

## **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:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.915 \text{ S/m}$ ;  $\epsilon_r = 42.692$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.68, 10.68, 10.68); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.4

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

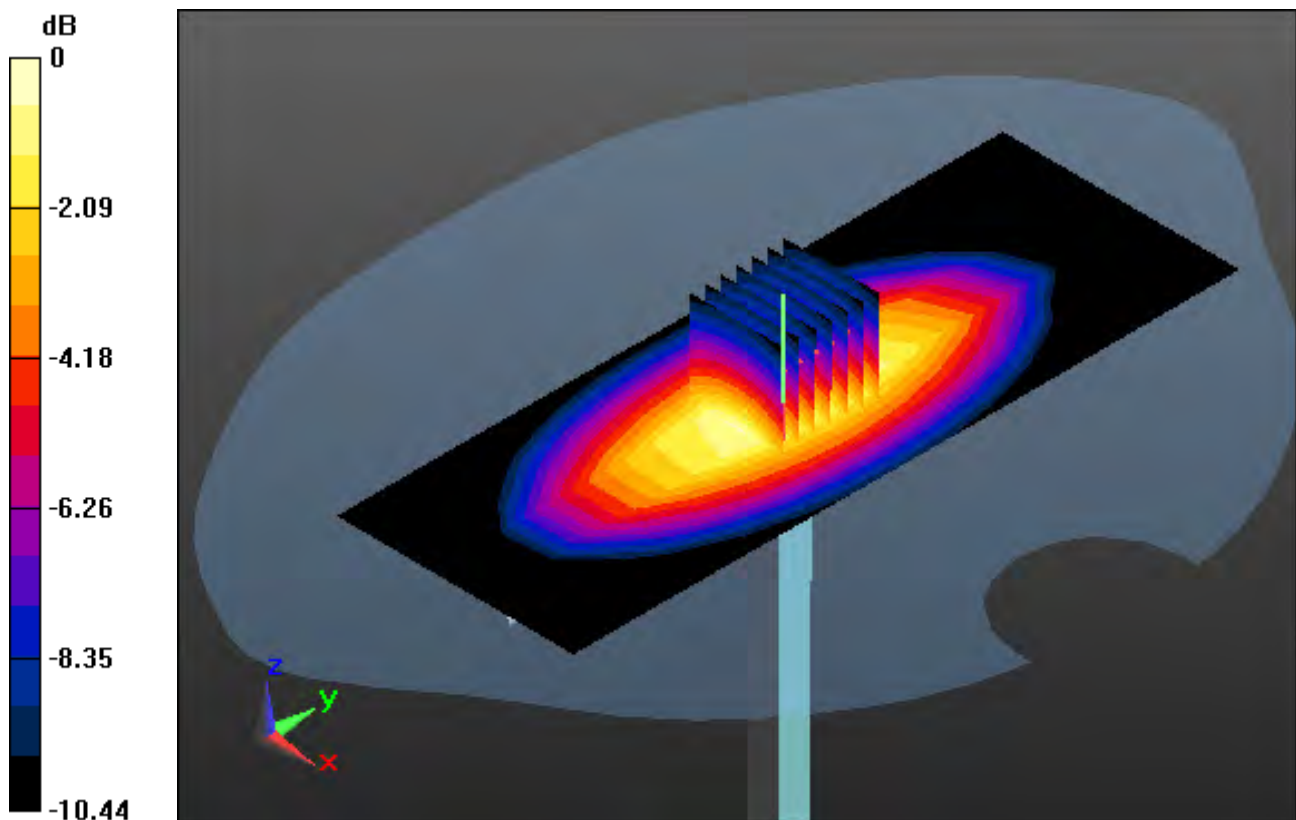
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.04 W/kg

**SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.33 W/kg**



0 dB = 2.59 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:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.973 \text{ S/m}$ ;  $\epsilon_r = 56.023$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.44, 10.44, 10.44); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.3

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

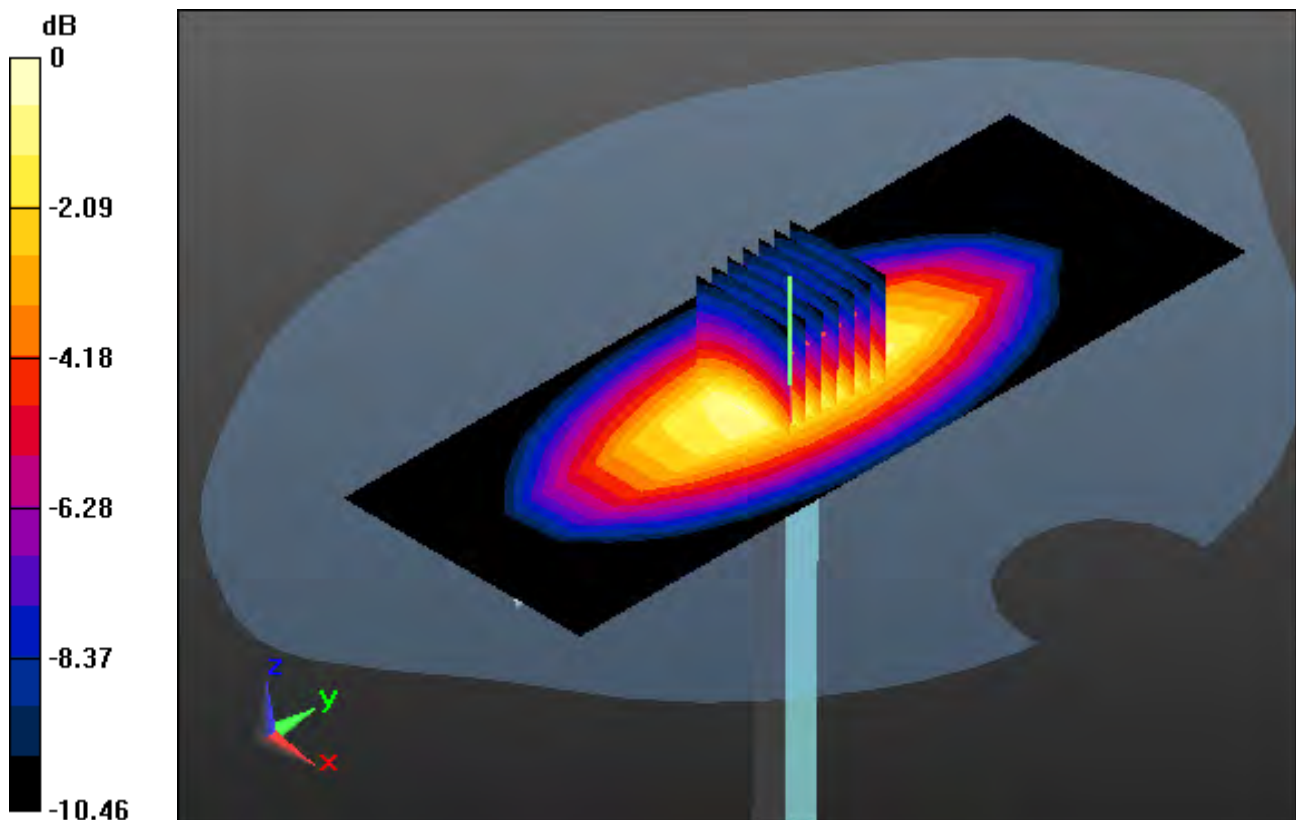
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.30 W/kg

SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.43 W/kg



0 dB = 2.83 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:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.895 \text{ S/m}$ ;  $\epsilon_r = 41.323$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

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

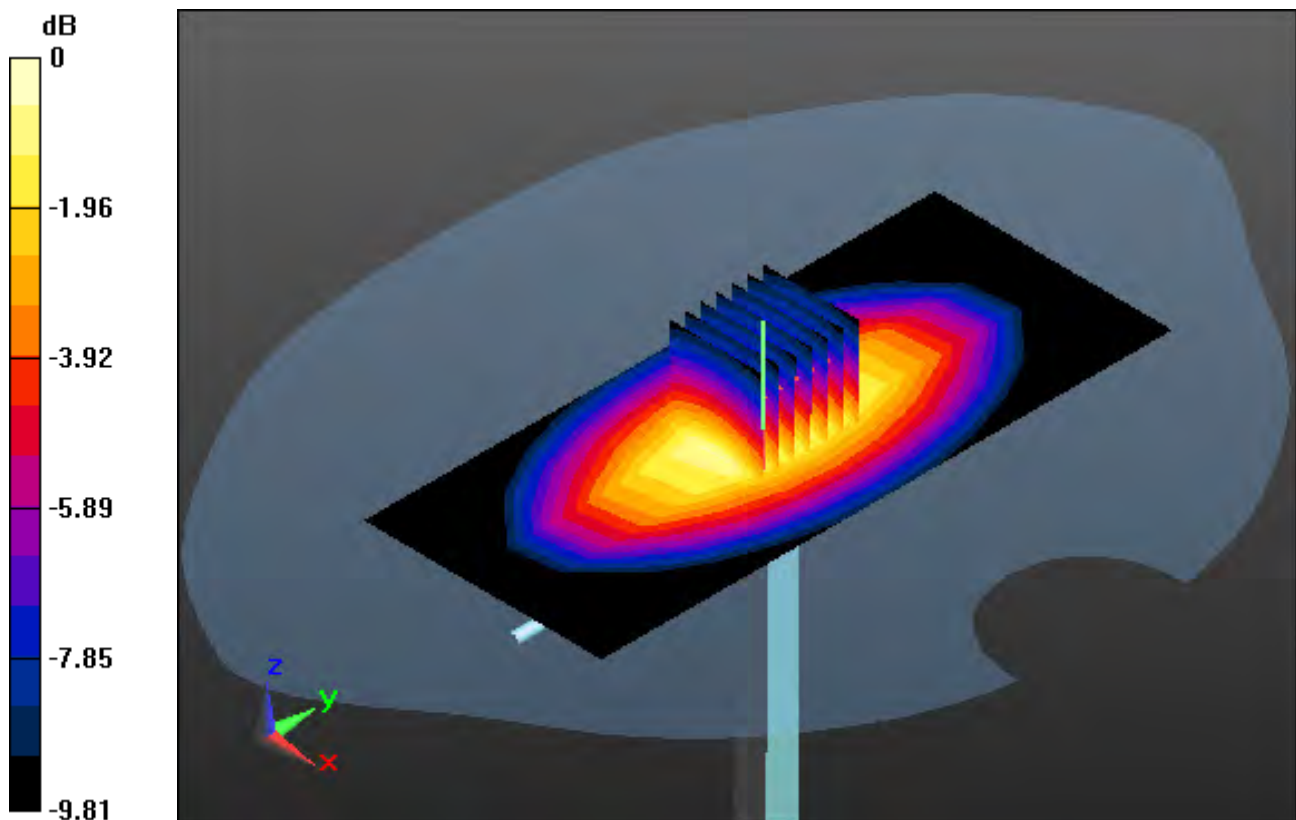
**Area Scan (6x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.65 W/kg



0 dB = 3.01 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:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.988 \text{ S/m}$ ;  $\epsilon_r = 53.828$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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

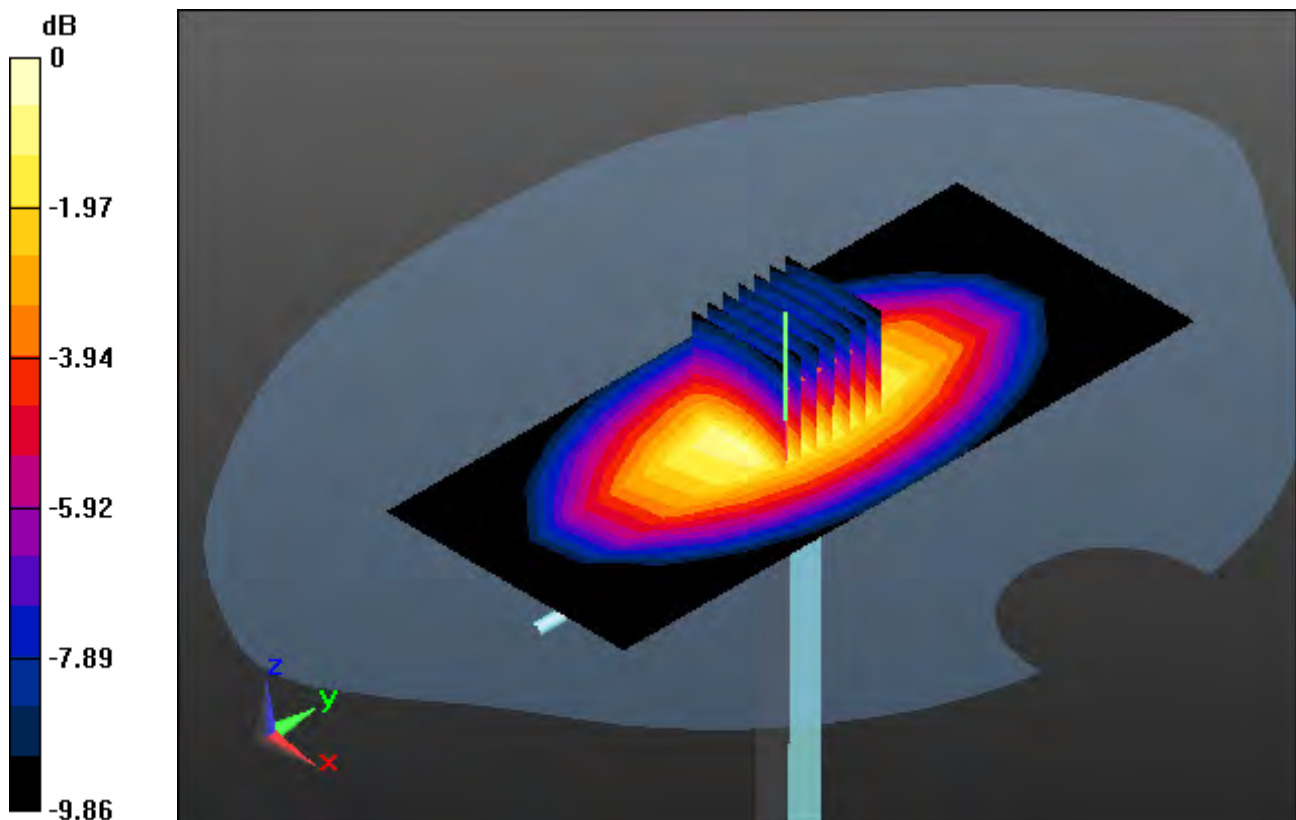
**Area Scan (6x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.54 W/kg



0 dB = 2.62 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;  $\sigma = 1.447$  S/m;  $\epsilon_r = 38.704$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.1, 8.1, 8.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.7

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

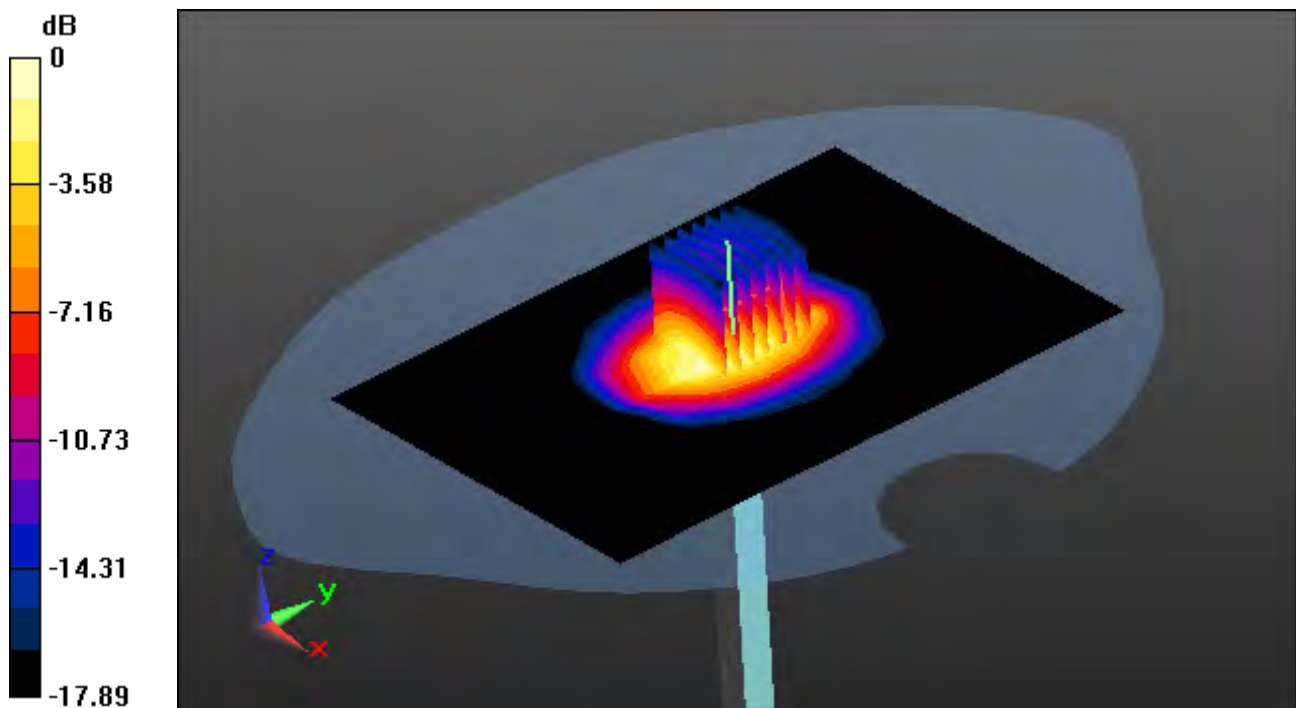
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 7.46 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.02 W/kg



