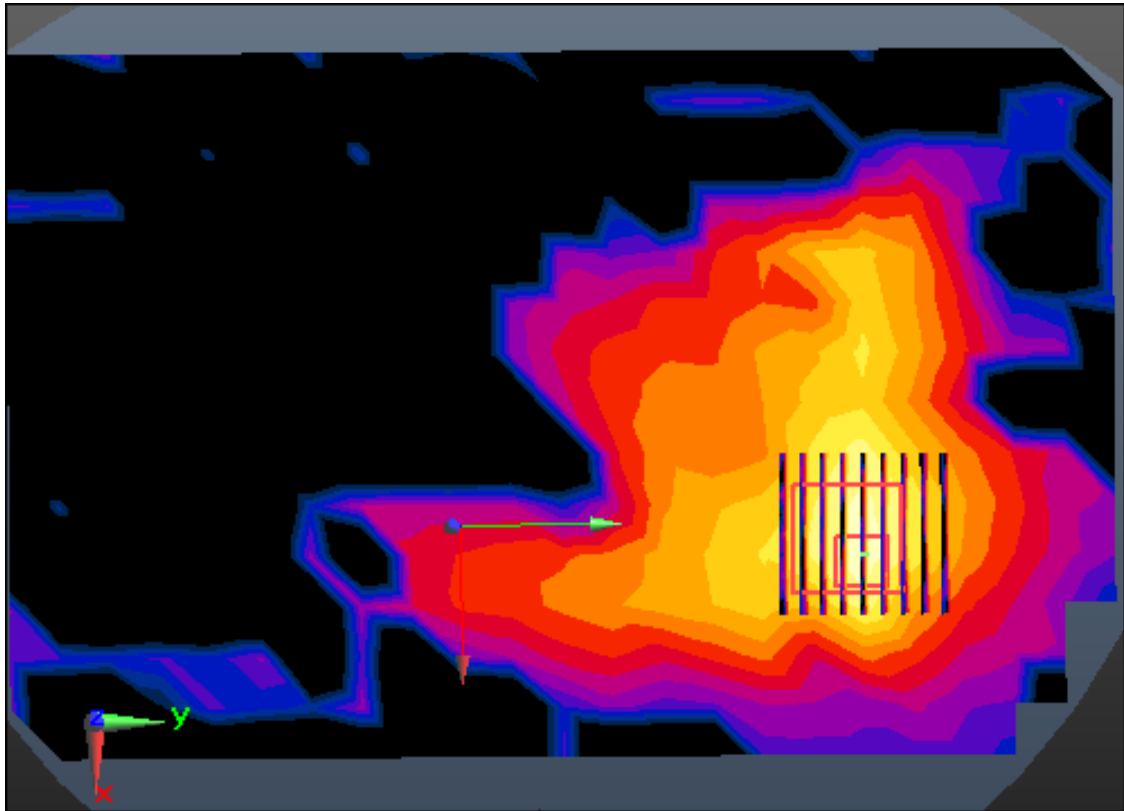
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 10.7 W/kg

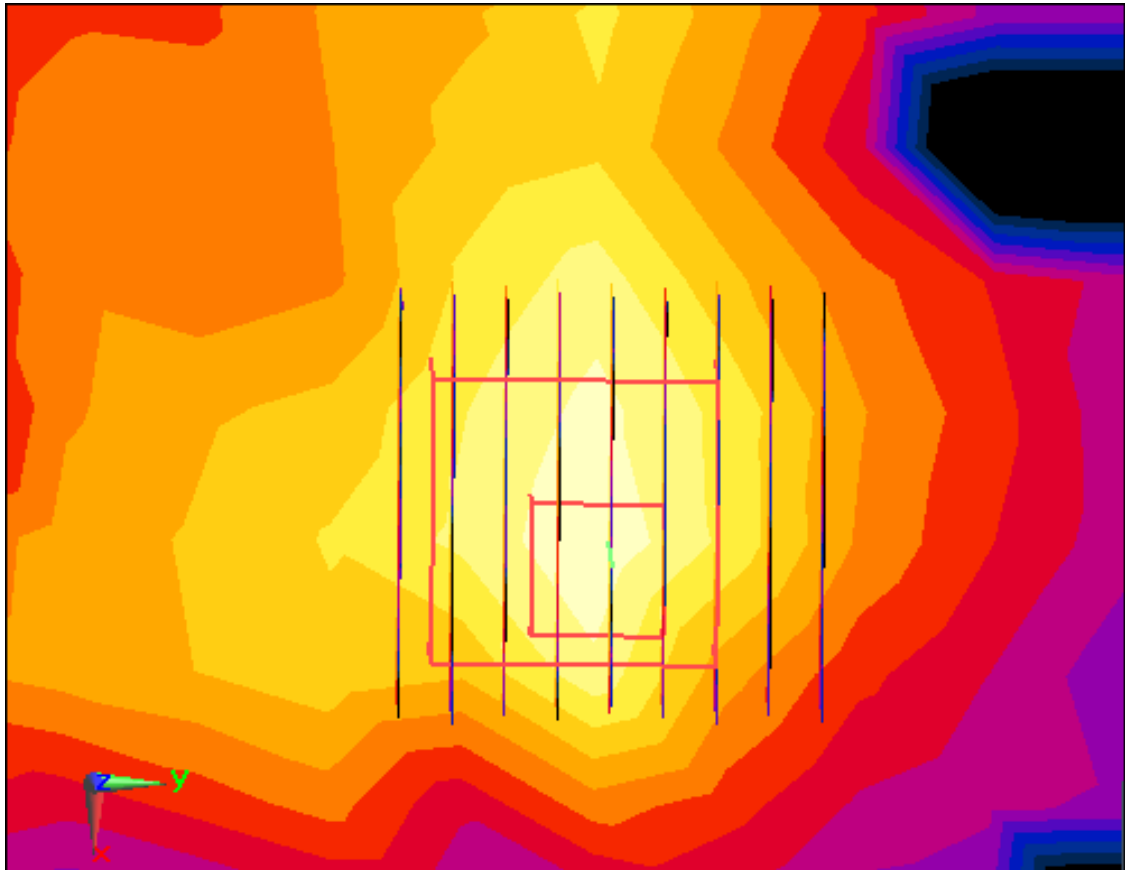
**SAR(1 g) = 2.05 W/kg; SAR(10 g) = 0.551 W/kg**



0 dB = 5.82 W/kg



Enlarged Plot for A65



Enlarged Plot for A65

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.514$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-07; Ambient Temp: 21.0; Tissue Temp: 21.4

**Touch from Body, Rear, WLAN(802.11a) Ch. 60, Ant Internal, MIMO**

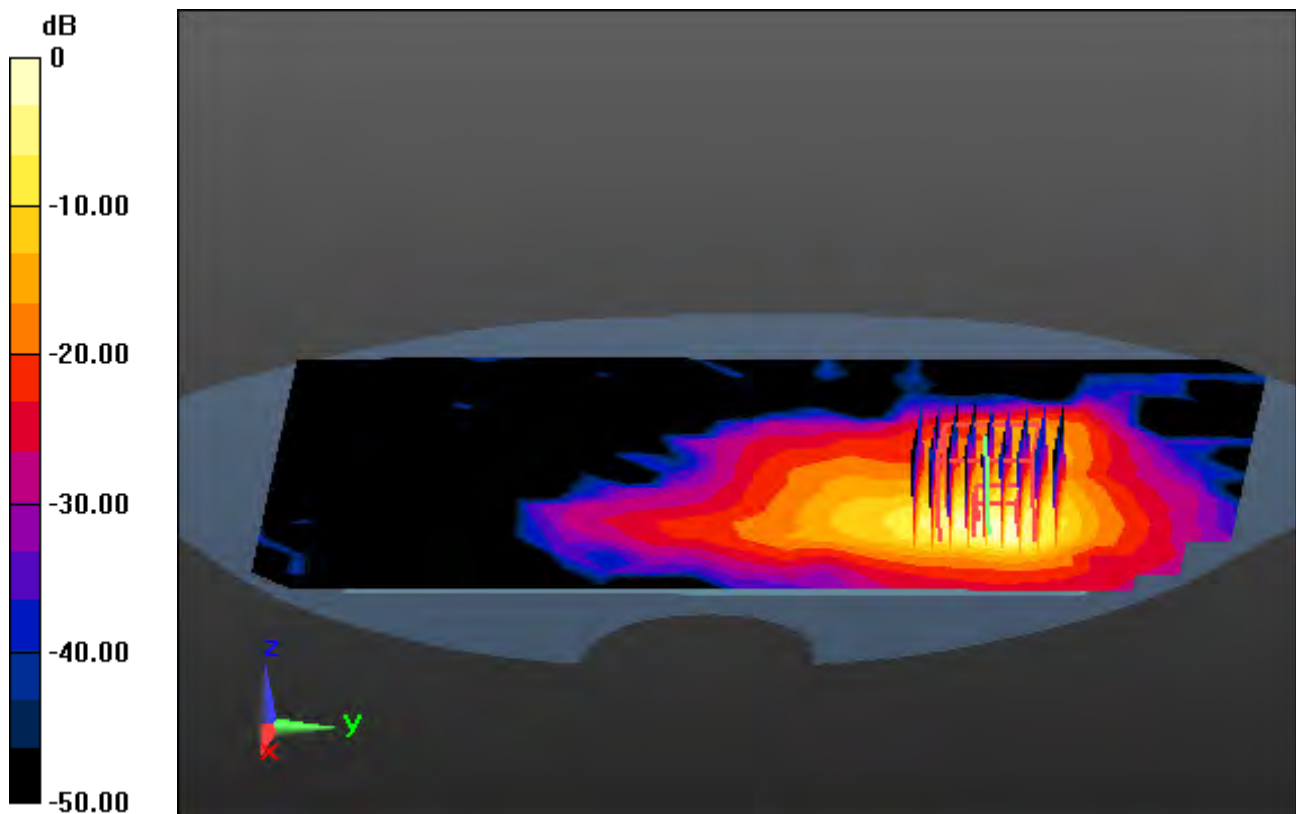
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