0 dB = 4.55 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;  $\sigma = 1.533$  S/m;  $\epsilon_r = 52.93$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.74, 7.74, 7.74); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.5

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

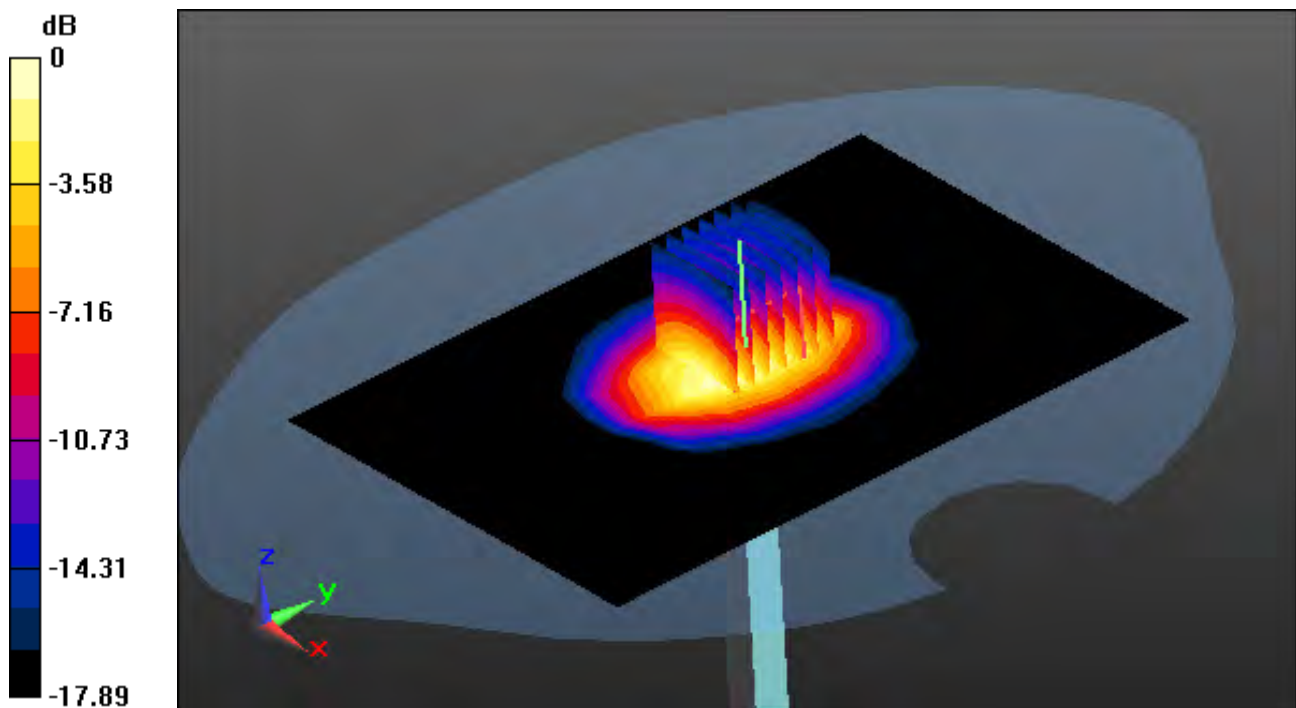
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 5.02 W/kg

**SAR(1 g) = 3.83 W/kg; SAR(10 g) = 2.01 W/kg**



0 dB = 4.36 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;  $\sigma = 1.433$  S/m;  $\epsilon_r = 40.612$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

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

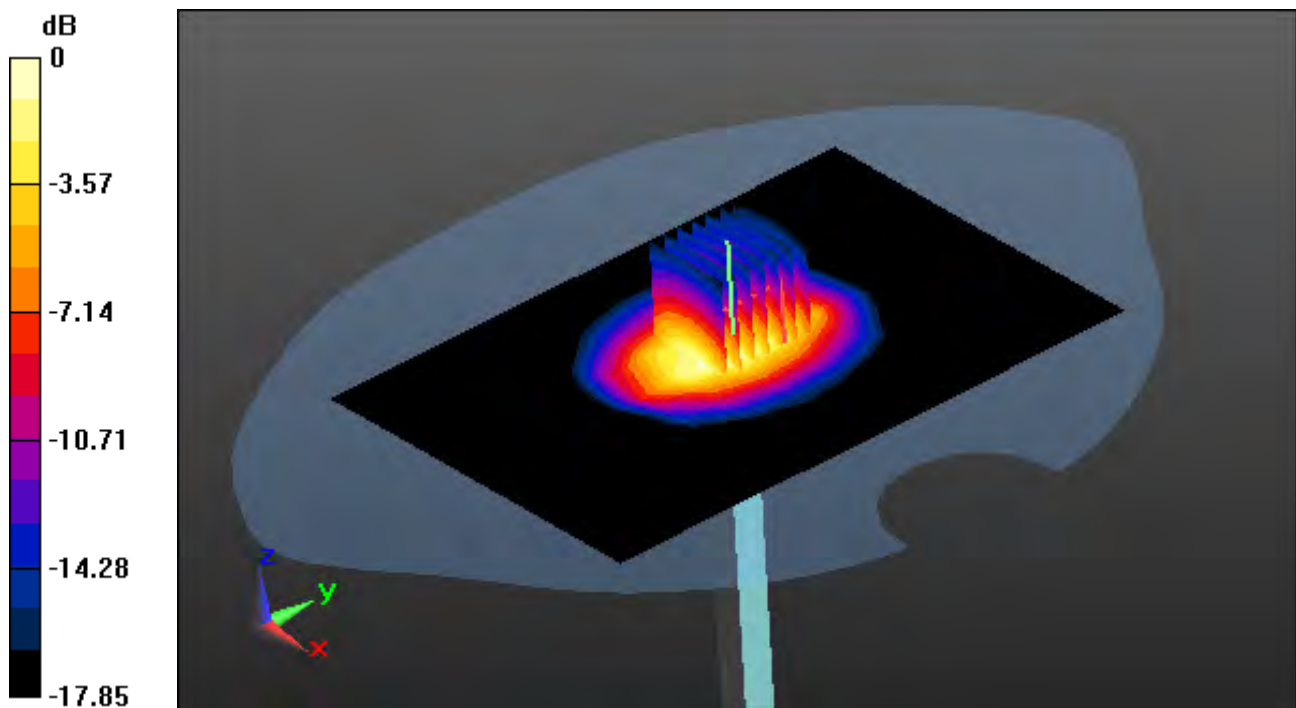
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 8.07 W/kg

**SAR(1 g) = 4.29 W/kg; SAR(10 g) = 2.23 W/kg**



0 dB = 4.77 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;  $\sigma = 1.555$  S/m;  $\epsilon_r = 51.426$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

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

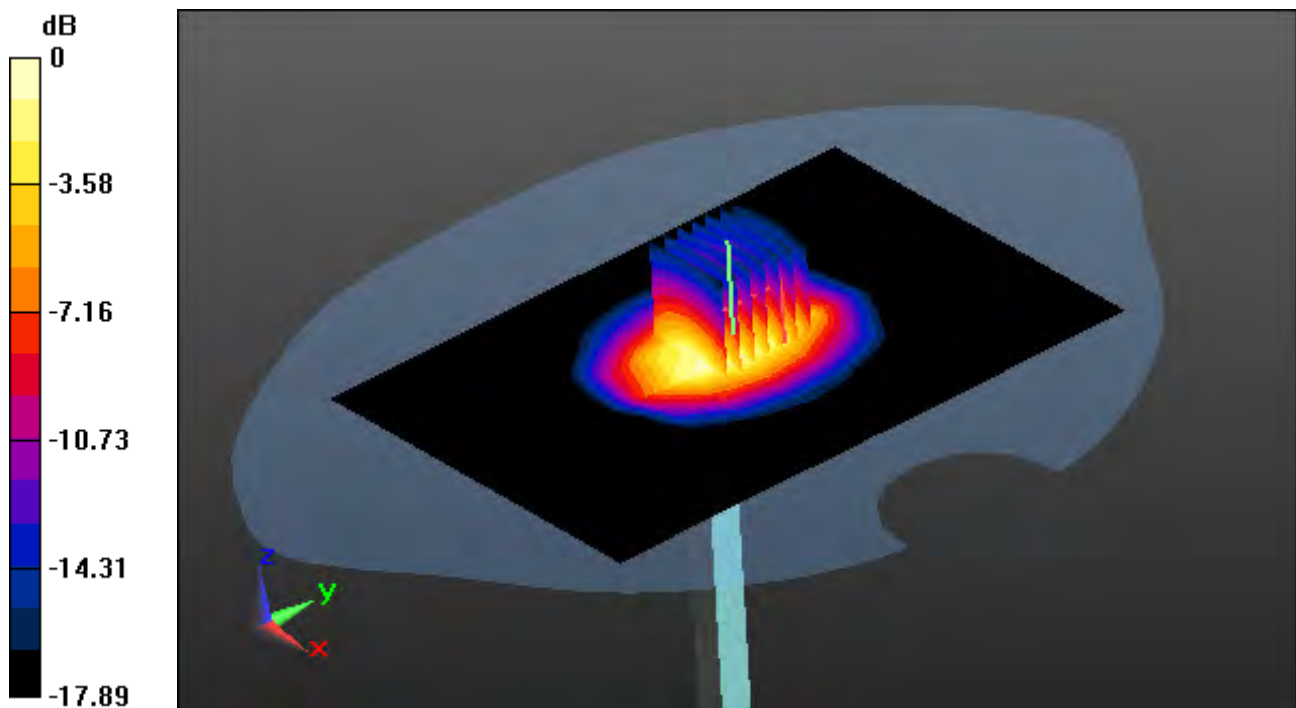
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 8.73 W/kg

**SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.15 W/kg**



0 dB = 4.62 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;  $\sigma = 1.426$  S/m;  $\epsilon_r = 40.622$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 22.0

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

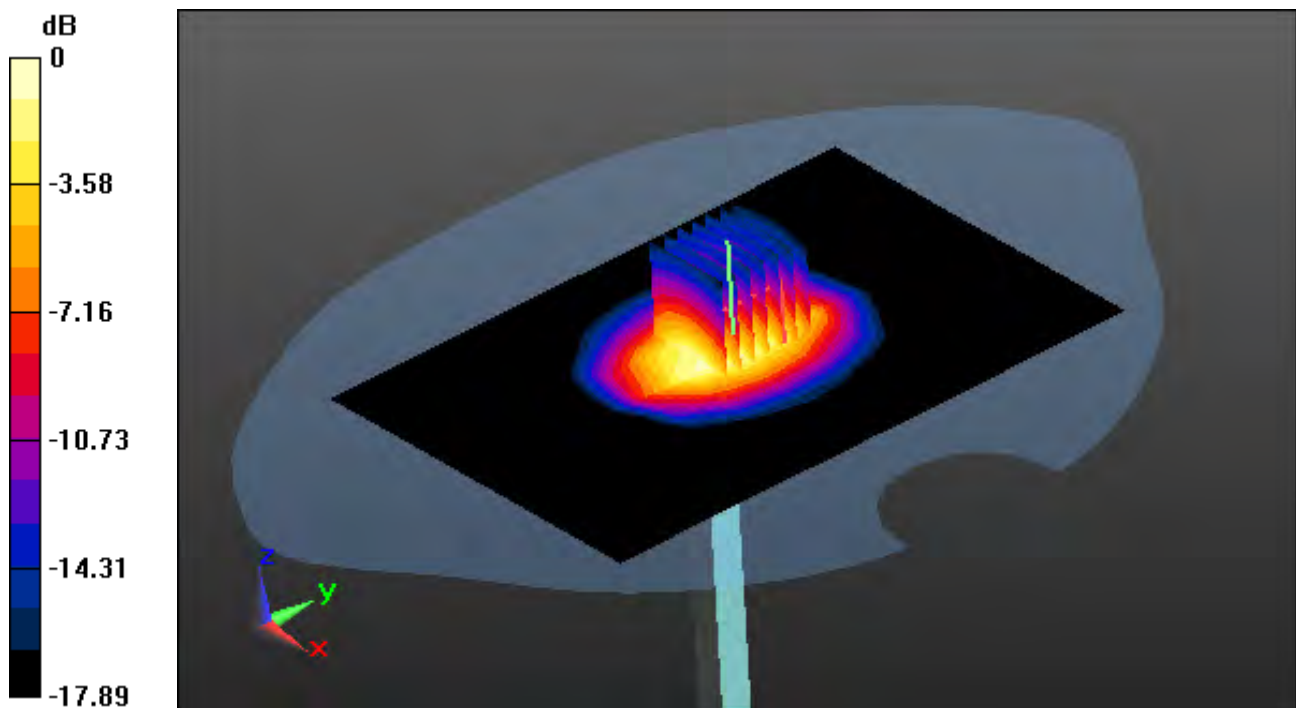
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 7.95 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.2 W/kg



0 dB = 4.68 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;  $\sigma = 1.513$  S/m;  $\epsilon_r = 51.557$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 21.9

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

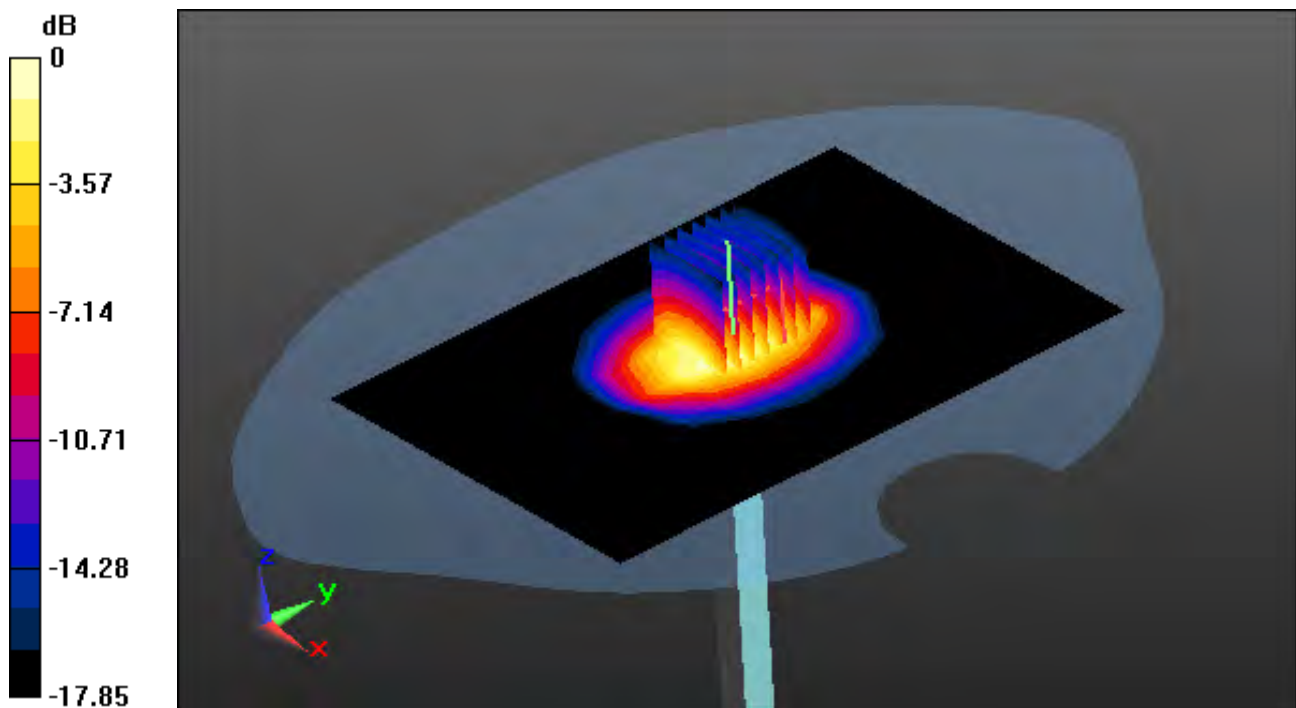
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.45 W/kg

**SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.03 W/kg**



0 dB = 5.28 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.852$  S/m;  $\epsilon_r = 38.434$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

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

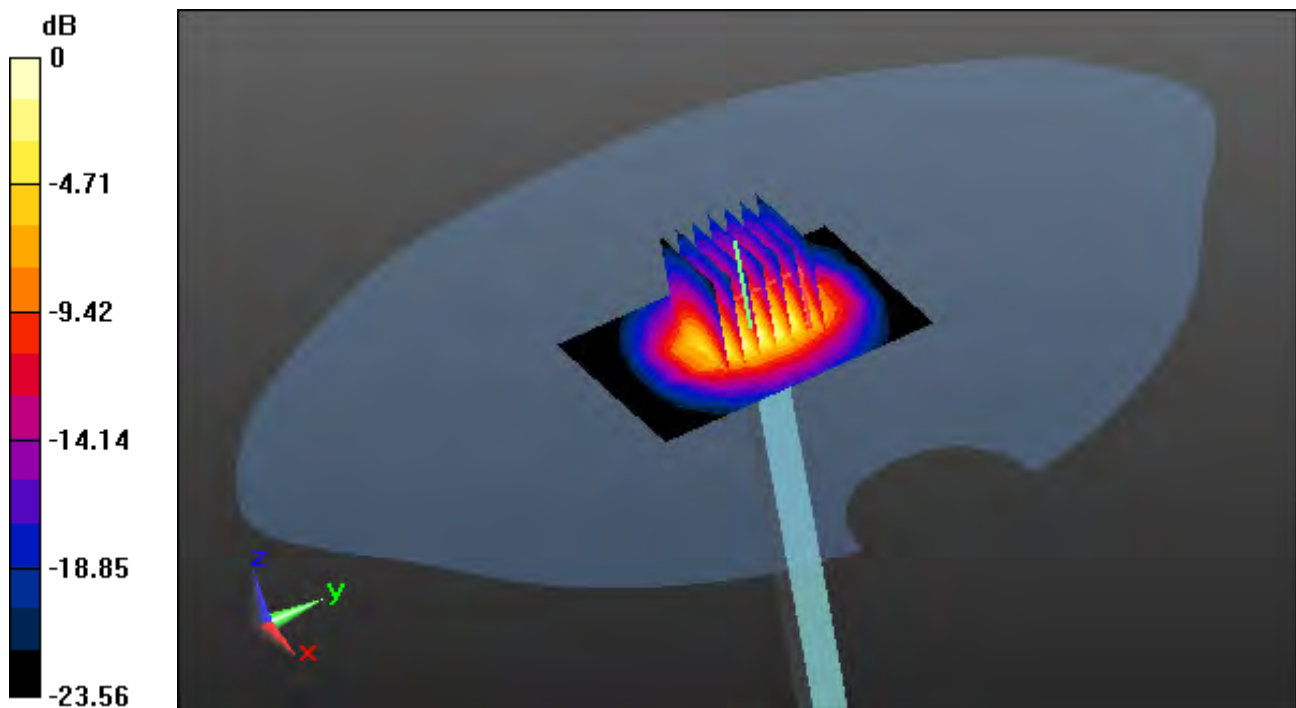
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.0 W/kg

**SAR(1 g) = 5.19 W/kg; SAR(10 g) = 2.33 W/kg**



0 dB = 8.02 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.992$  S/m;  $\epsilon_r = 51.686$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

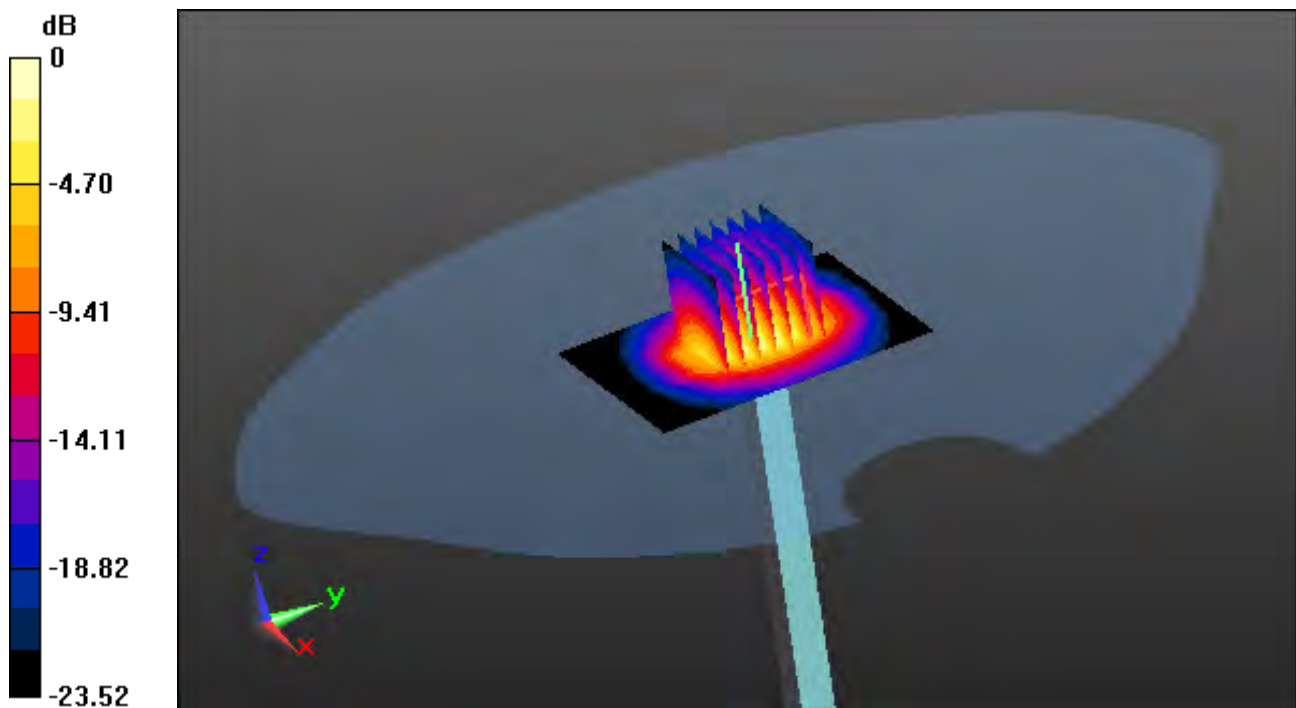
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.48 W/kg



0 dB = 8.50 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.975$  S/m;  $\epsilon_r = 38.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.6

### **2600 MHz System Head Verification (100 mW)**

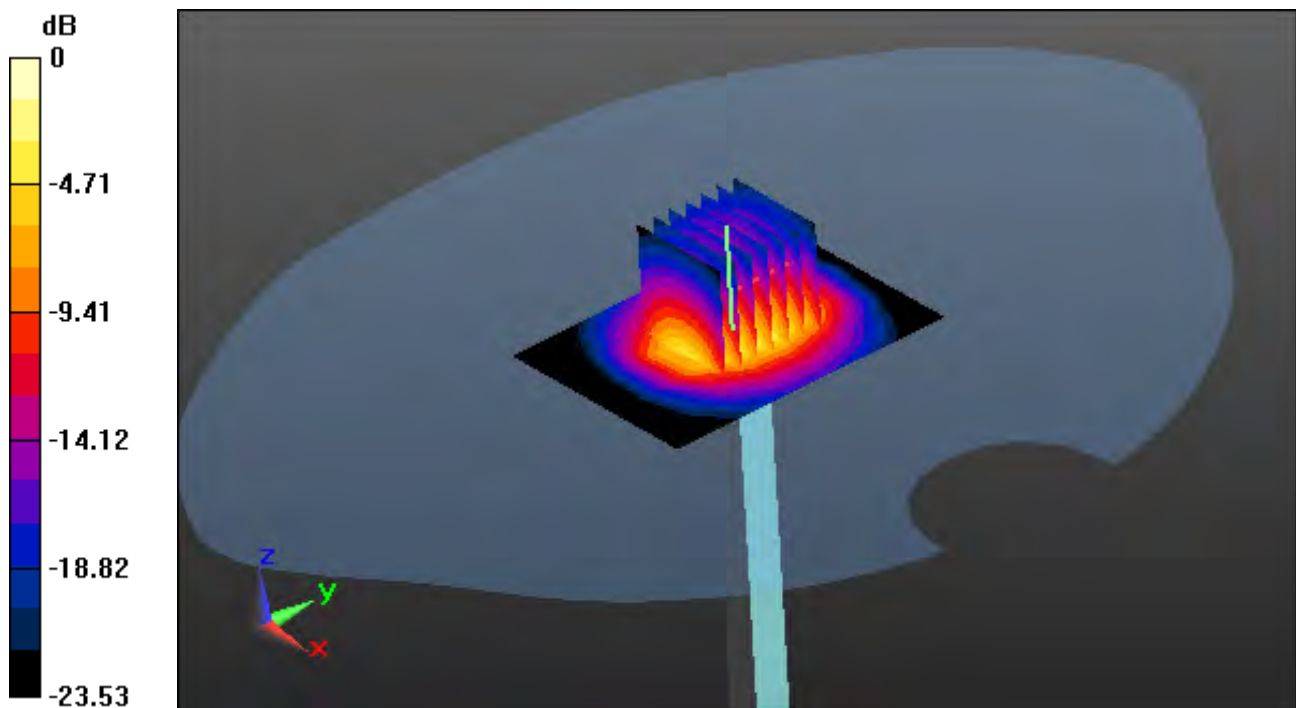
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.54 W/kg



0 dB = 8.74 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.166$  S/m;  $\epsilon_r = 51.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.1, 7.1, 7.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.7

### **2600 MHz System Body Verification (100 mW)**

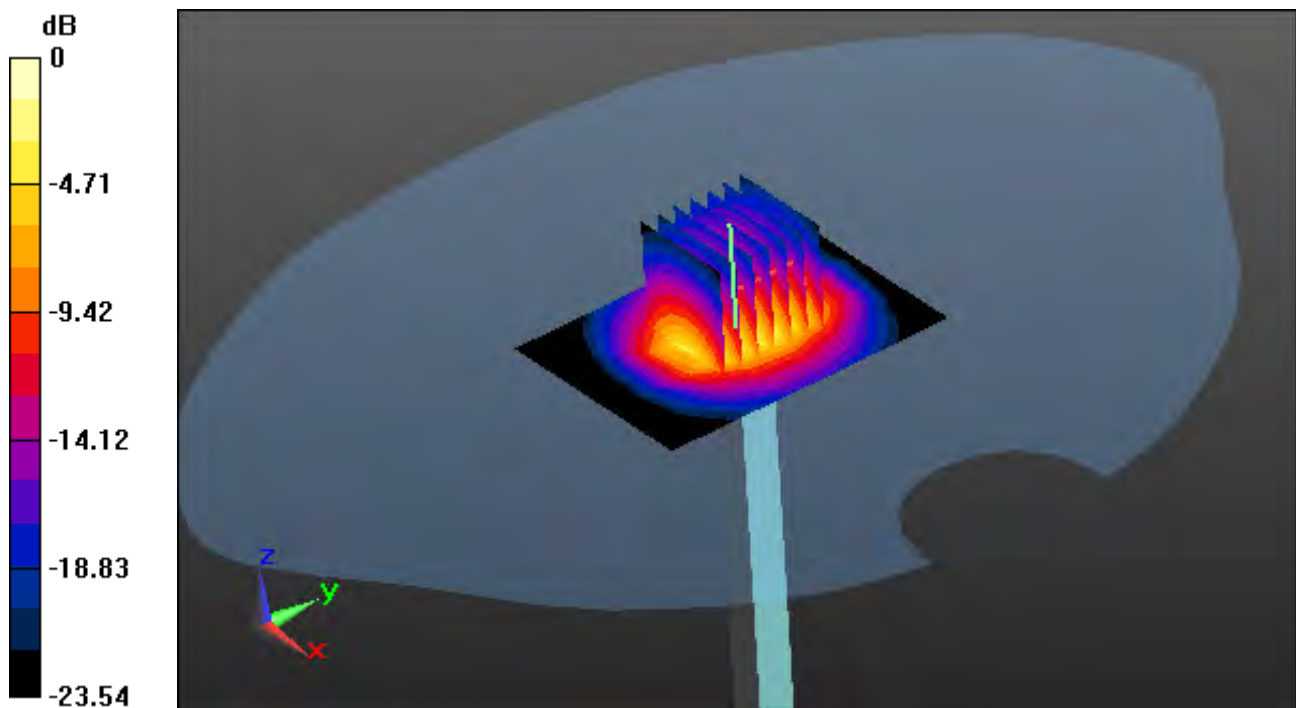
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 11.77 W/kg

**SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.48 W/kg**



0 dB = 8.43 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200 \text{ MHz}$ ;  $\sigma = 5.24 \text{ S/m}$ ;  $\epsilon_r = 49.223$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6

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

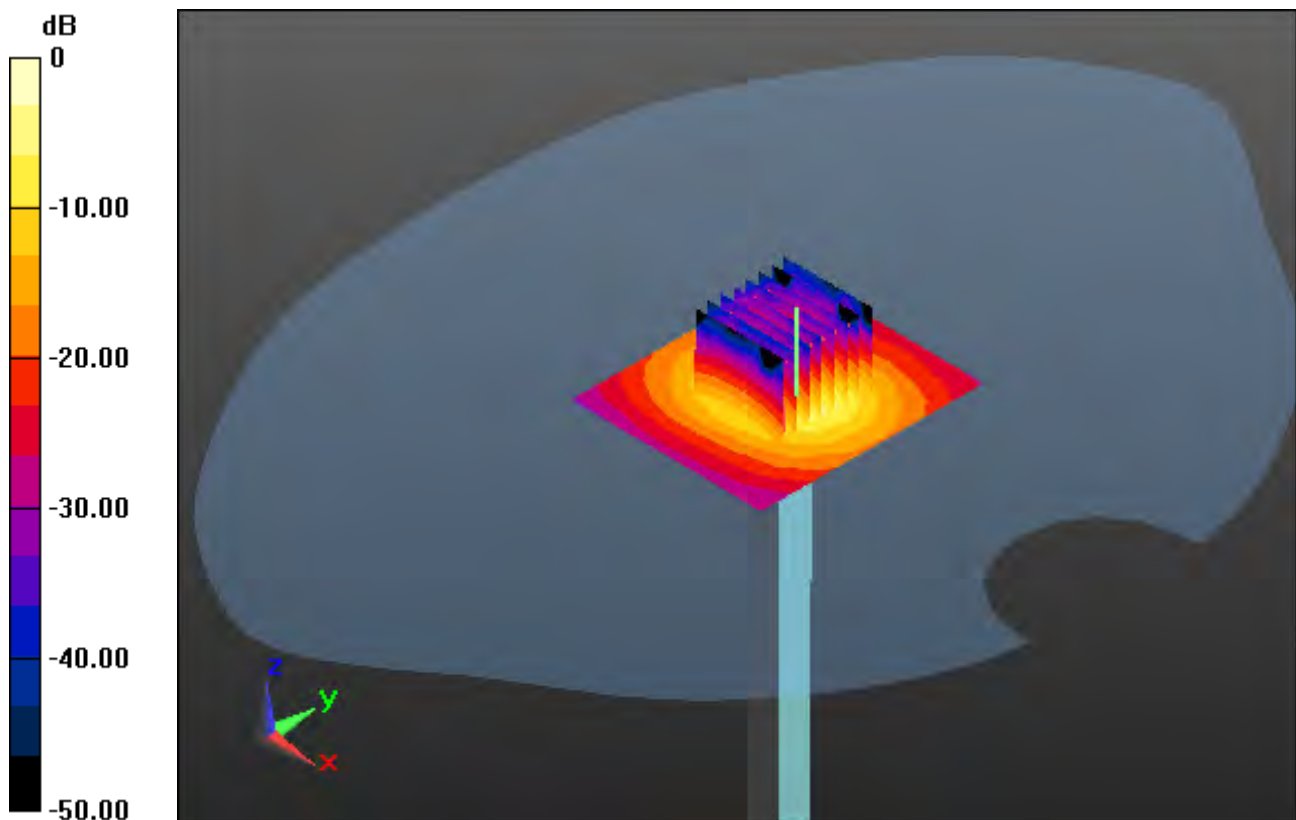
**Area Scan (7x8x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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 = 0.05 dB

Peak SAR (extrapolated) = 34.3 W/kg

**SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.17 W/kg**



0 dB = 17.4 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.827$  S/m;  $\epsilon_r = 35.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

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

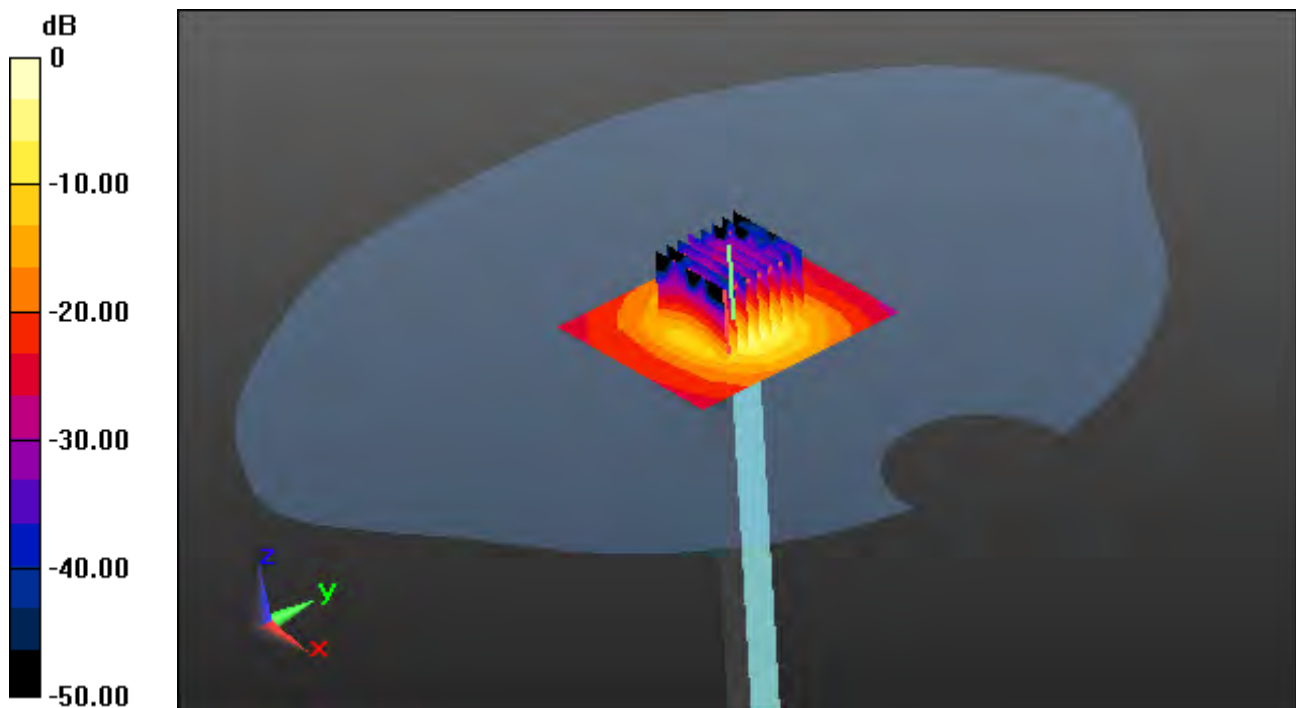
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 37.7 W/kg

**SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.33 W/kg**



0 dB = 17.7 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.329$  S/m;  $\epsilon_r = 49.204$ ;  $\rho = 1000$  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: DAE3 Sn520  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

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

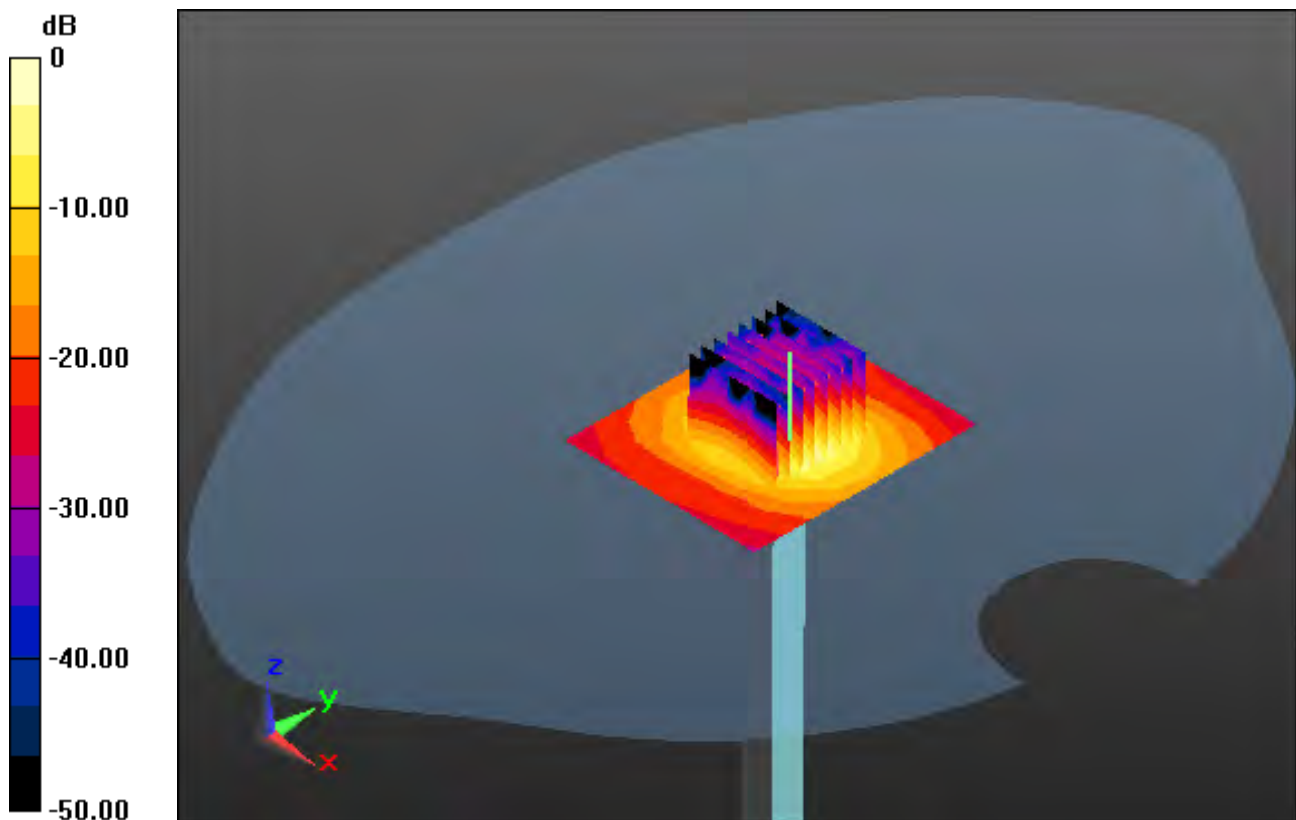
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 34.8 W/kg

SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.12 W/kg



0 dB = 16.7 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.066$  S/m;  $\epsilon_r = 35.881$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.55, 4.55, 4.55); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

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

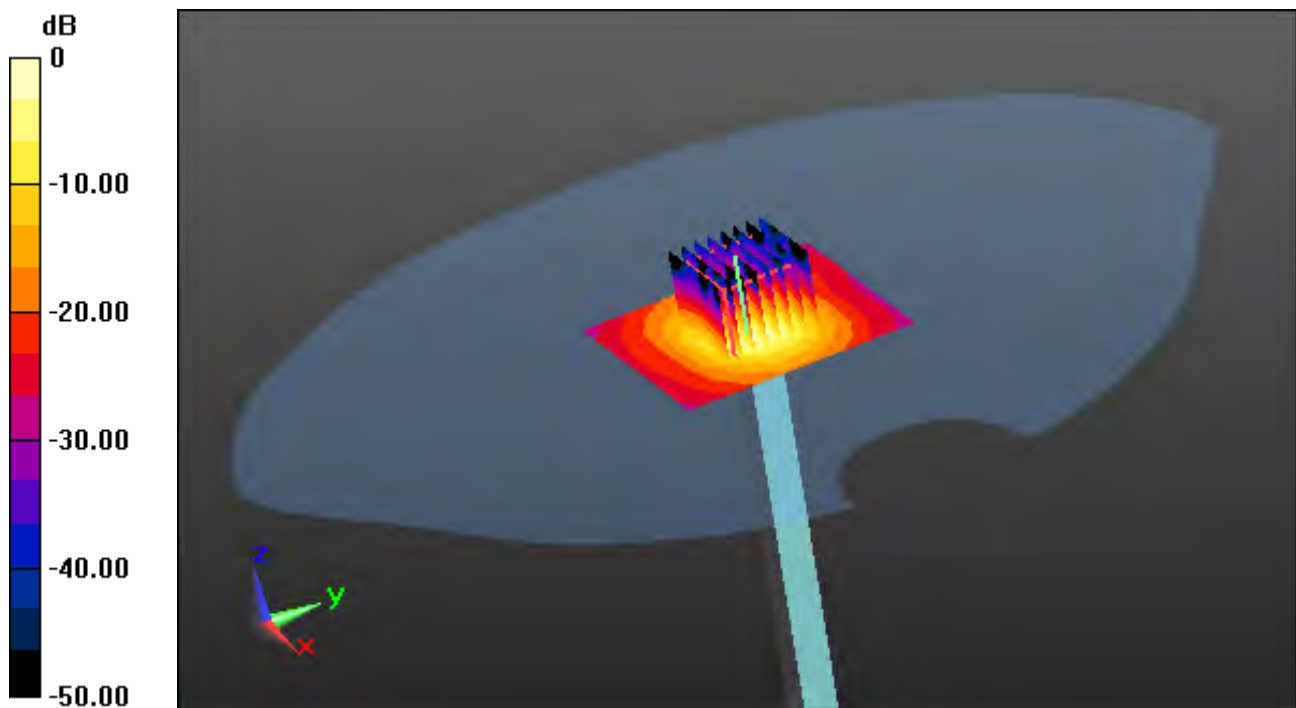
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 41.2 W/kg

SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.36 W/kg



0 dB = 21.9 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.751$  S/m;  $\epsilon_r = 48.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

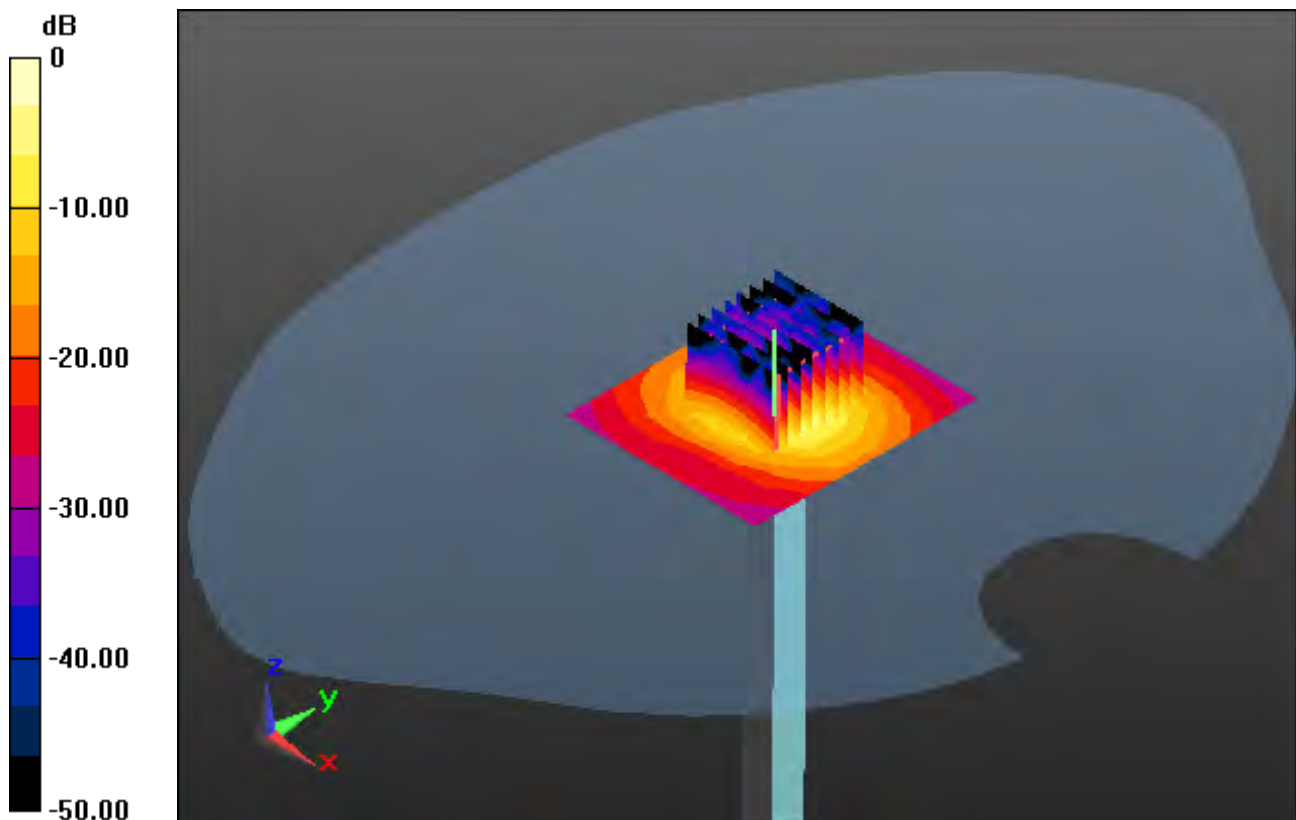
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 29.6 W/kg

**SAR(1 g) = 7.86 W/kg; SAR(10 g) = 2.18 W/kg**



0 dB = 18.7 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.424$  S/m;  $\epsilon_r = 35.349$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

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

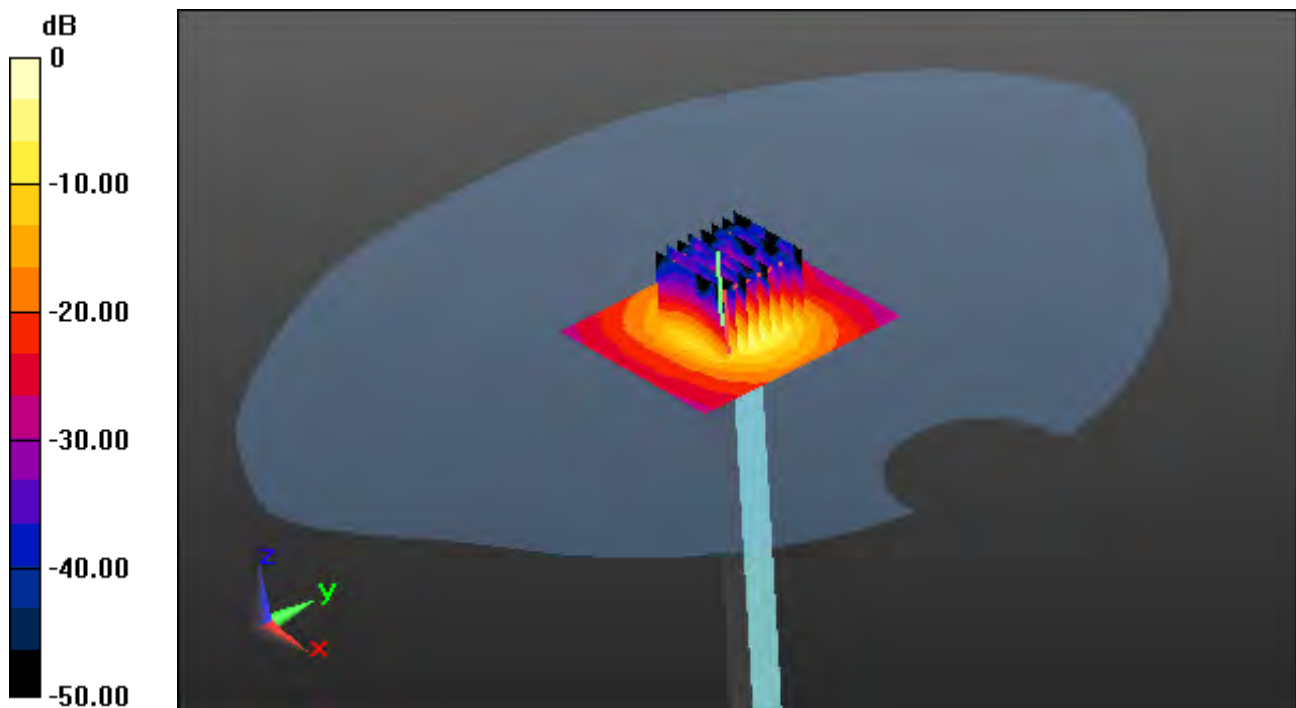
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 38.4 W/kg

**SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.29 W/kg**



0 dB = 17.9 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 6.181 \text{ S/m}$ ;  $\epsilon_r = 48.116$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

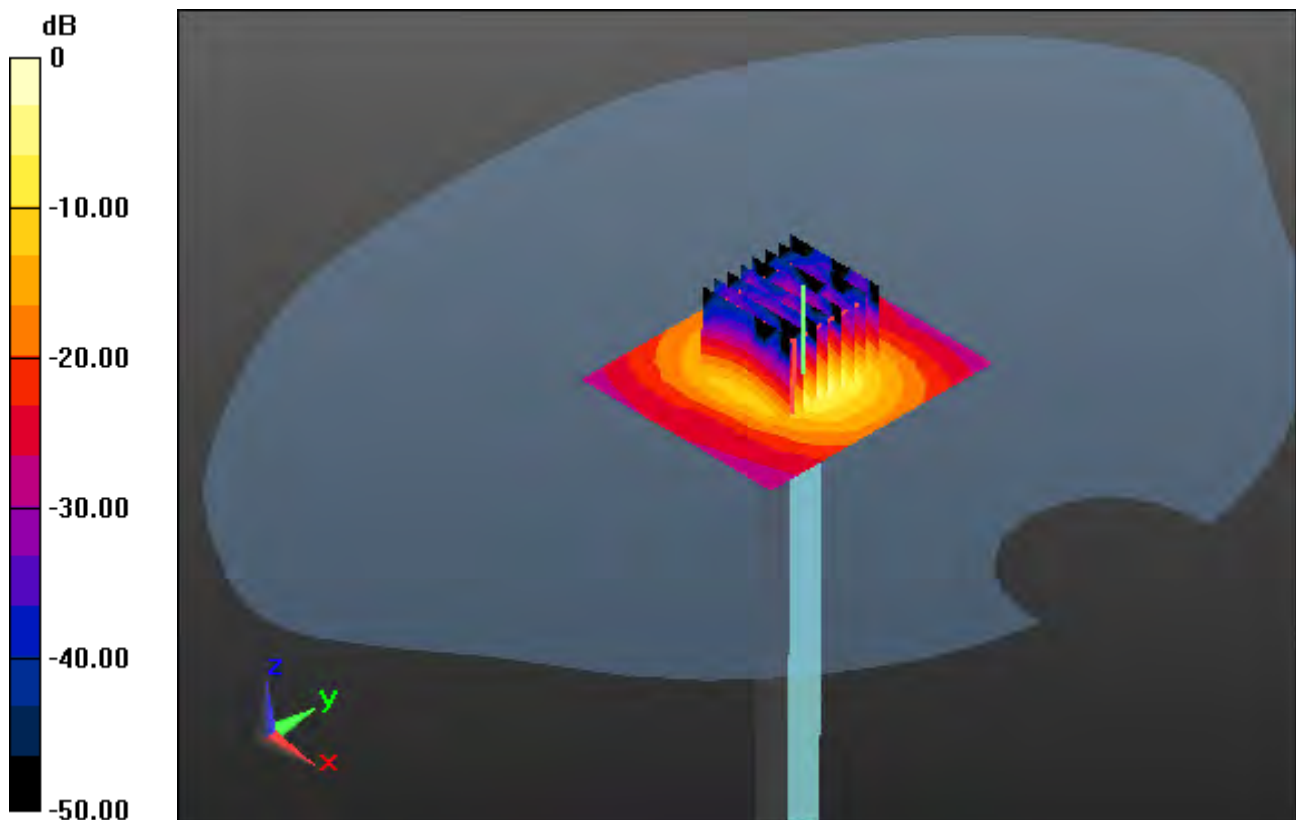
**Area Scan (7x8x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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 = 0.08 dB