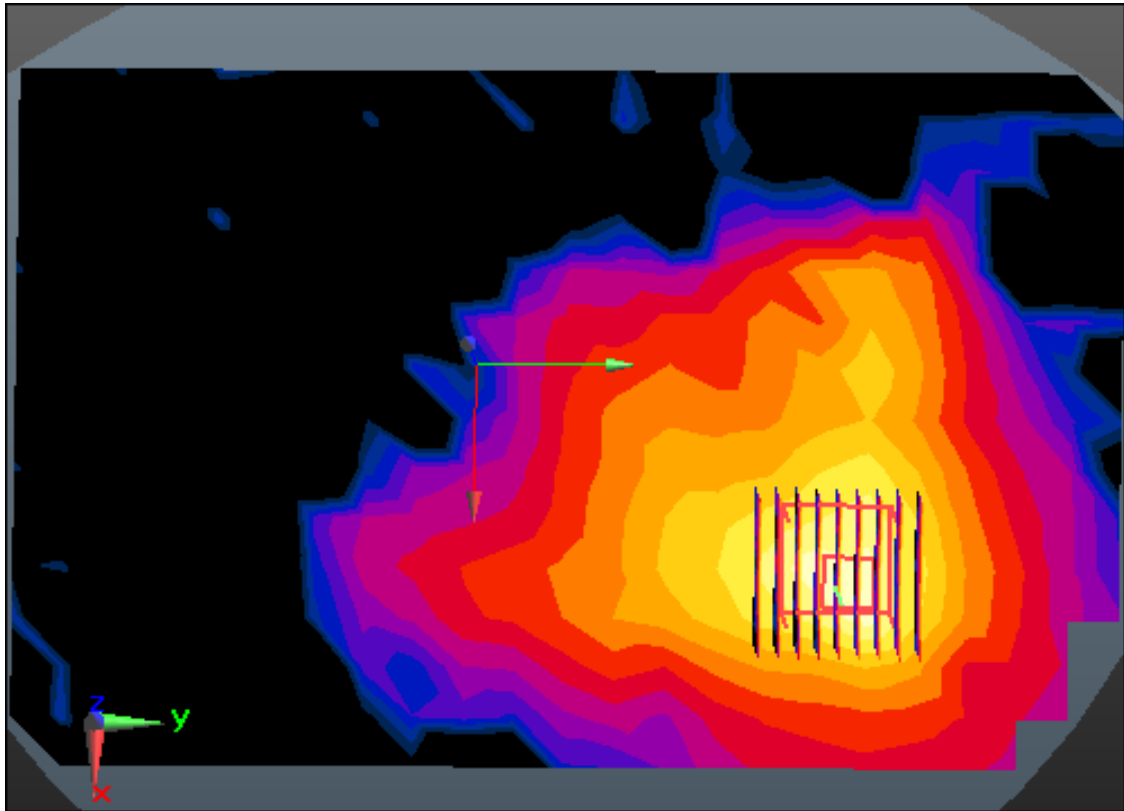
Power Drift = -0.15 dB

Peak SAR (extrapolated) = 22.1 W/kg

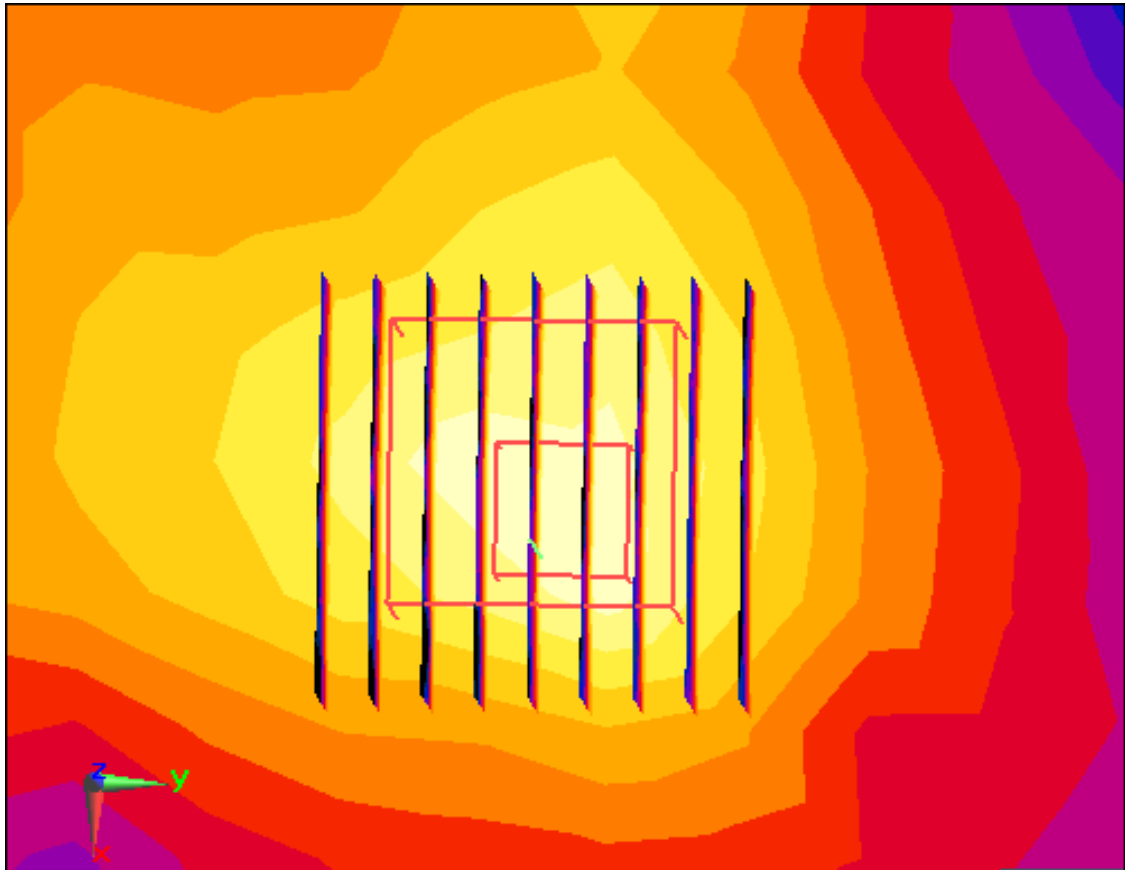
**SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.16 W/kg**



0 dB = 10.2 W/kg



Enlarged Plot for A66



Enlarged Plot for A66

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5500 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.692 \text{ S/m}$ ;  $\epsilon_r = 49.784$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.3, 4.3, 4.3); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

**Touch from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, Ant.1**

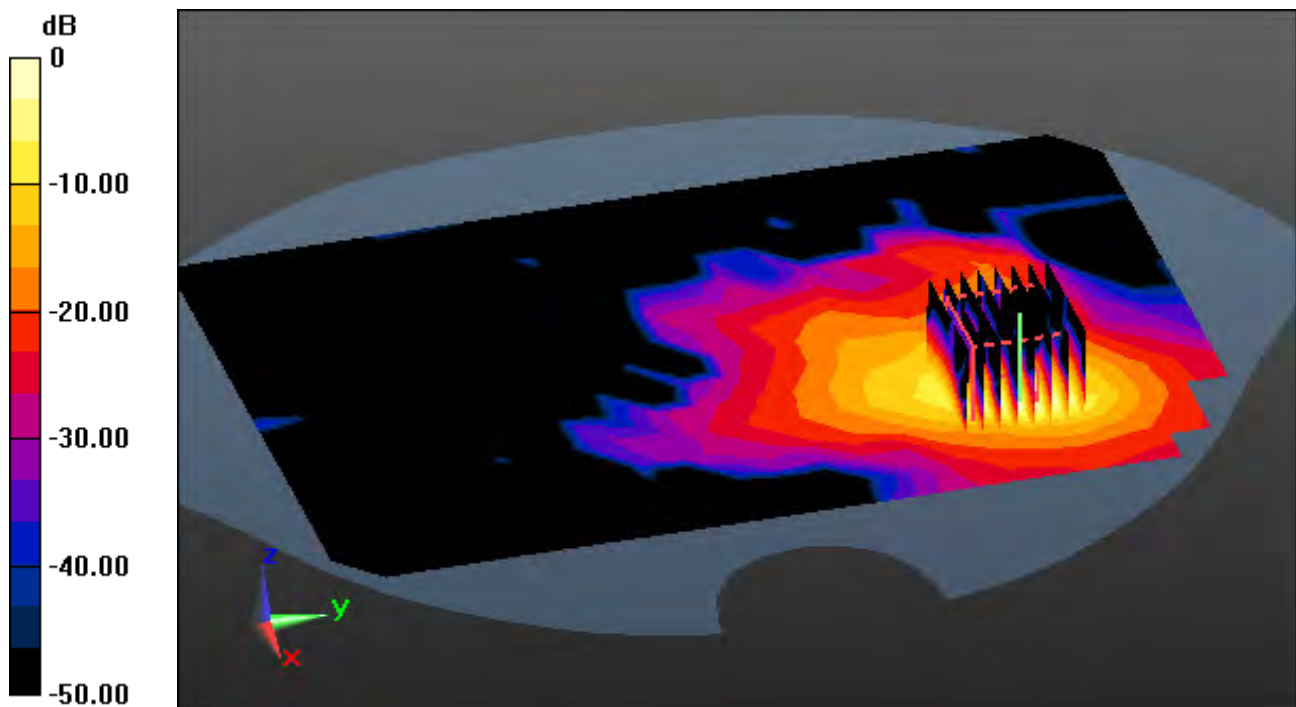
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

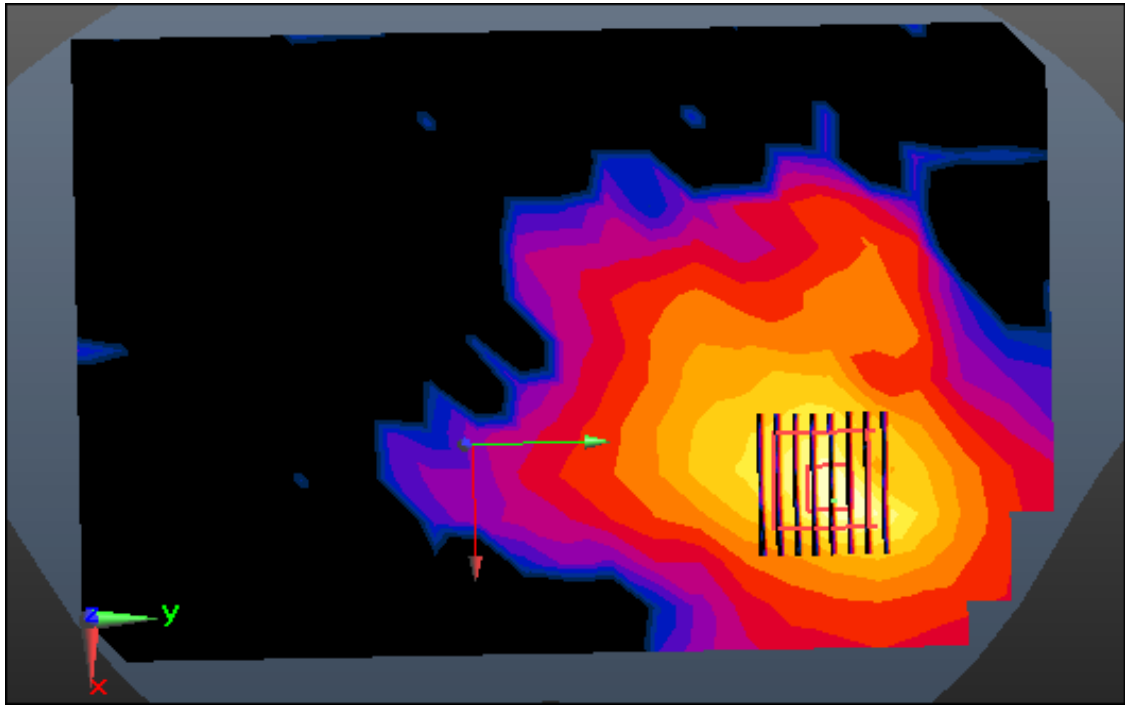
Power Drift = -0.13 dB

Peak SAR (extrapolated) = 19.6 W/kg

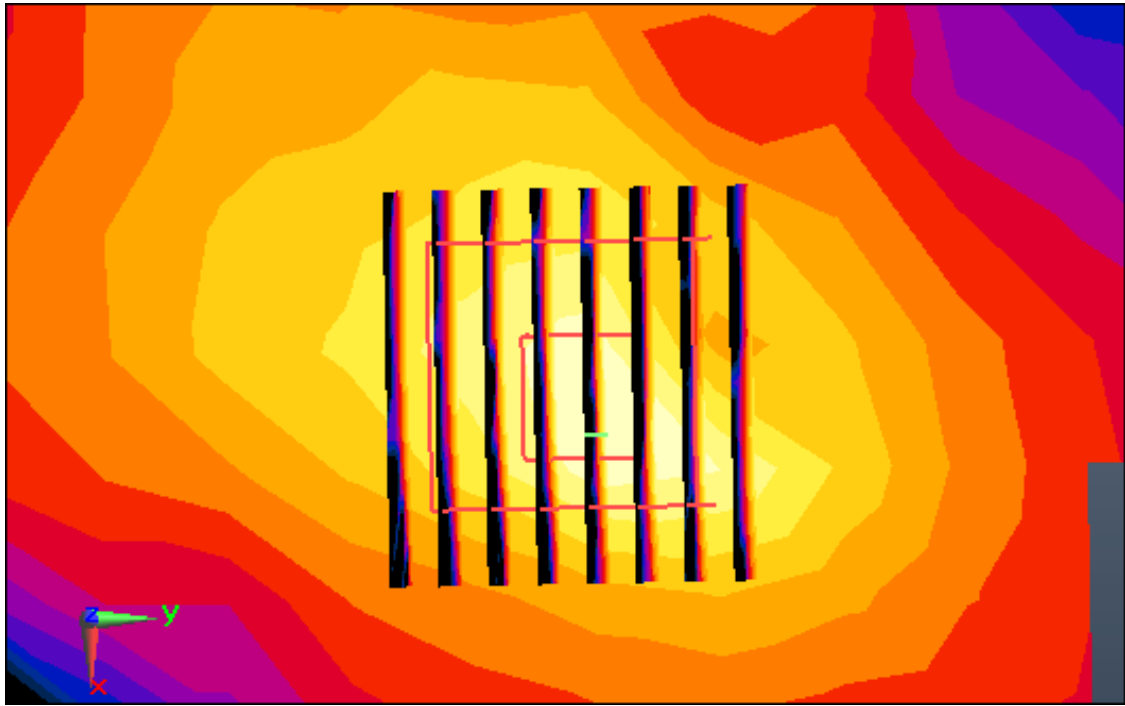
**SAR(1 g) = 2.7 W/kg; SAR(10 g) = 0.739 W/kg**



0 dB = 8.76 W/kg



Enlarged Plot for A67



Enlarged Plot for A67

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5720 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 5.965 \text{ S/m}$ ;  $\epsilon_r = 48.586$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.1, 4.1, 4.1); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

**Touch from Body, Rear, WLAN(802.11a) Ch. 144, Ant Internal, Ant.2**

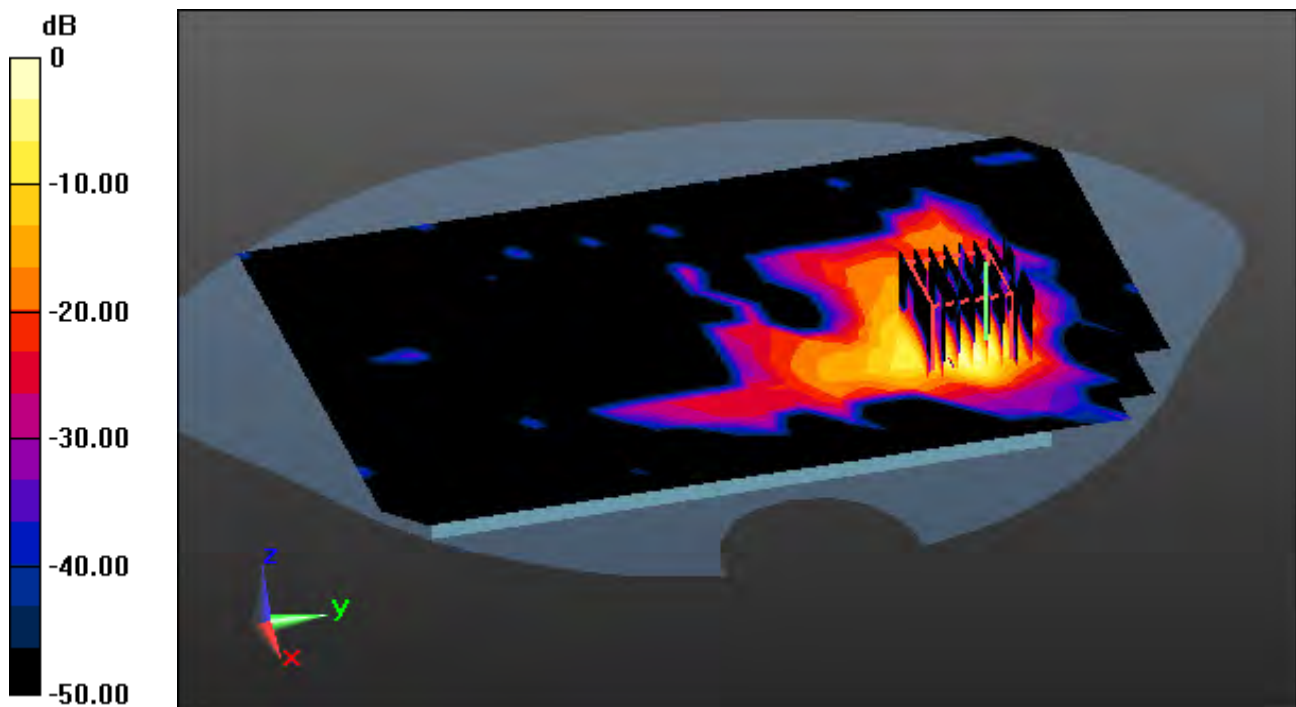
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