Peak SAR (extrapolated) = 29.7 W/kg

**SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.16 W/kg**



0 dB = 18.9 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.387$  S/m;  $\epsilon_r = 34.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

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

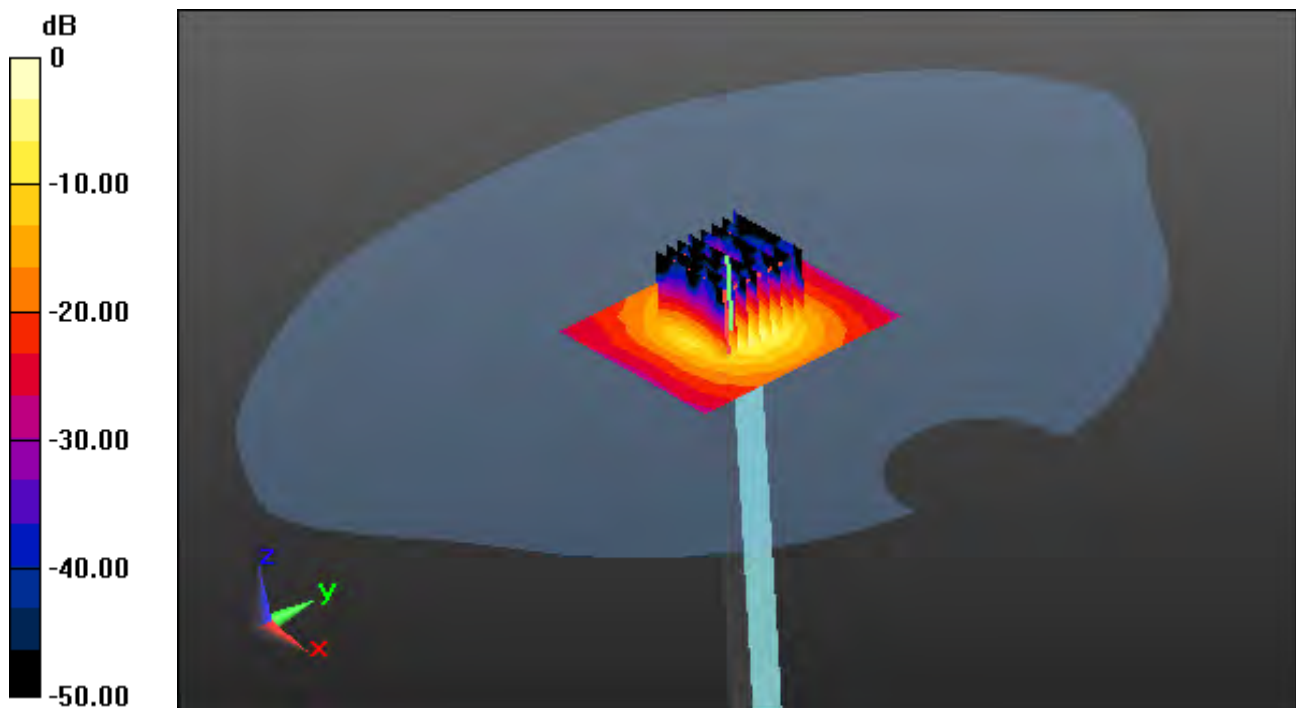
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 37.9 W/kg

**SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.33 W/kg**



0 dB = 17.4 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.202$  S/m;  $\epsilon_r = 48.325$ ;  $\rho = 1000$  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: DAE3 Sn520  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

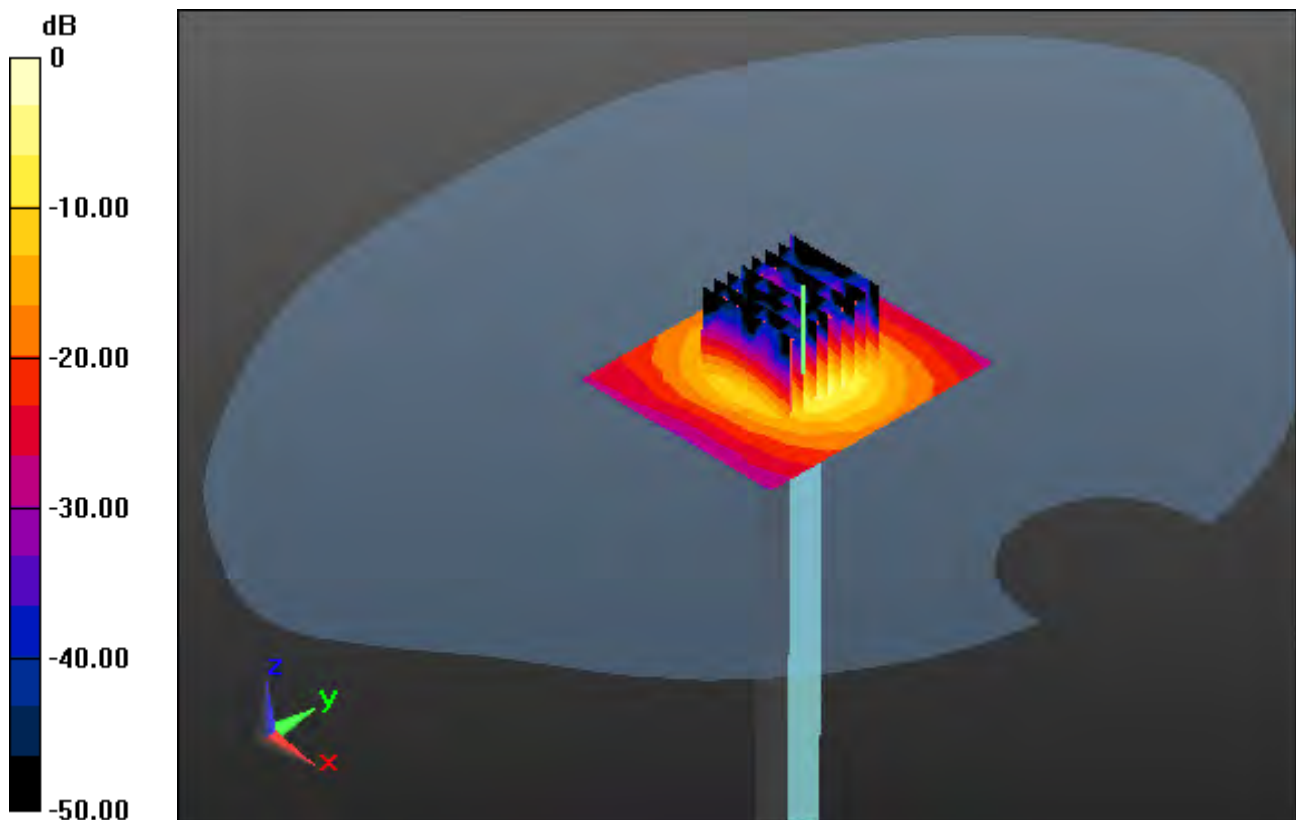
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 28.9 W/kg

**SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.15 W/kg**



0 dB = 18.7 W/kg

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.897 \text{ S/m}$ ;  $\epsilon_r = 41.347$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

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

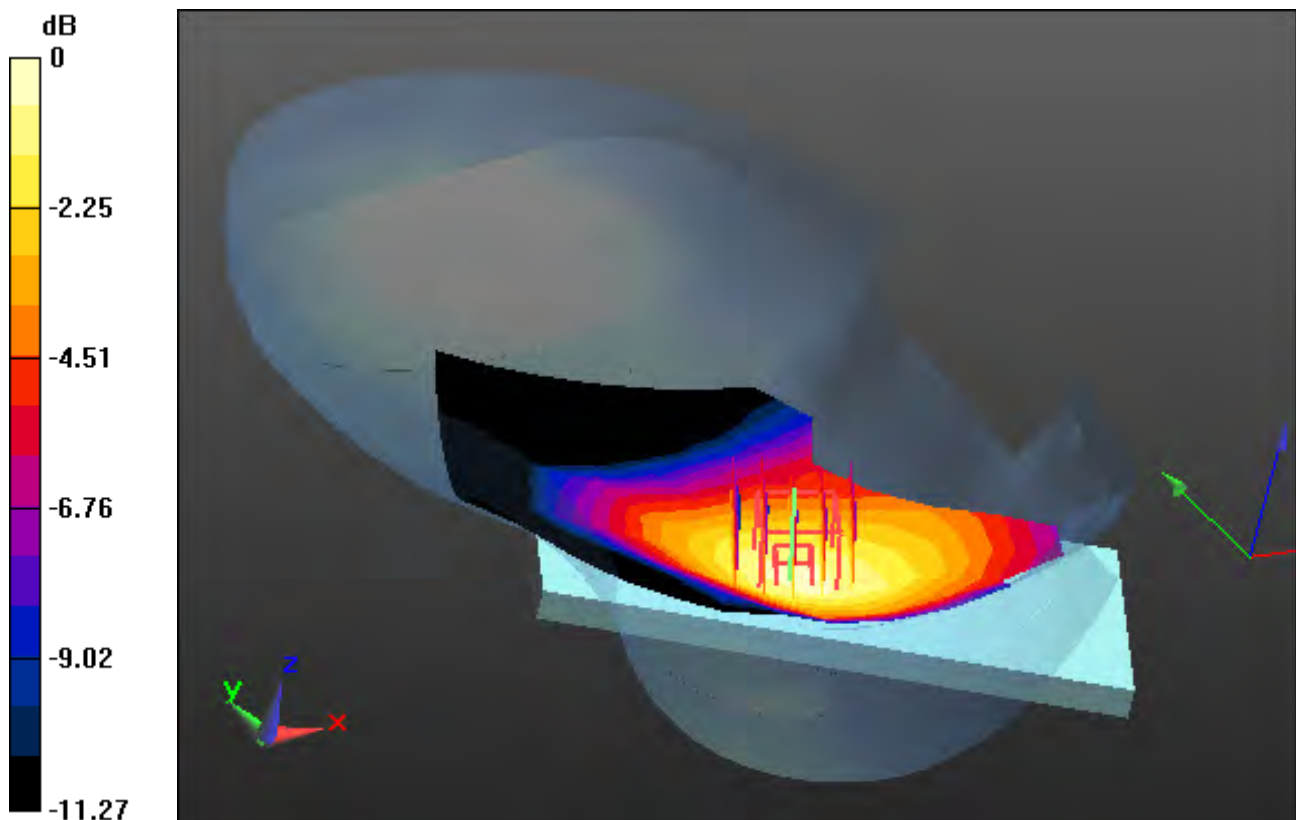
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

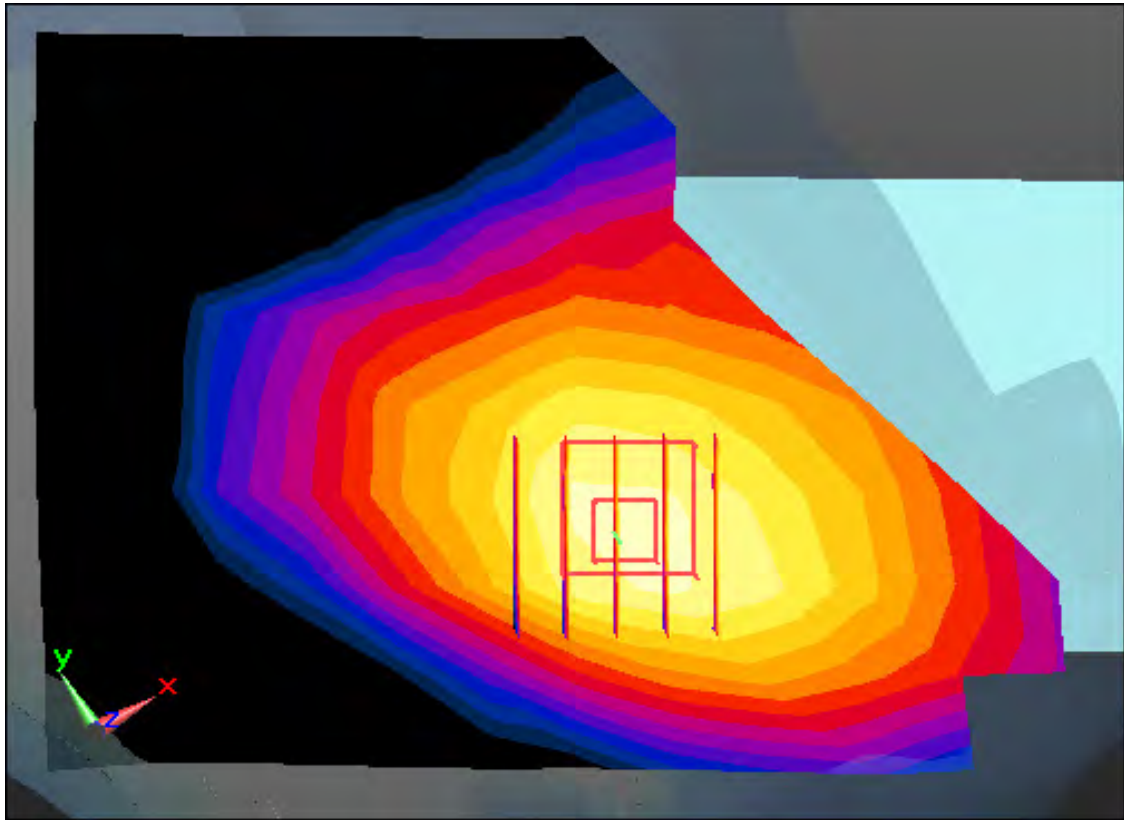
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.135 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.079 W/kg**



0 dB = 0.123 W/kg



Enlarged Plot for A1

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.897$  S/m;  $\epsilon_r = 41.347$ ;  $\rho = 1000$  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: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

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

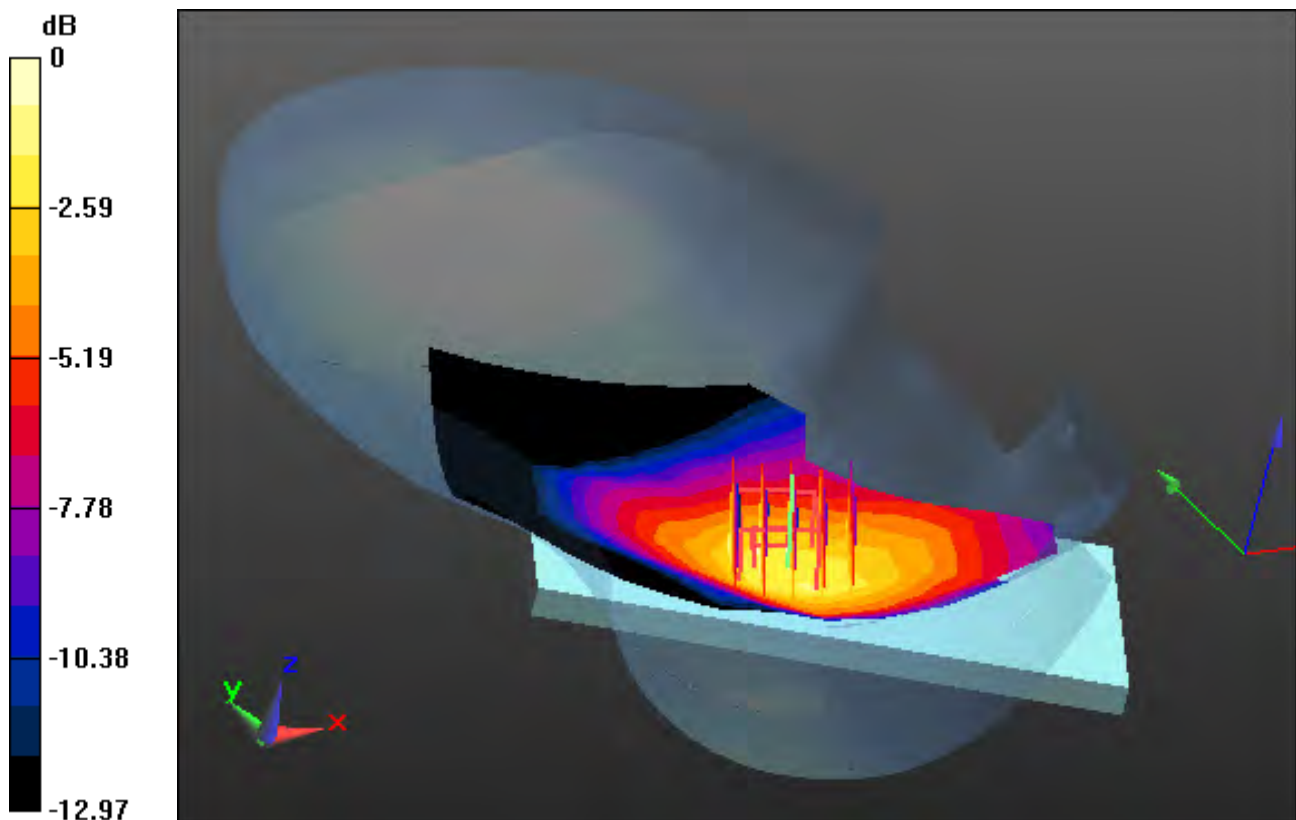
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

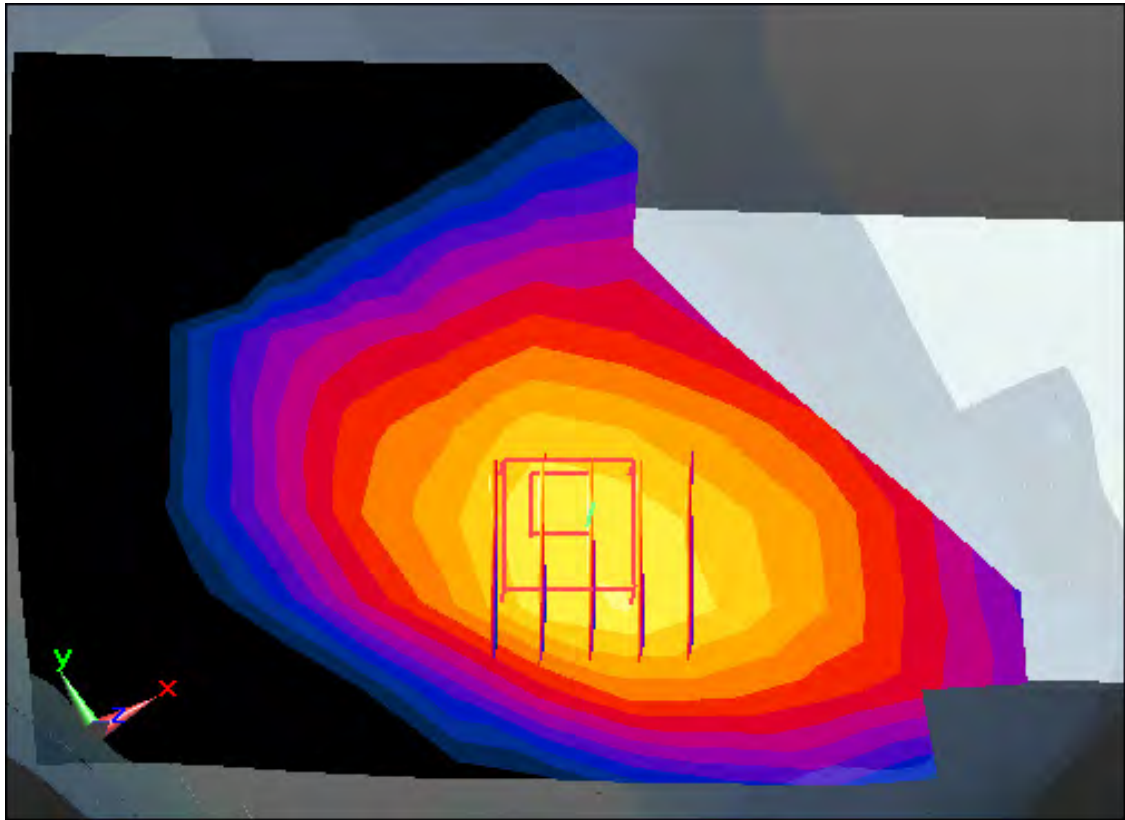
Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.183 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.092 W/kg**



0 dB = 0.164 W/kg



Enlarged Plot for A2

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar;**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 40.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

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

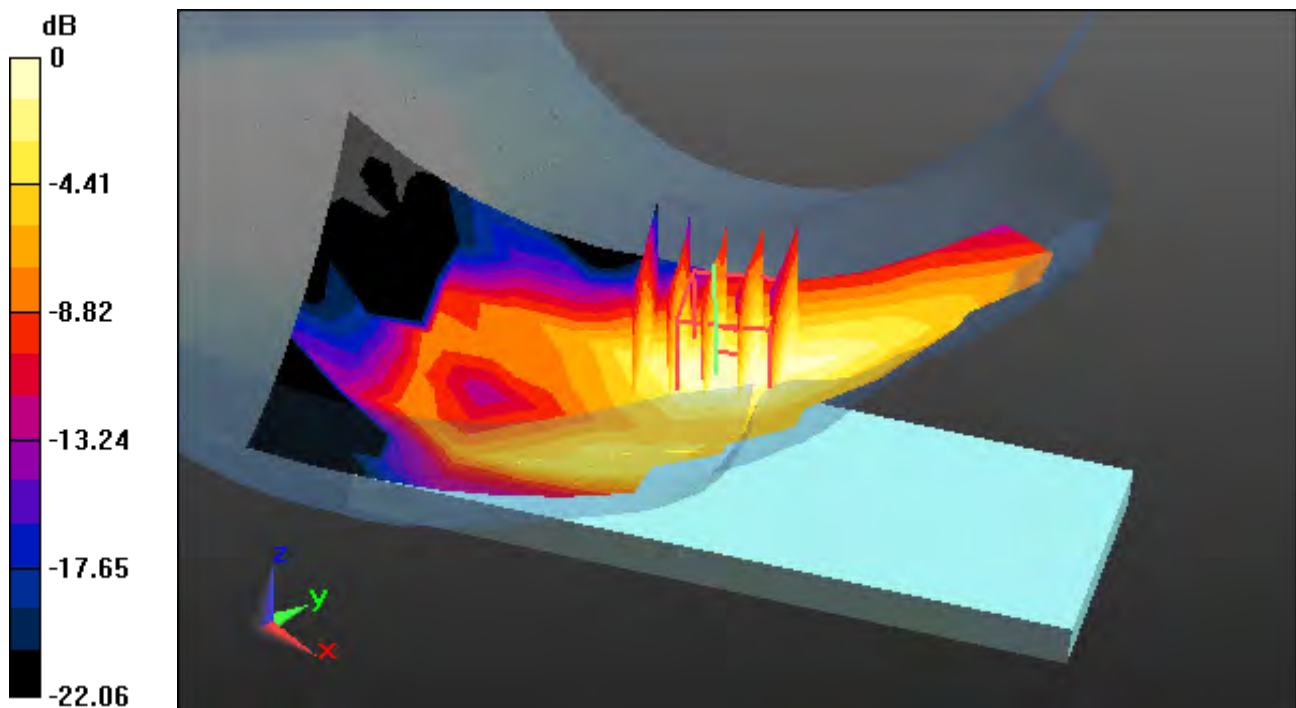
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

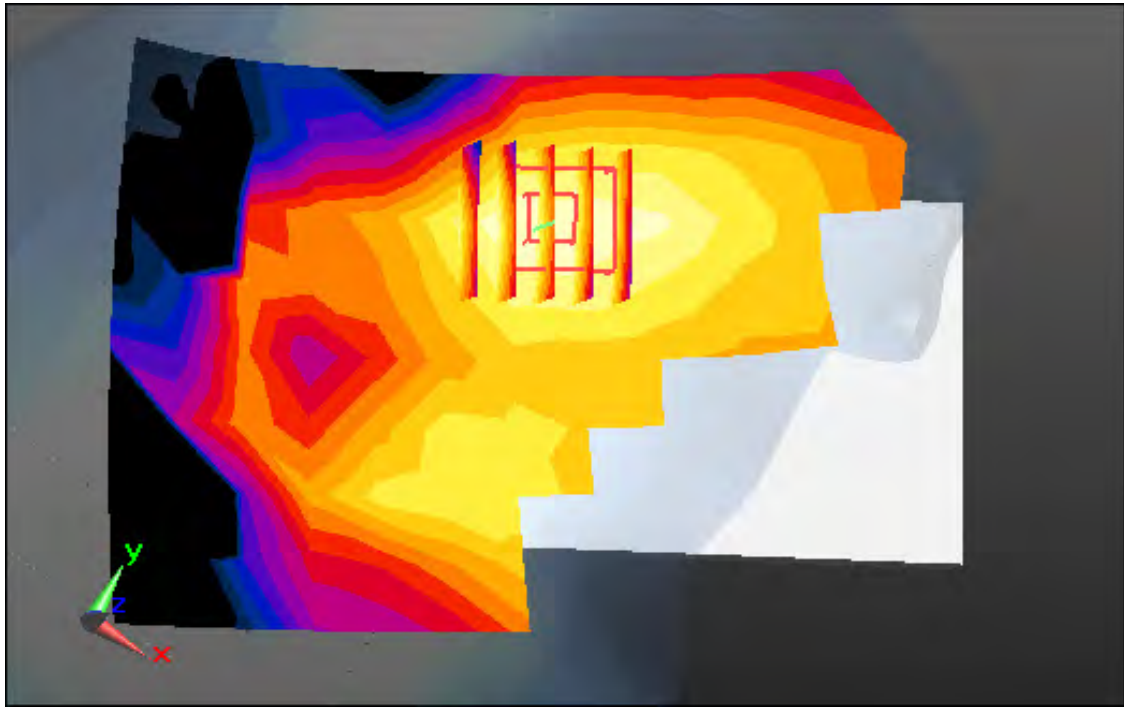
Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0580 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.026 W/kg**



0 dB = 0.0490 W/kg



Enlarged Plot for A3

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar;**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 40.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

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

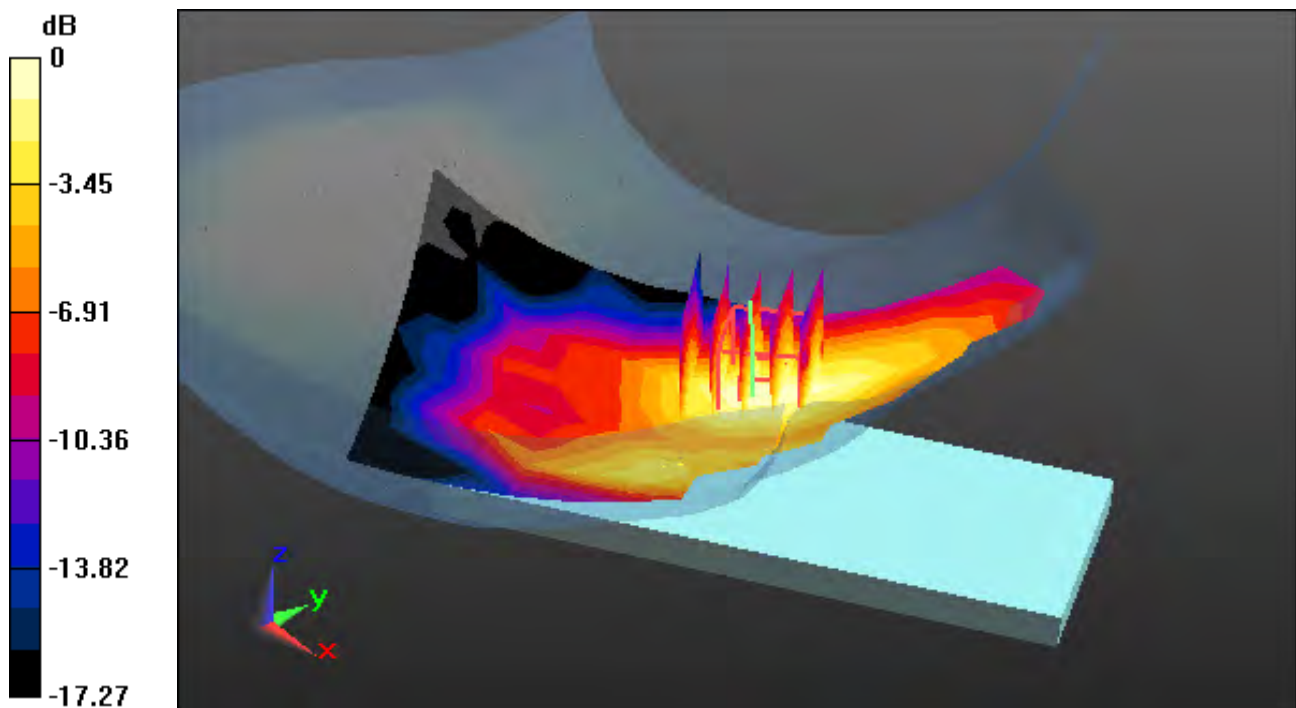
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

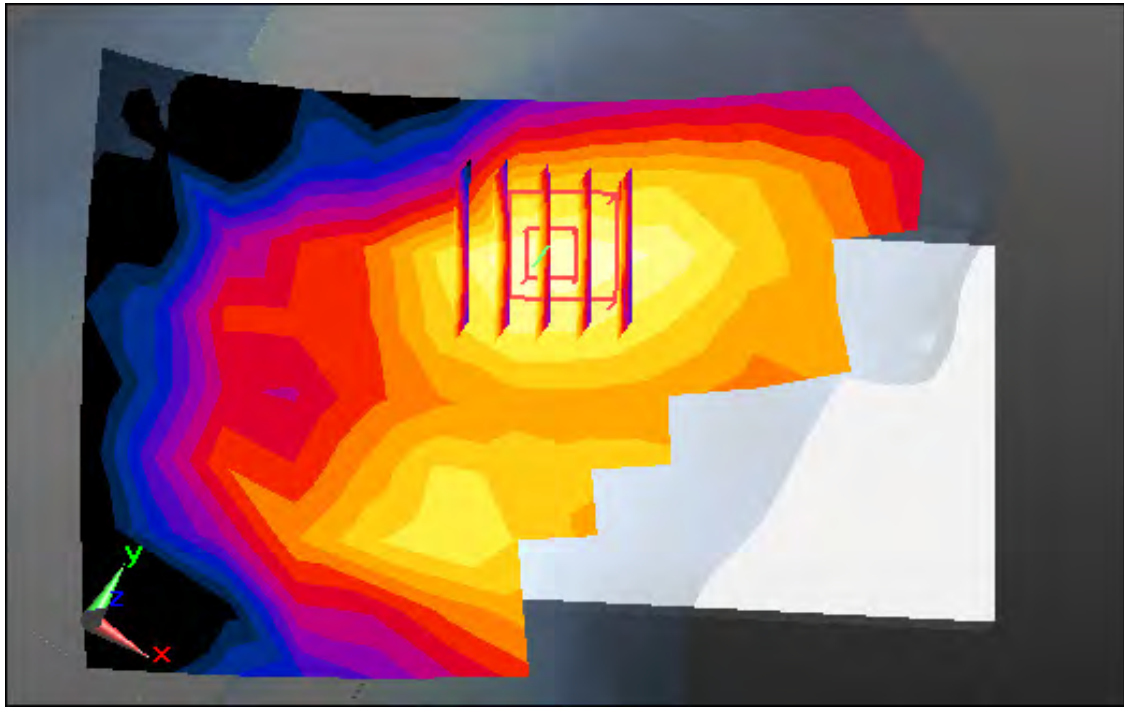
Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0870 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.036 W/kg**



0 dB = 0.0708 W/kg



Enlarged Plot for A4

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.897 \text{ S/m}$ ;  $\epsilon_r = 41.347$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

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

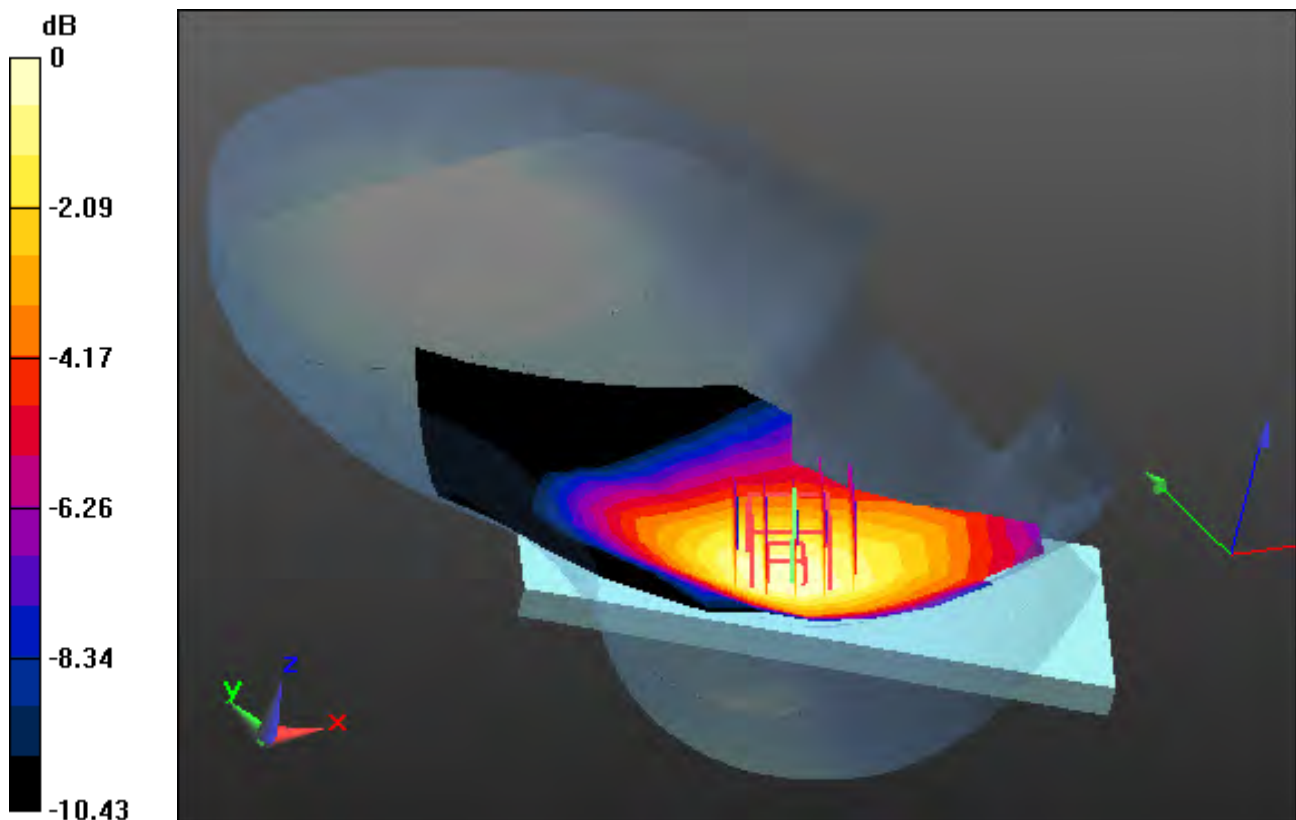
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