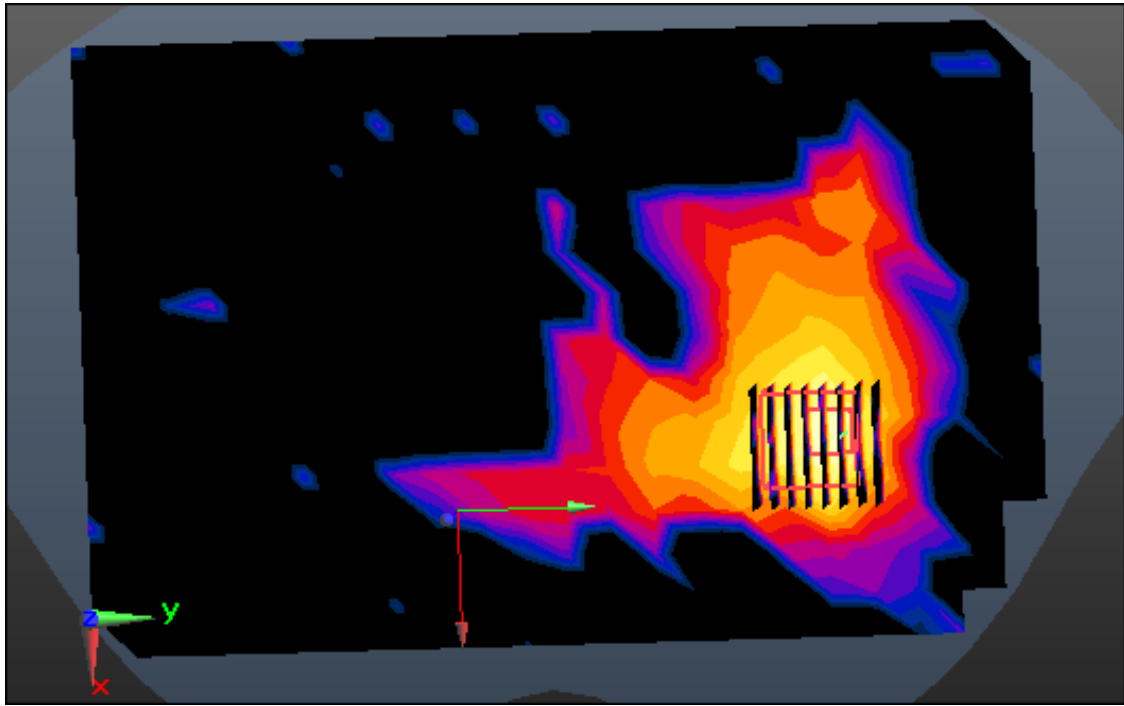
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.04 W/kg

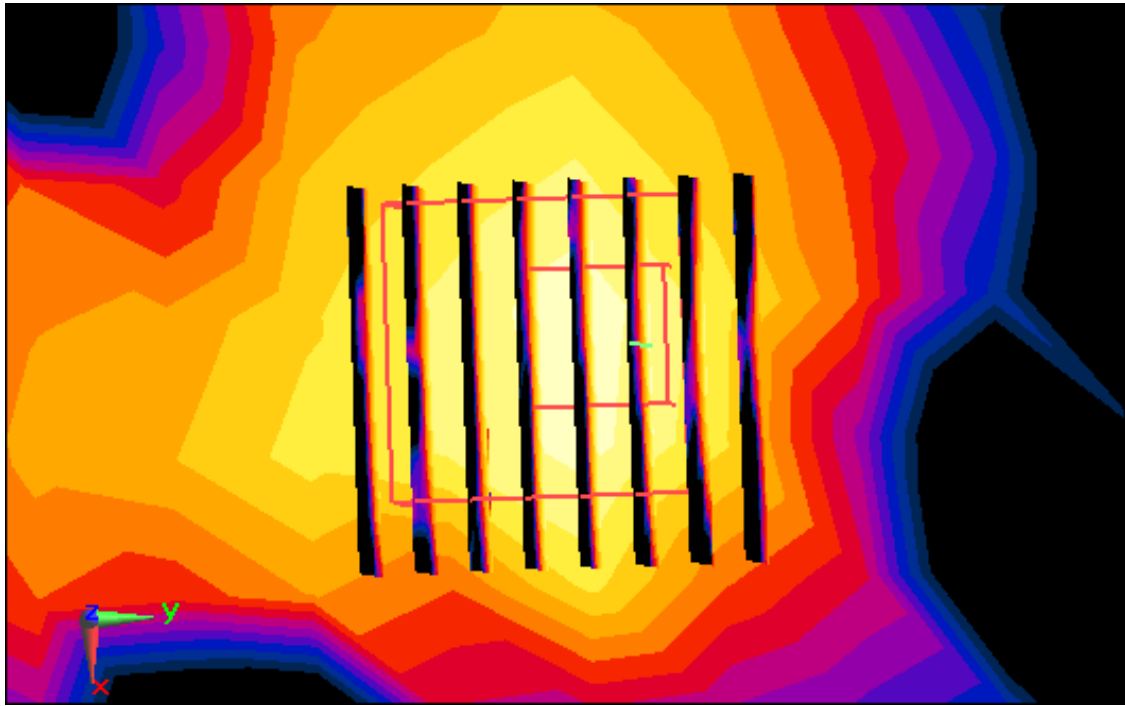
**SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.352 W/kg**



0 dB = 3.64 W/kg



Enlarged Plot for A68



Enlarged Plot for A68

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5720 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 5.965 \text{ S/m}$ ;  $\epsilon_r = 48.586$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.1, 4.1, 4.1); Calibrated: 11/18/2019; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (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: 2019-12-10; Ambient Temp: 20.1; Tissue Temp: 20.4

**Touch from Body, Rear, WLAN(802.11a) Ch. 144, Ant Internal, MIMO**

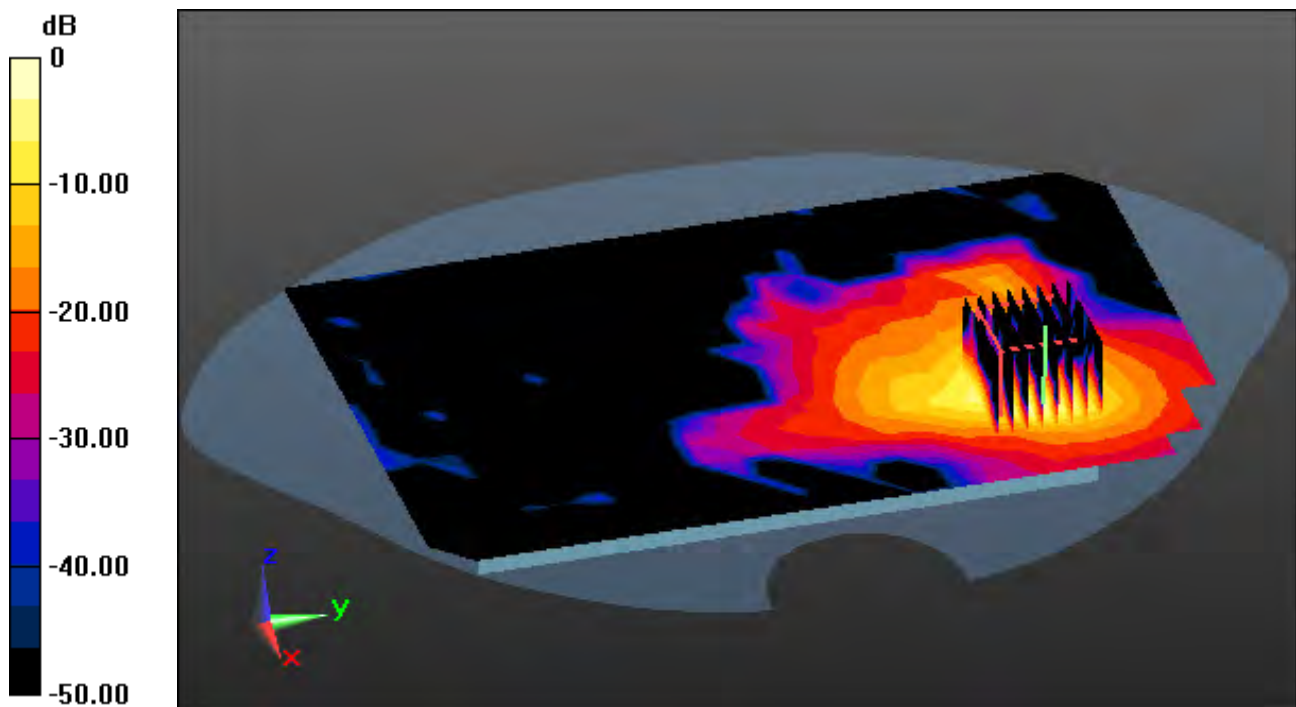
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

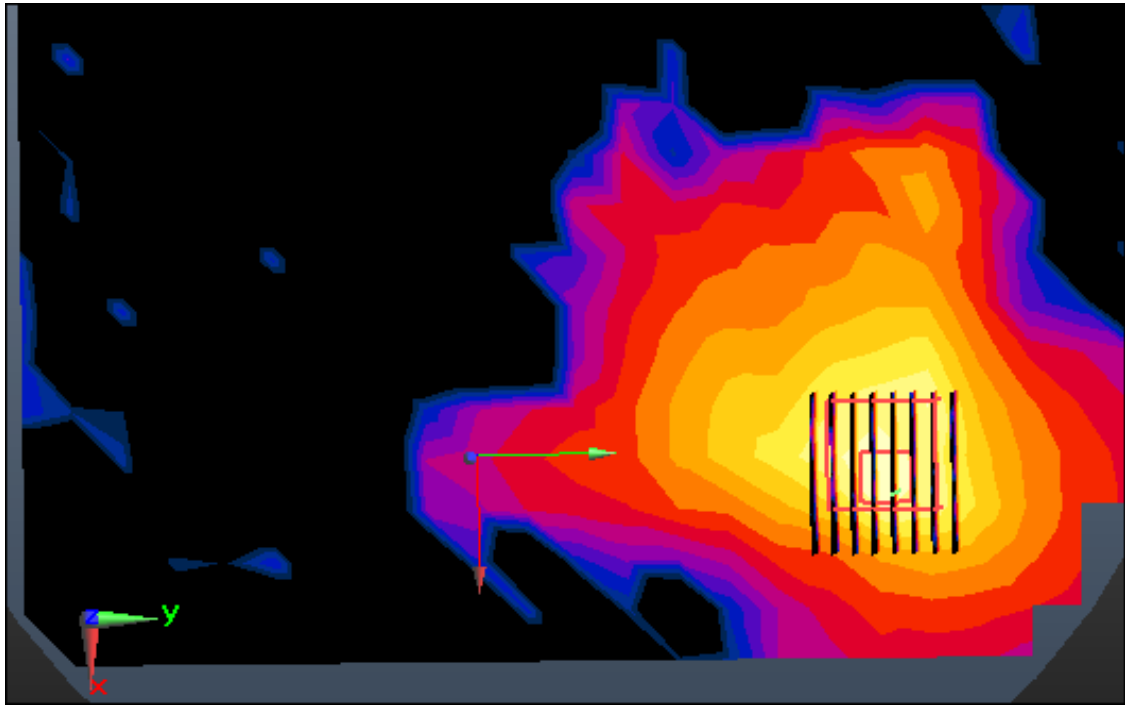
Power Drift = -0.01 dB

Peak SAR (extrapolated) = 12.3 W/kg

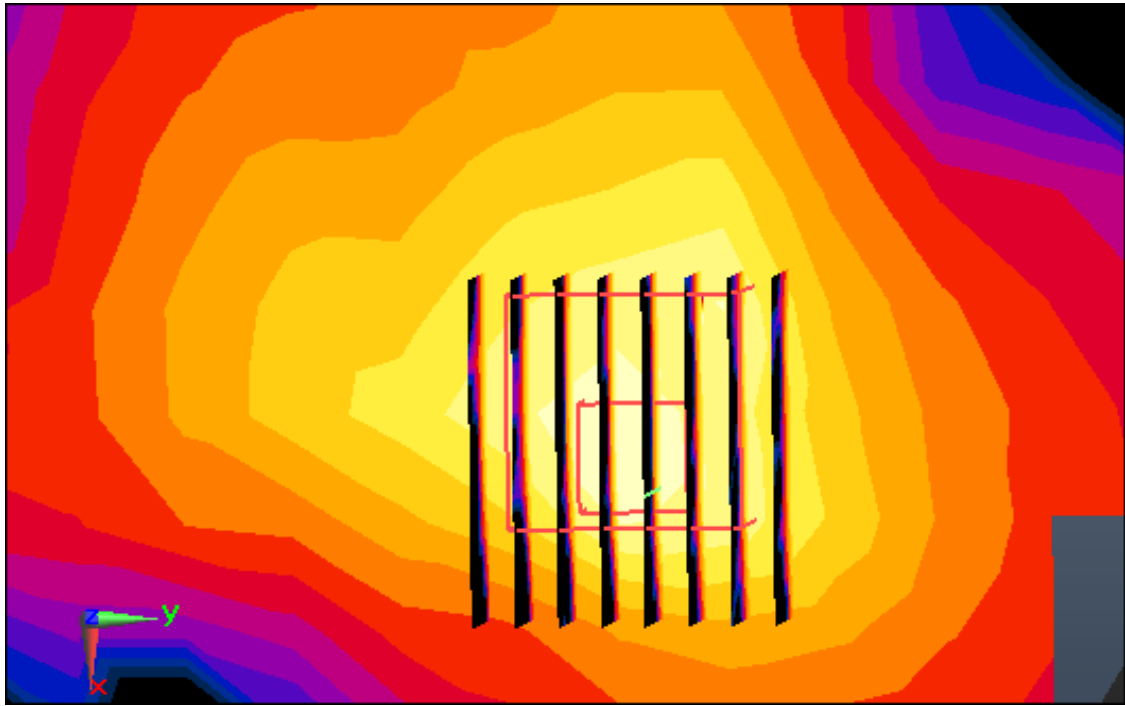
**SAR(1 g) = 1.89 W/kg; SAR(10 g) = 0.632 W/kg**



0 dB = 6.21 W/kg



Enlarged Plot for A69



Enlarged Plot for A69

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.17 \text{ S/m}$ ;  $\epsilon_r = 49.518$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.1**

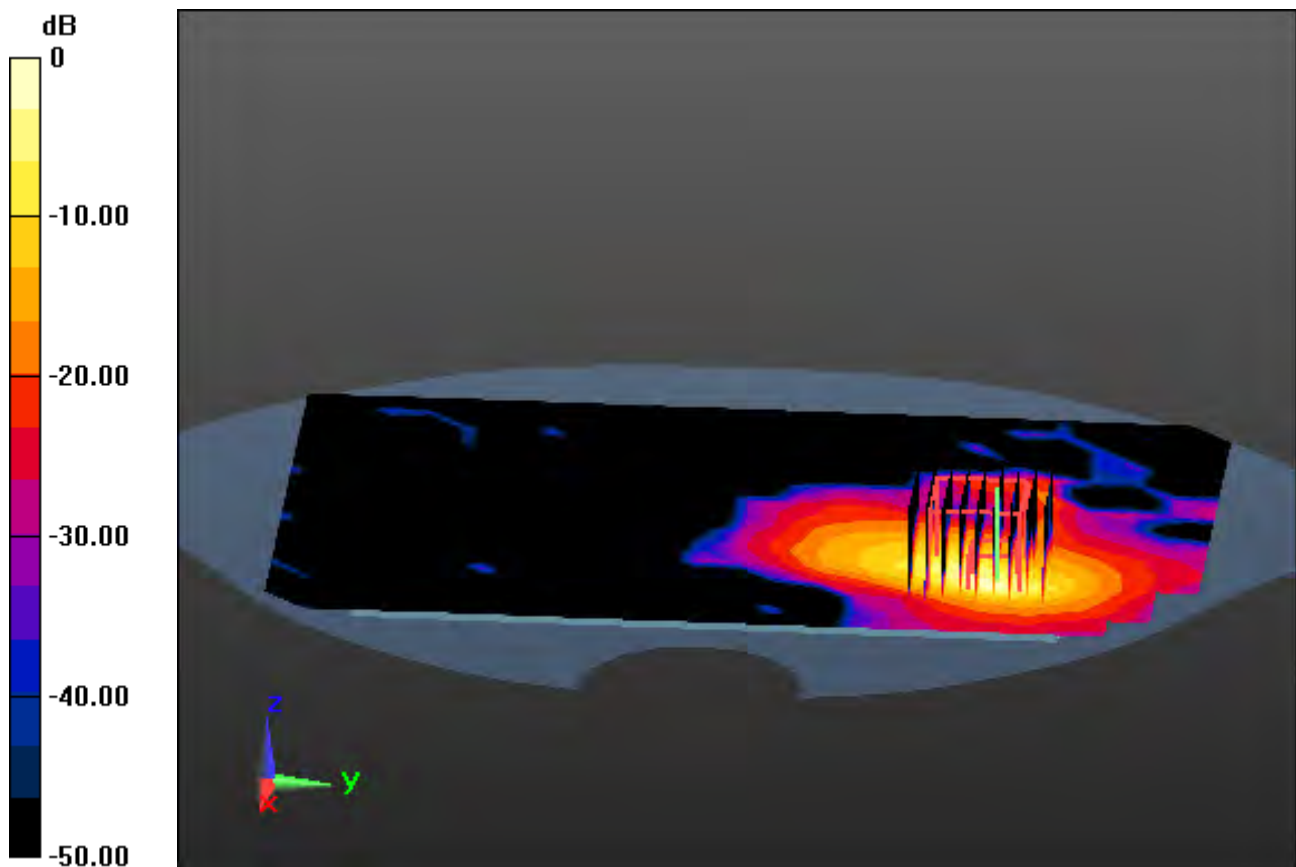
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