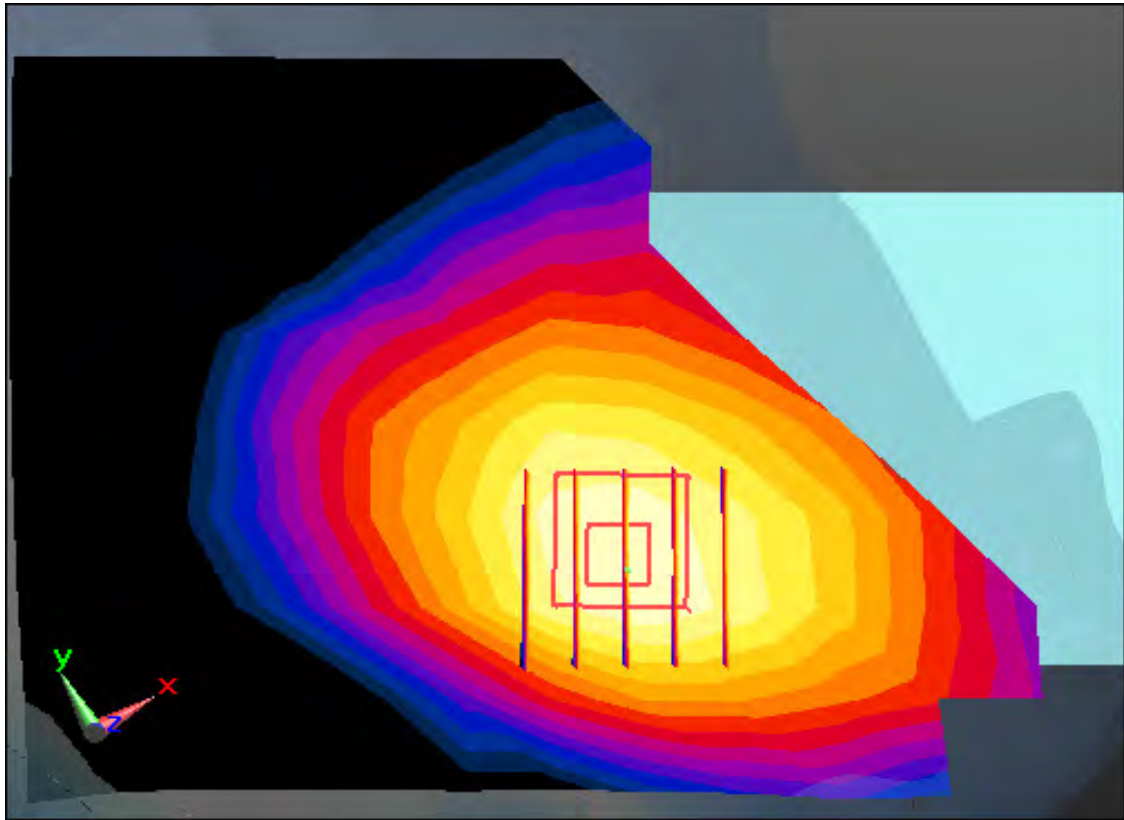
Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.194 W/kg

**SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.114 W/kg**



0 dB = 0.174 W/kg



Enlarged Plot for A5

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar;**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 40.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

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

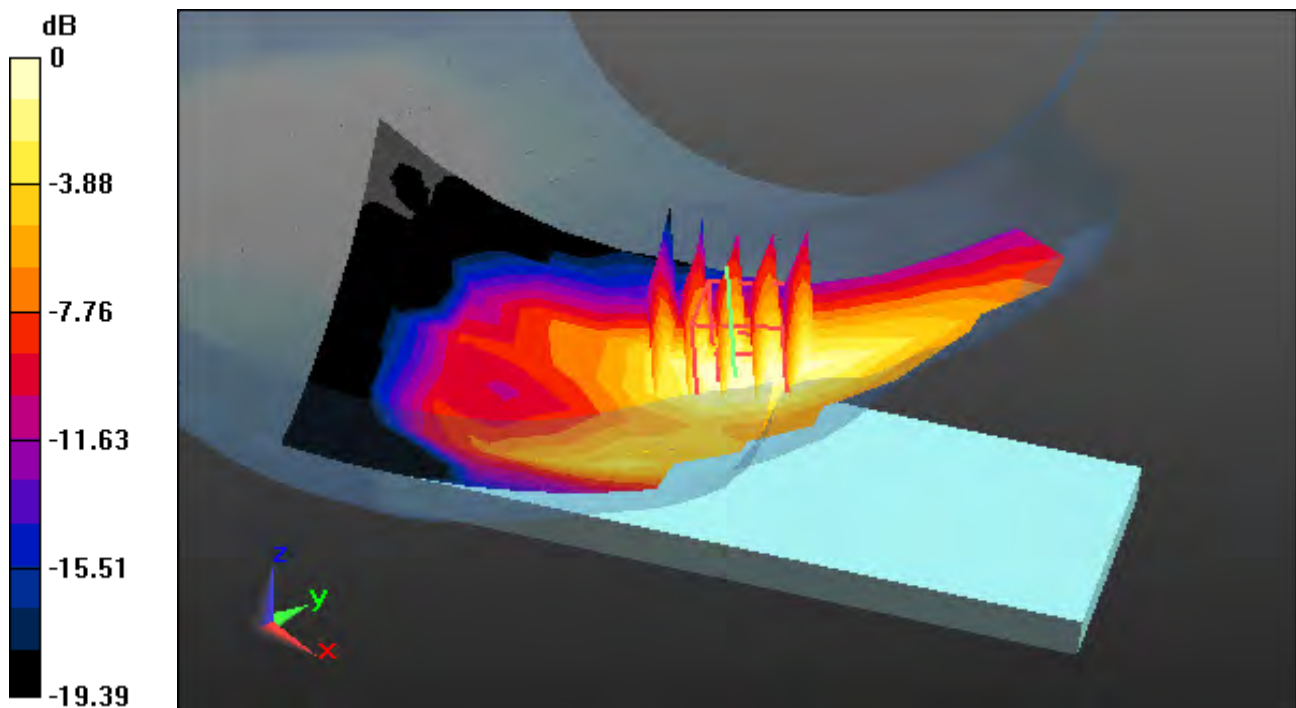
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

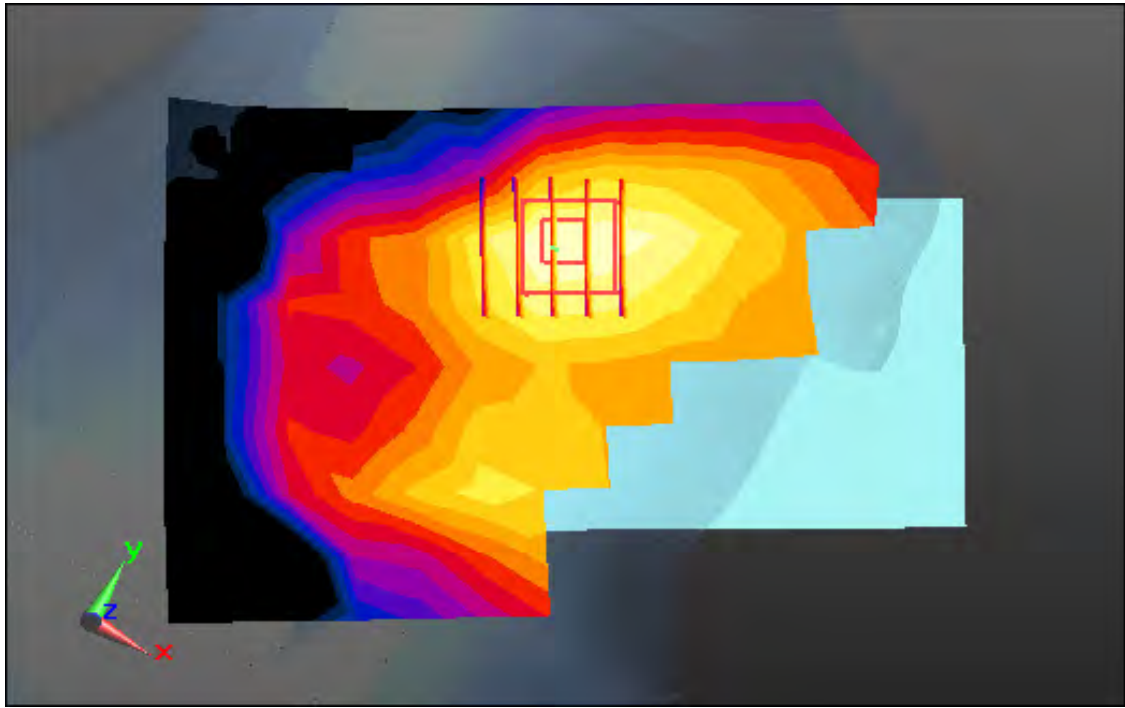
Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.140 W/kg

**SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.061 W/kg**



0 dB = 0.118 W/kg



Enlarged Plot for A6

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.875 \text{ S/m}$ ;  $\epsilon_r = 43.282$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.68, 10.68, 10.68); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.4

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

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

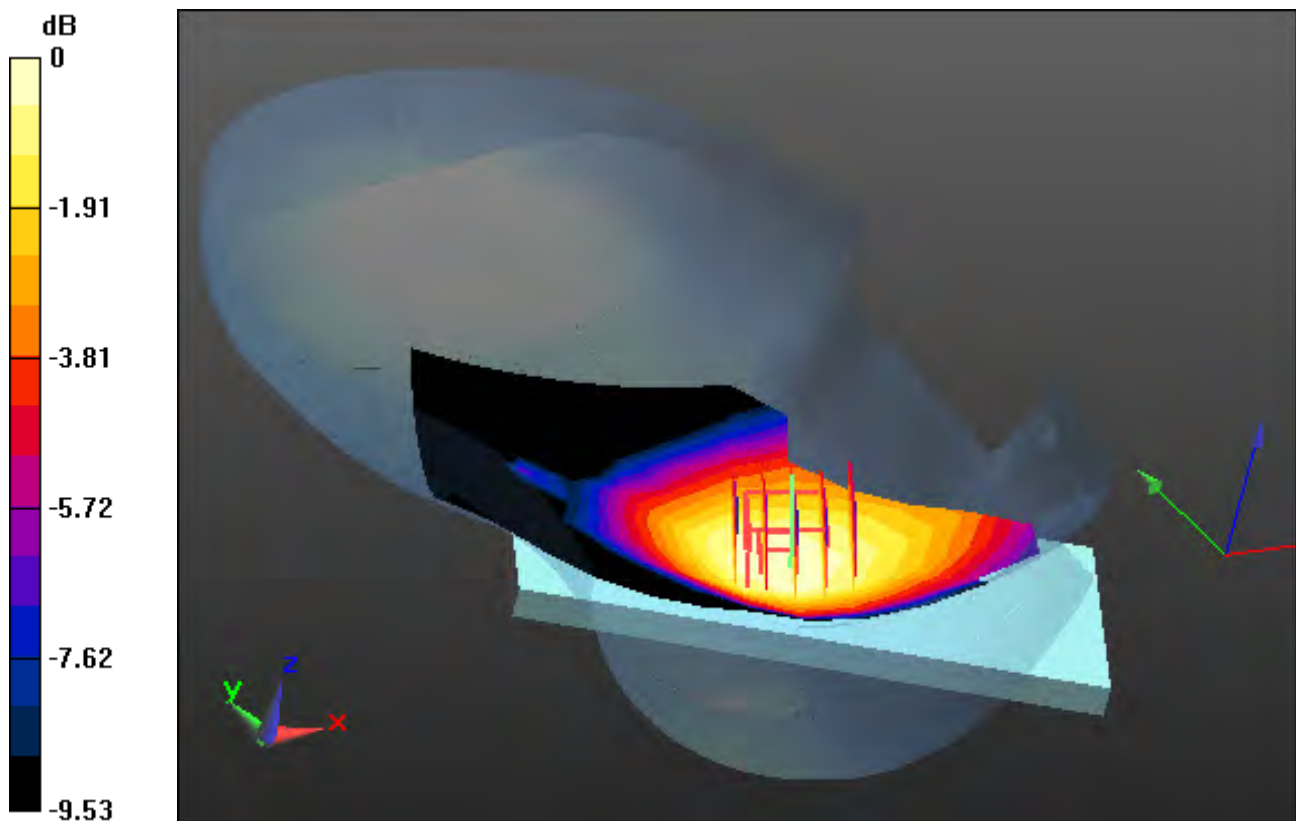
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

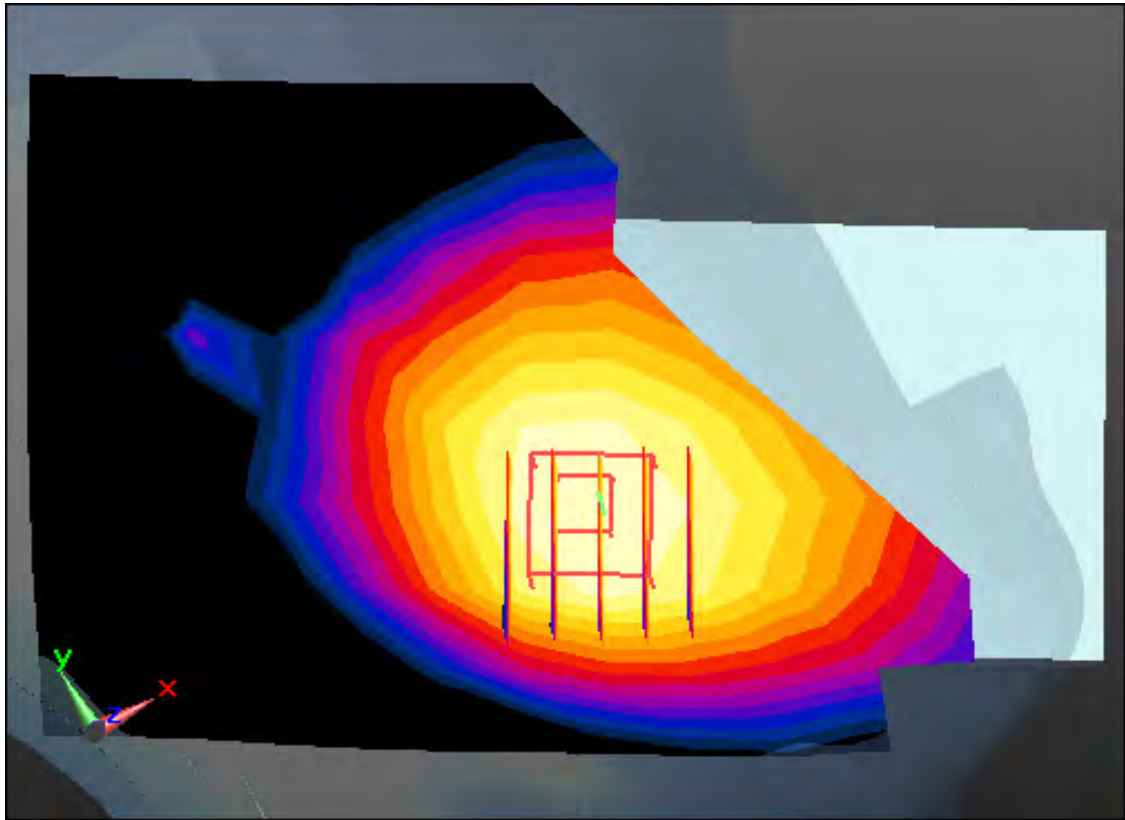
Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.155 W/kg

**SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.101 W/kg**



0 dB = 0.142 W/kg



Enlarged Plot for A7

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.897 \text{ S/m}$ ;  $\epsilon_r = 41.347$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