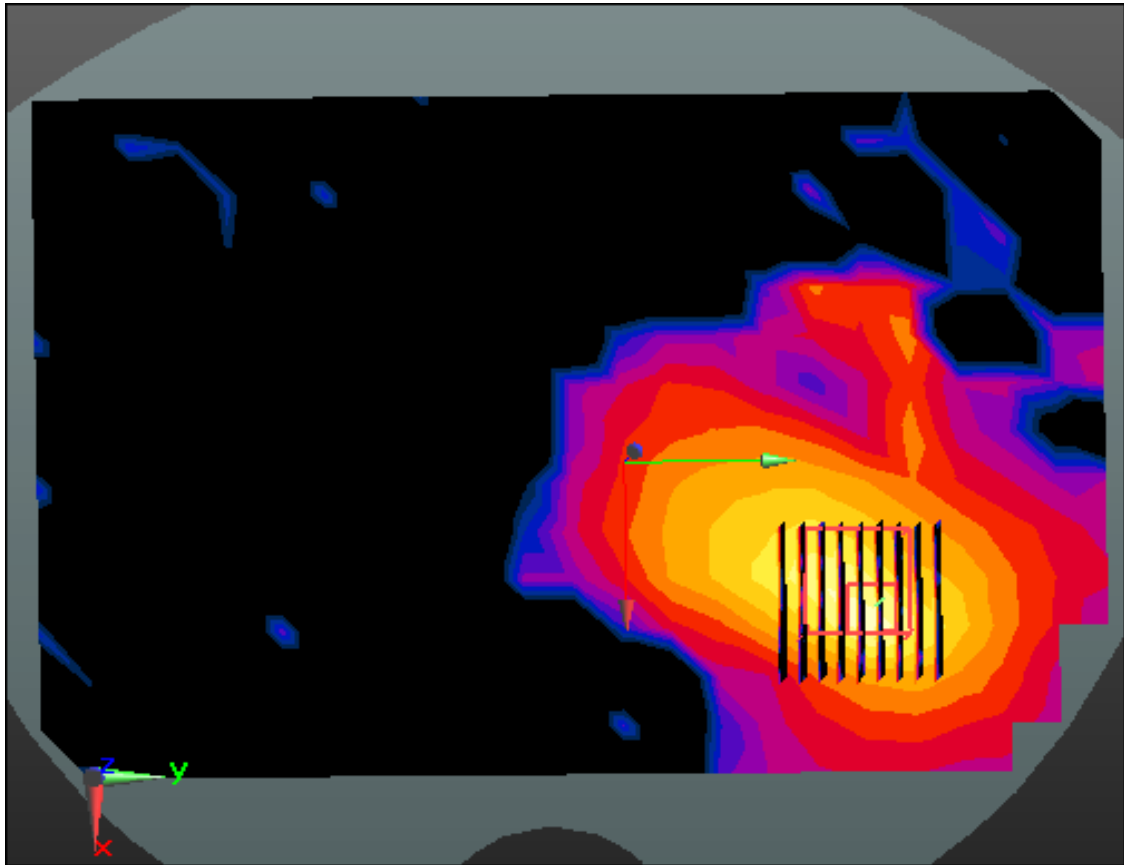
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 14.2 W/kg

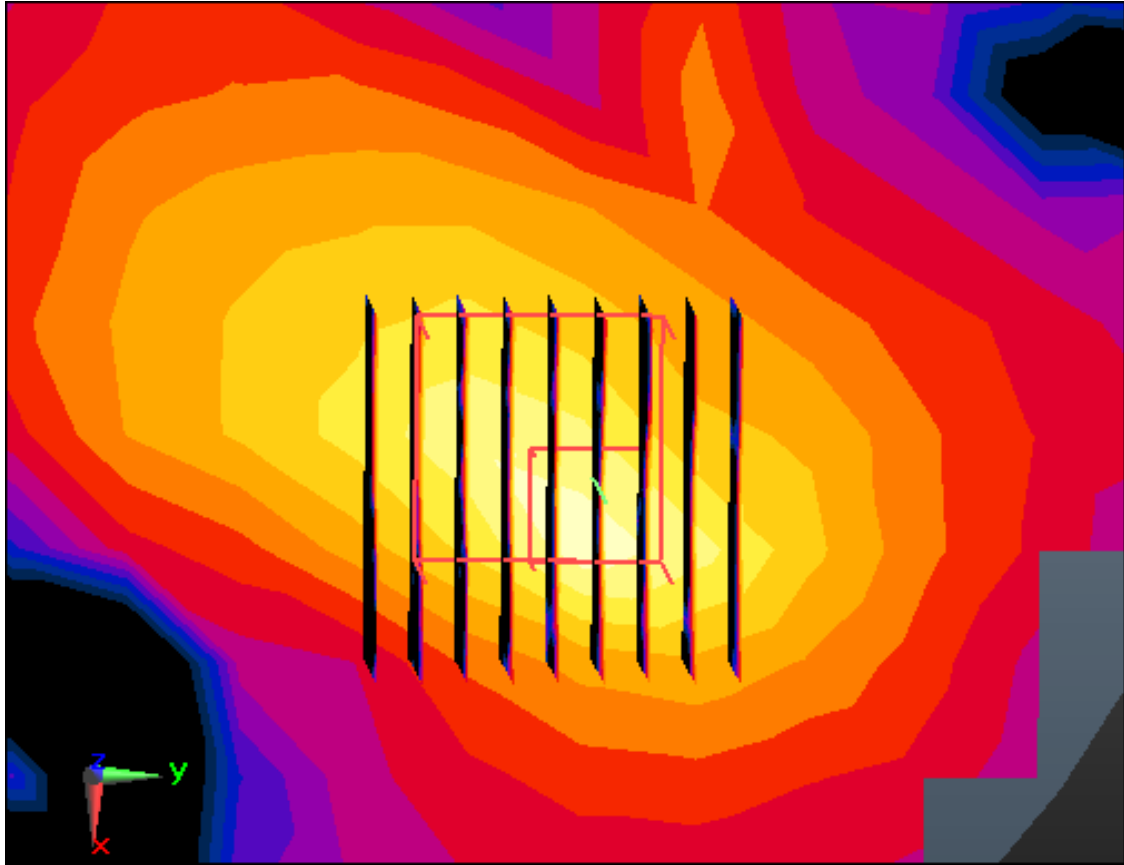
**SAR(1 g) = 1.56 W/kg; SAR(10 g) = 0.391 W/kg**



0 dB = 5.85 W/kg



Enlarged Plot for A70



Enlarged Plot for A70

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.17 \text{ S/m}$ ;  $\epsilon_r = 49.518$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.2**

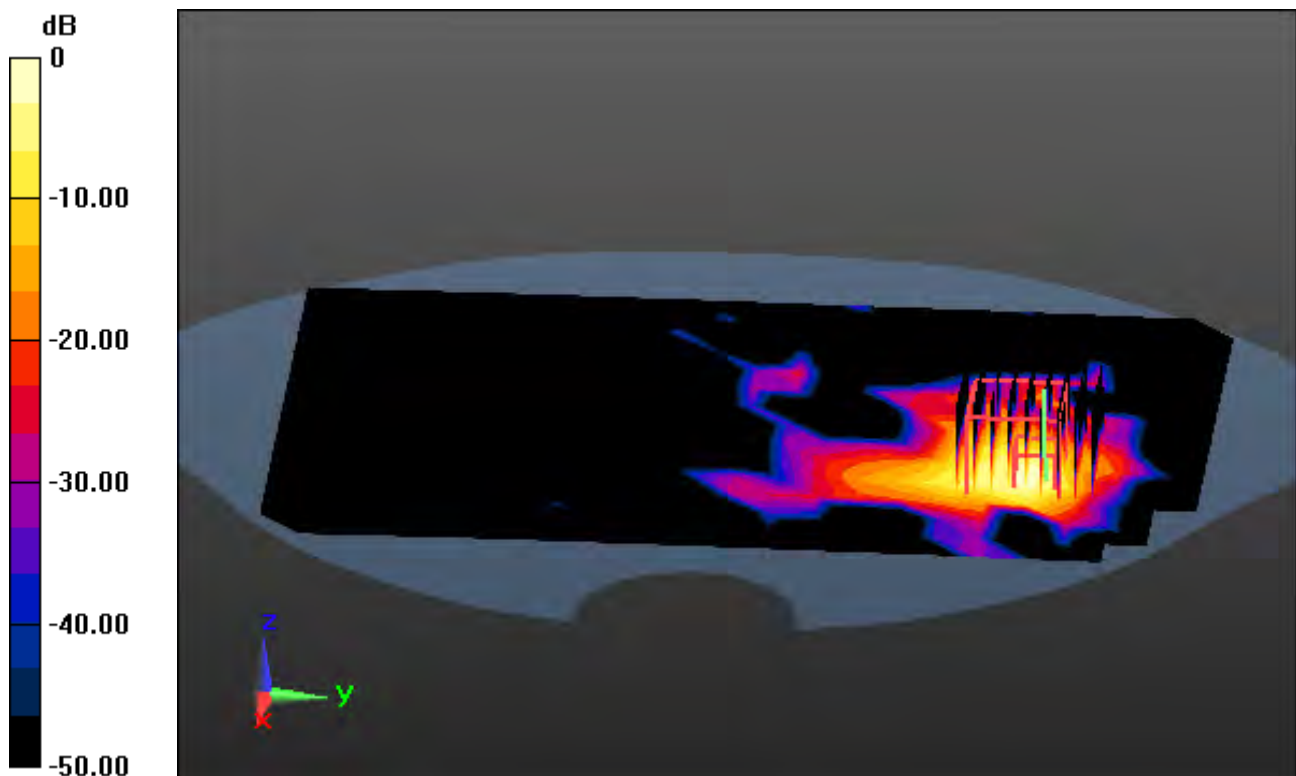
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

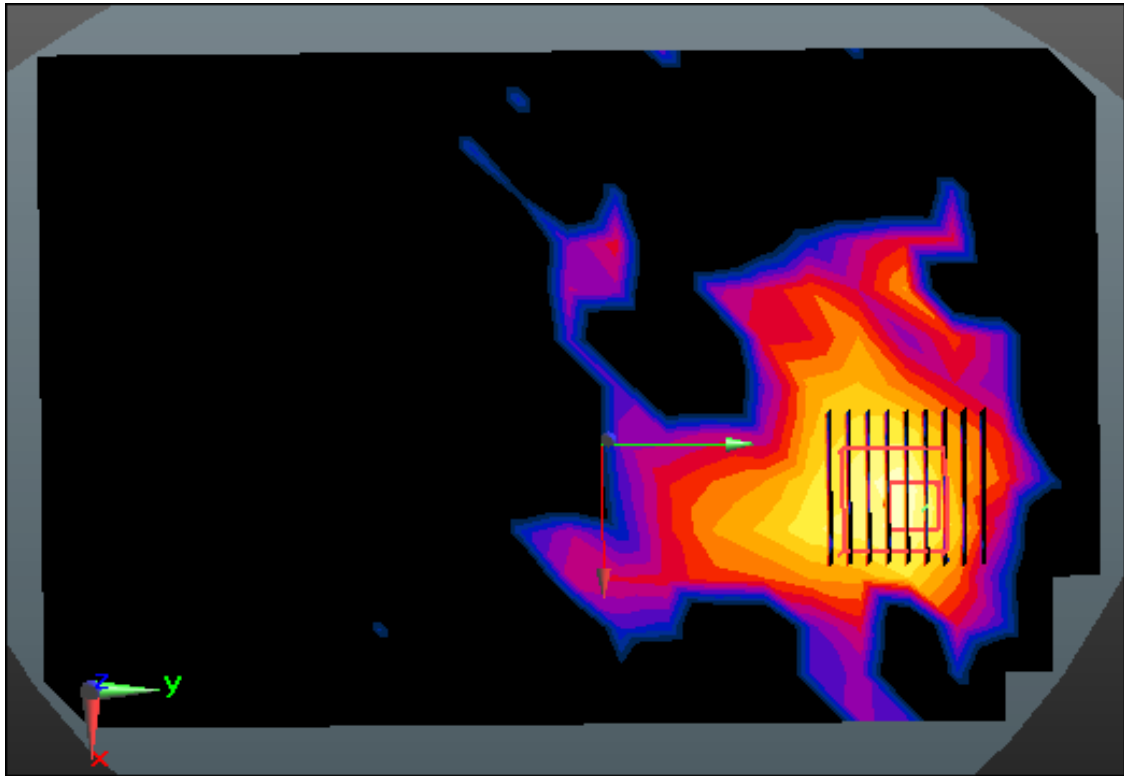
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

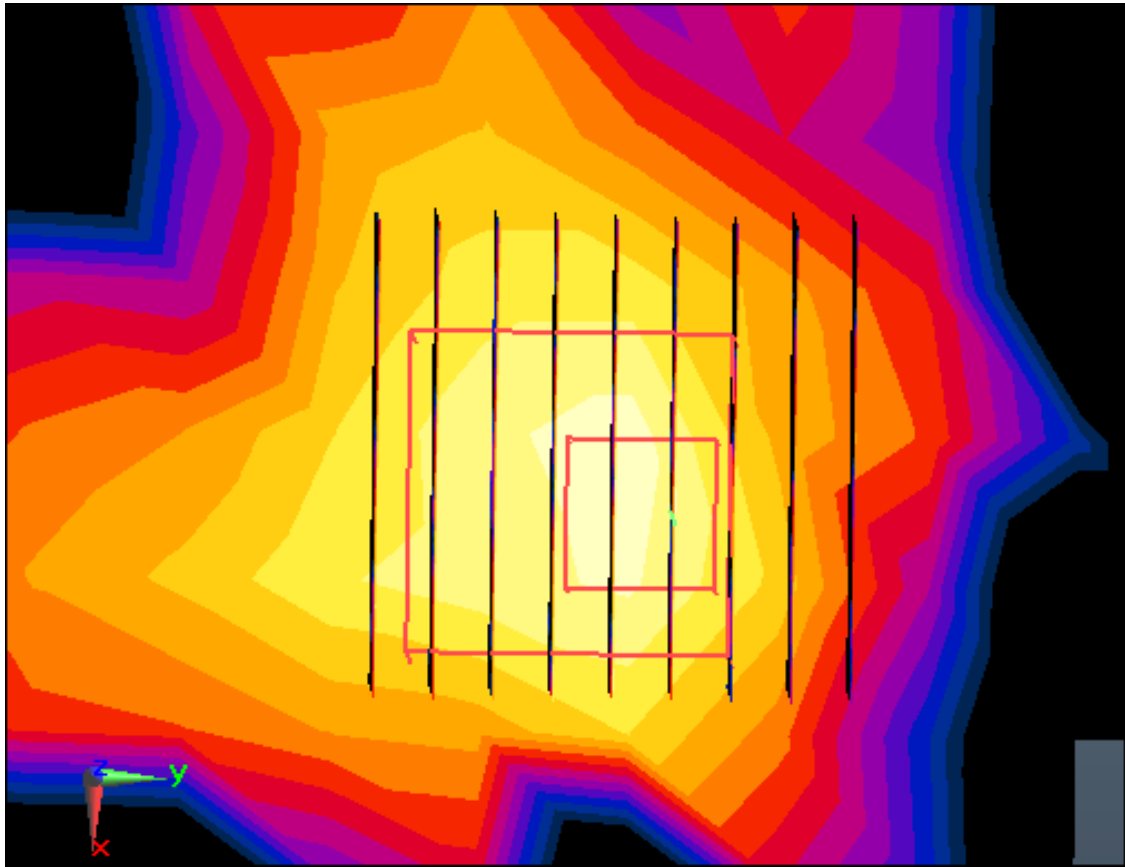
**SAR(1 g) = 2.13 W/kg; SAR(10 g) = 0.599 W/kg**



0 dB = 7.36 W/kg



Enlarged Plot for A71



Enlarged Plot for A71

## DT&C Co., Ltd.

**DUT: OA2001; Type: Bar**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.17 \text{ S/m}$ ;  $\epsilon_r = 49.518$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019; Electronics: DAE4 Sn1391

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: 2019-12-09; Ambient Temp: 22.4; Tissue Temp: 22.3

**Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, MIMO**

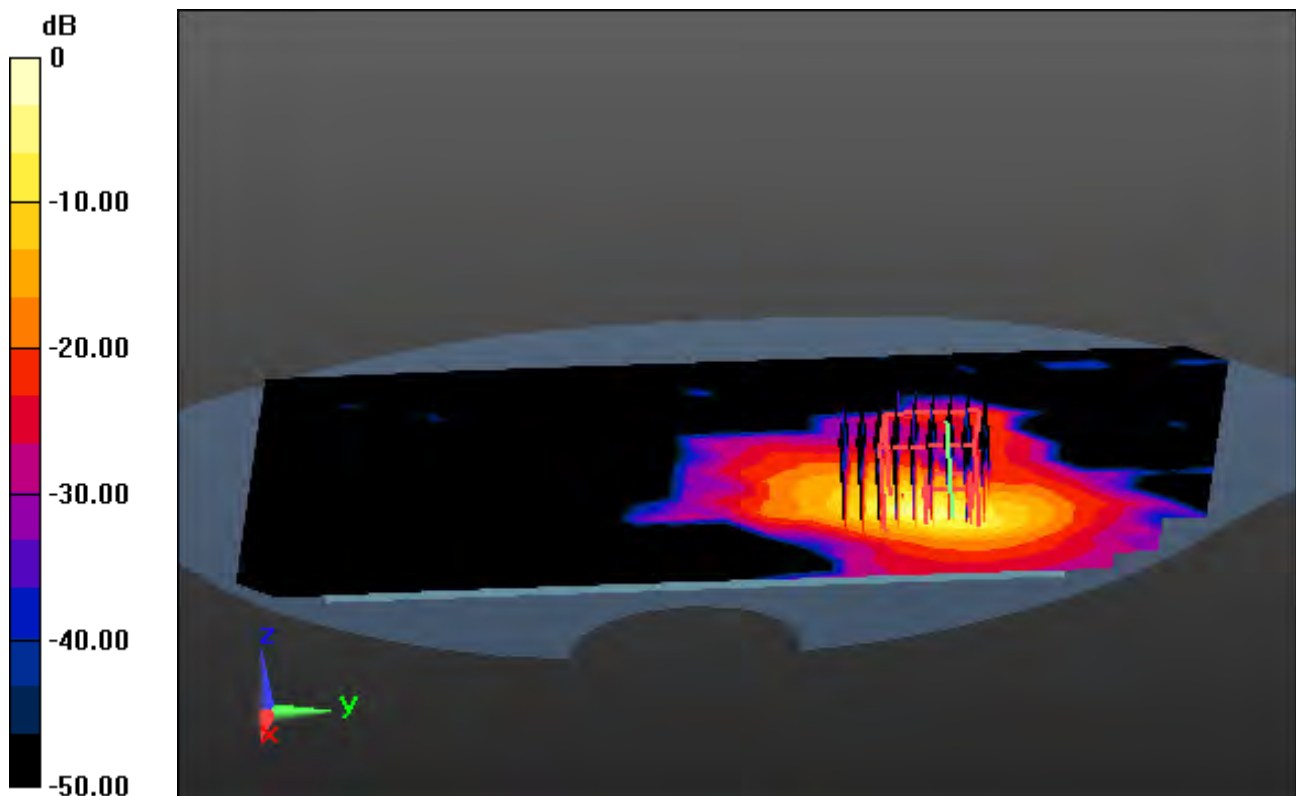
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

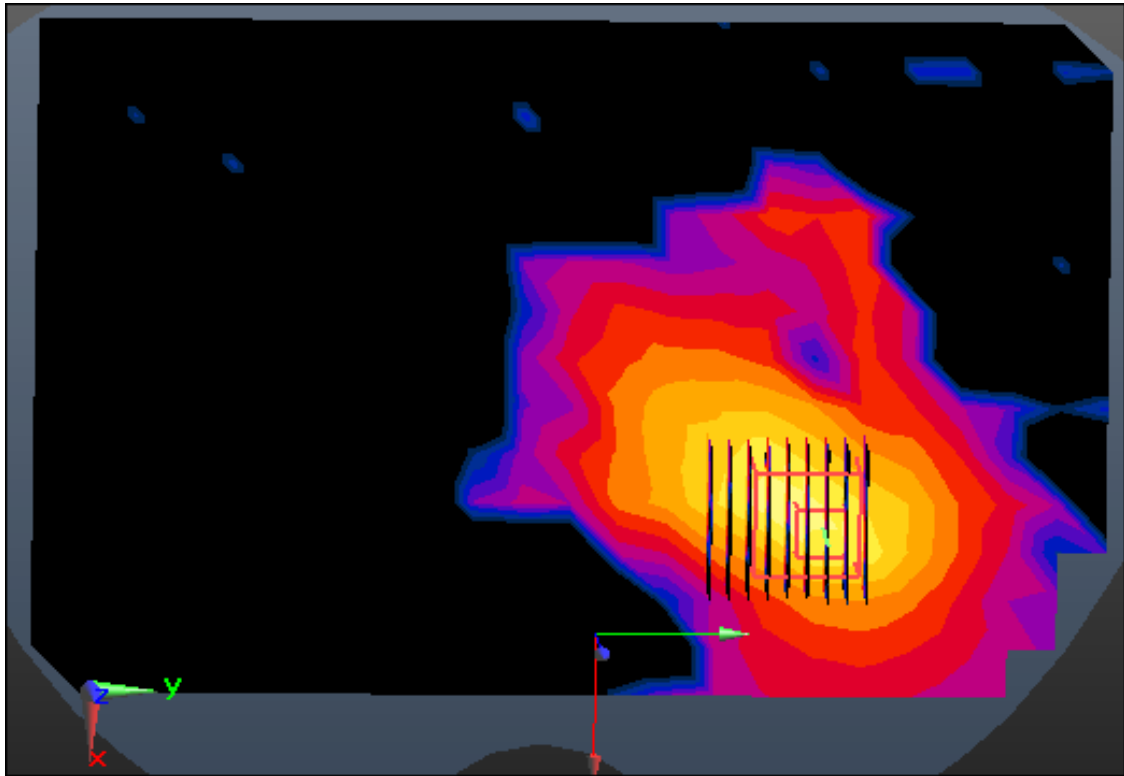
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 17.1 W/kg

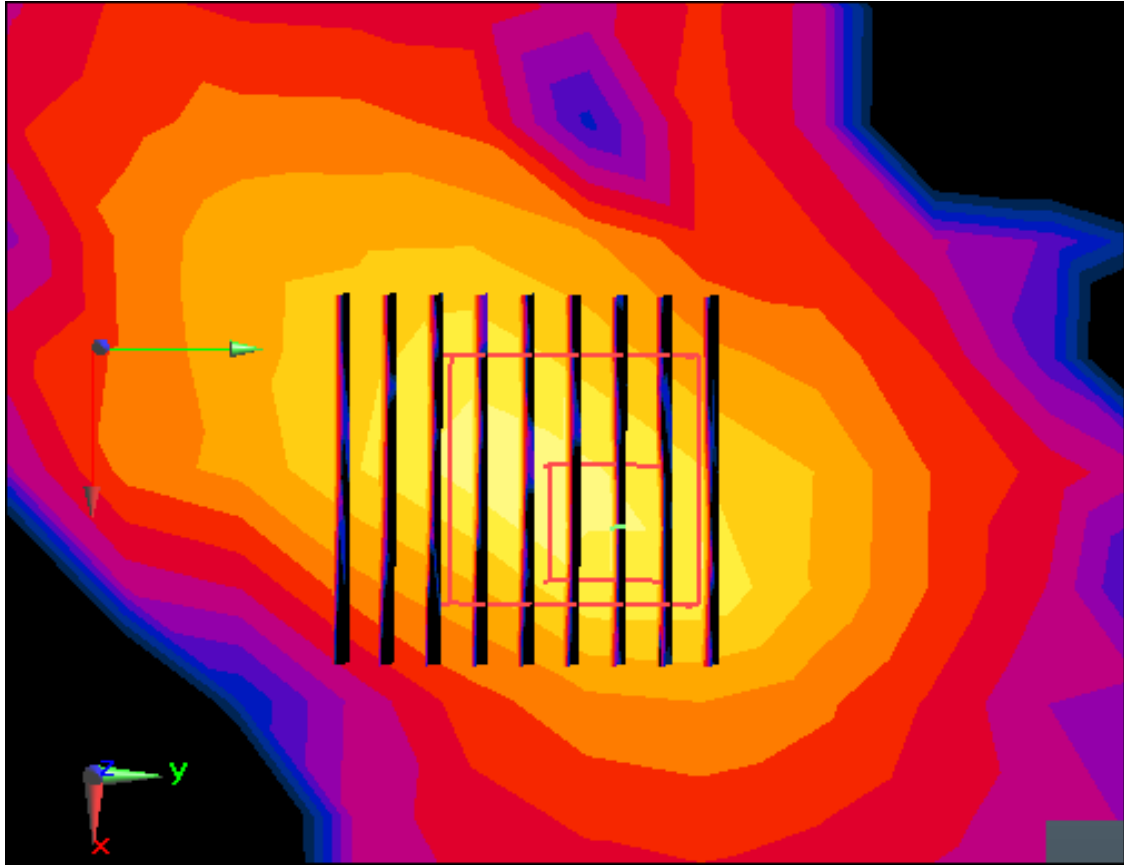
**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 0.896 W/kg**



0 dB = 8.56 W/kg



Enlarged Plot for A72



Enlarged Plot for A72