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

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

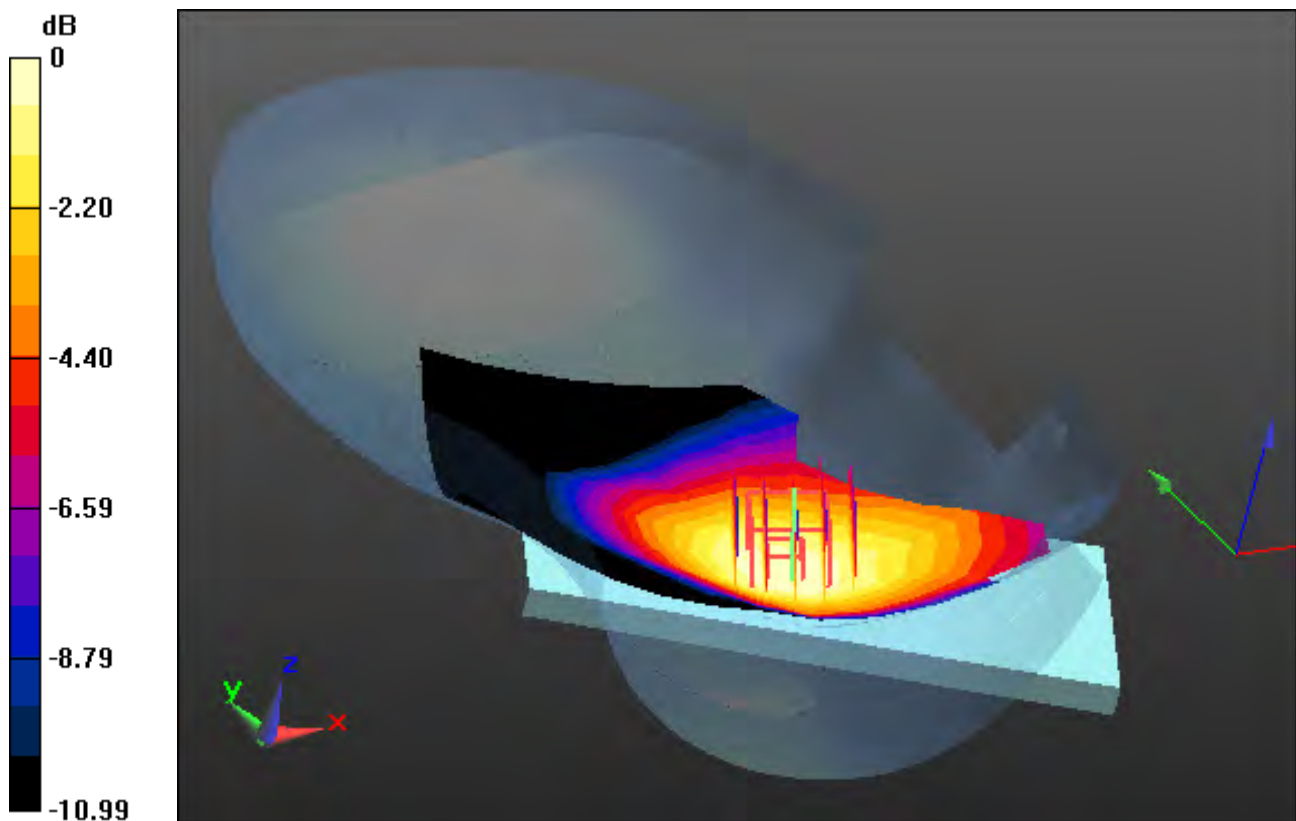
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

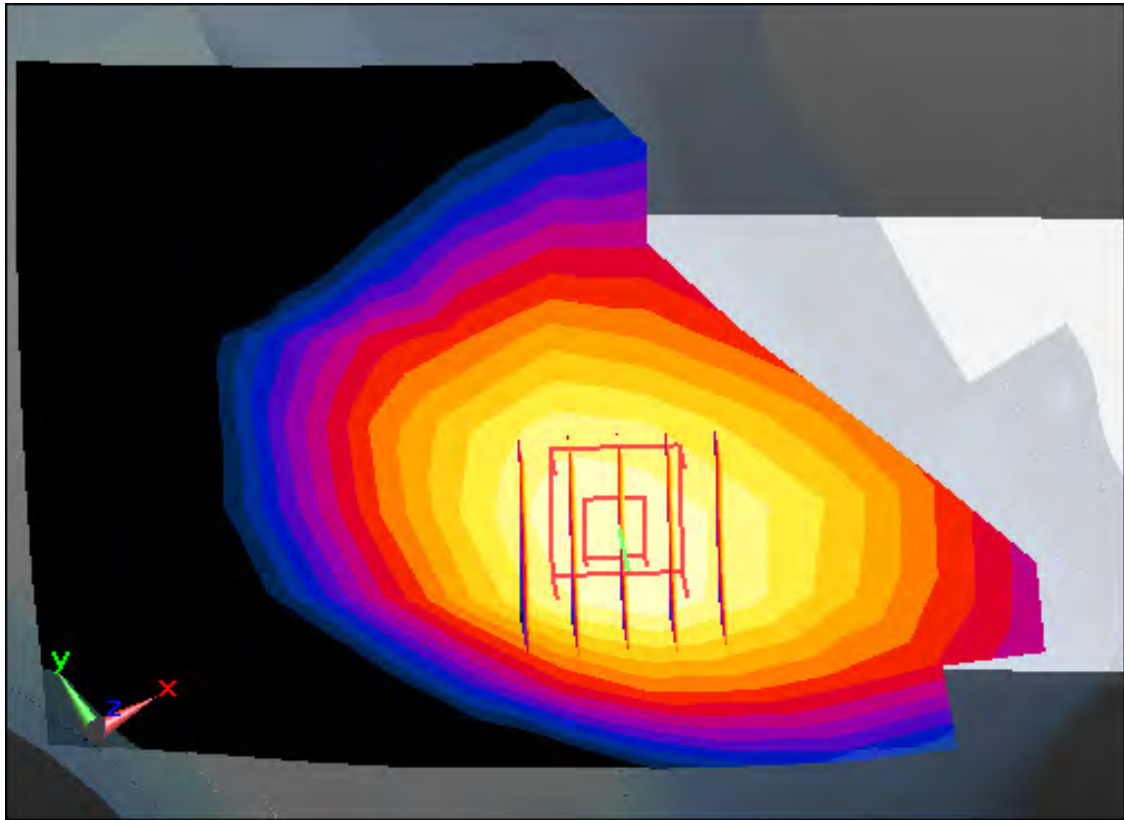
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.197 W/kg

**SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.118 W/kg**



0 dB = 0.177 W/kg



Enlarged Plot for A8

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.378$  S/m;  $\epsilon_r = 38.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.1, 8.1, 8.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.7

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

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

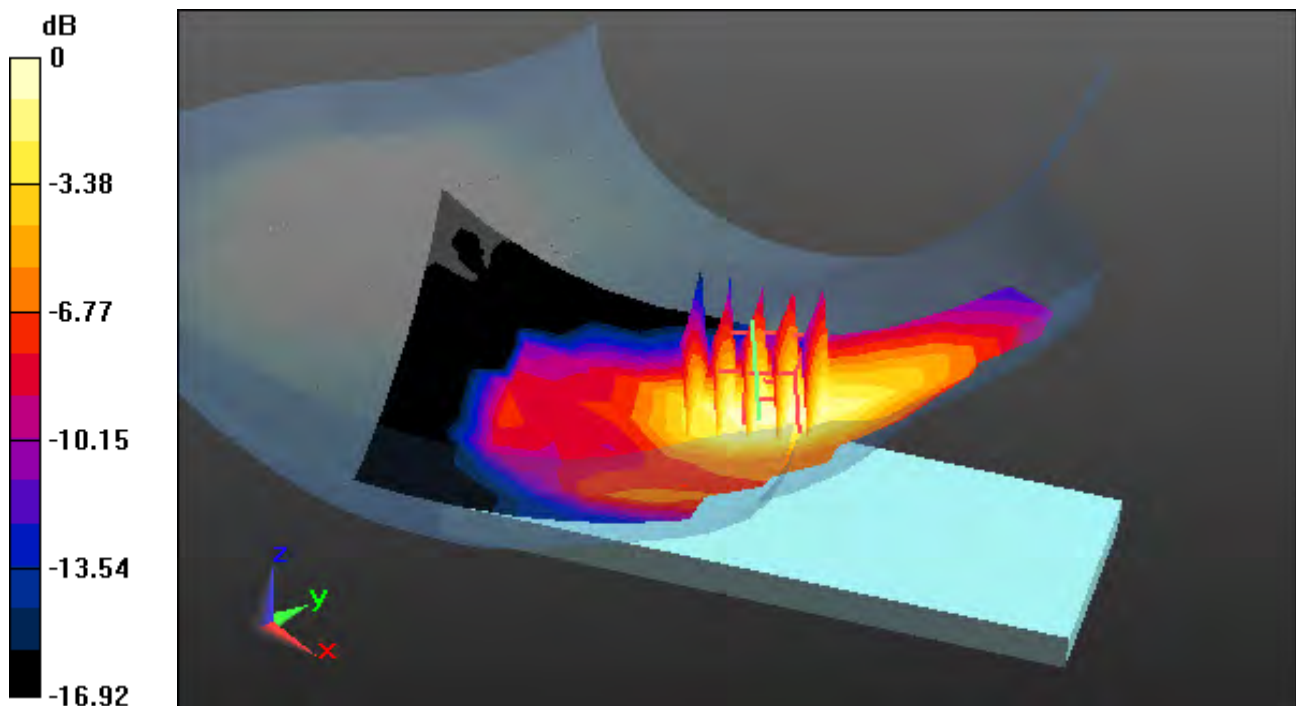
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

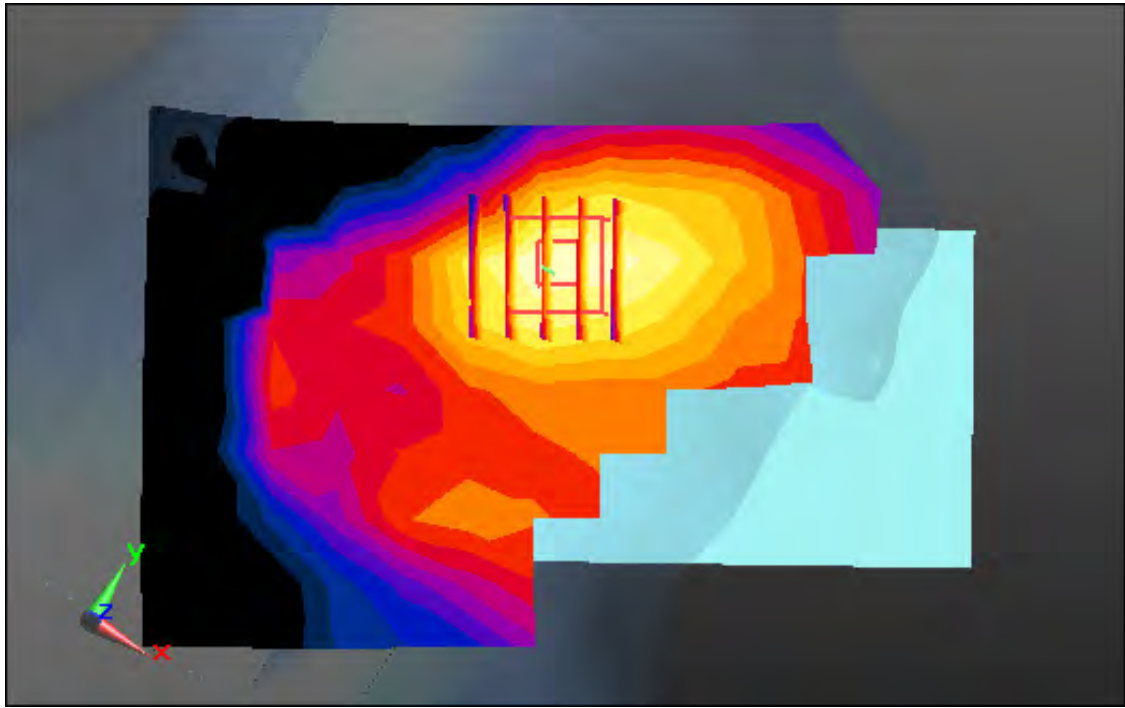
Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.150 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.070 W/kg**



0 dB = 0.127 W/kg



Enlarged Plot for A9

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.394$  S/m;  $\epsilon_r = 40.824$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 22.0

**Right Touch, LTE Band 2 Ch. 18700, Ant Internal, Standard Battery**

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

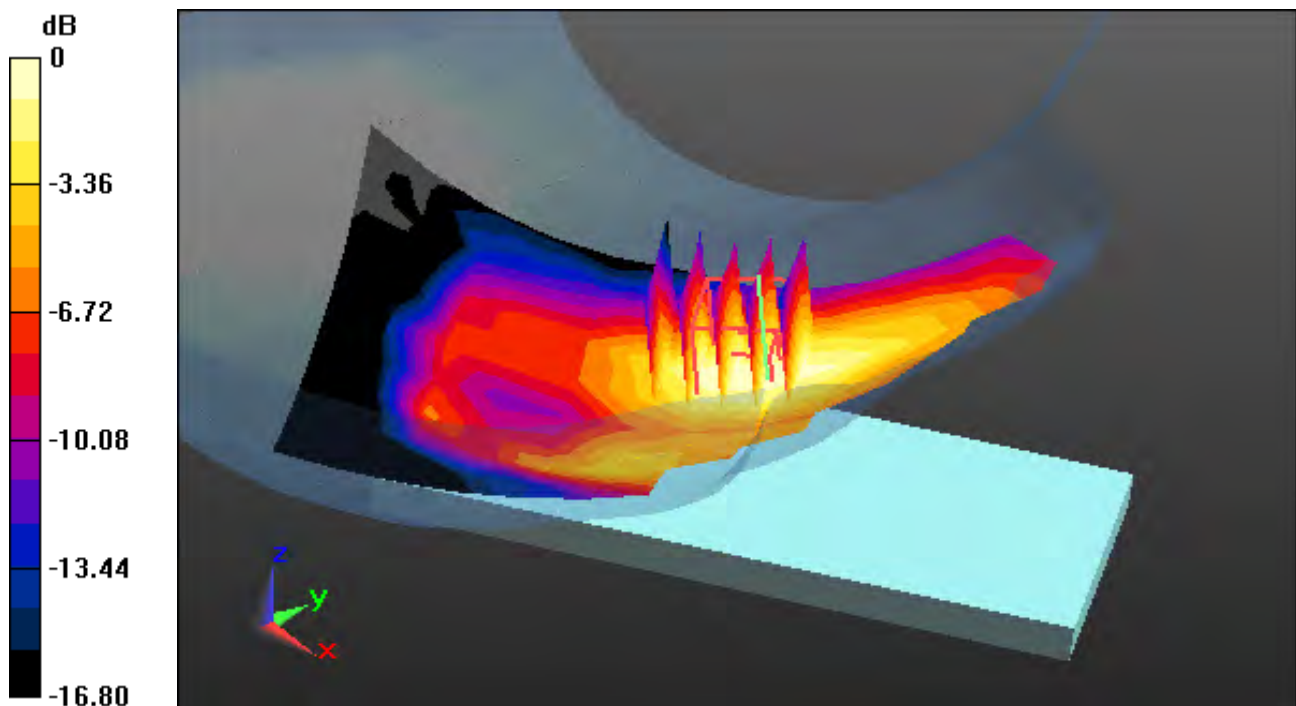
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

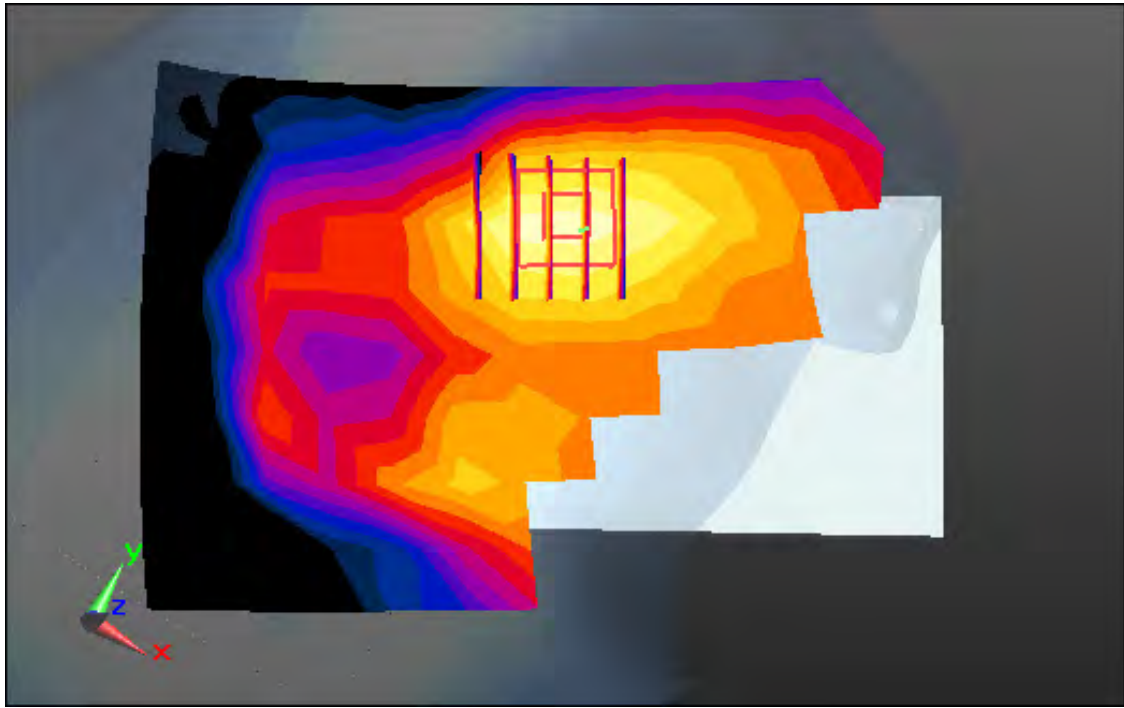
Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.134 W/kg

**SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.057 W/kg**



0 dB = 0.107 W/kg



Enlarged Plot for A10

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.065$  S/m;  $\epsilon_r = 37.807$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.6

**Left Touch, LTE Band 41 Ch. 41490, Ant Internal, Standard Battery**

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

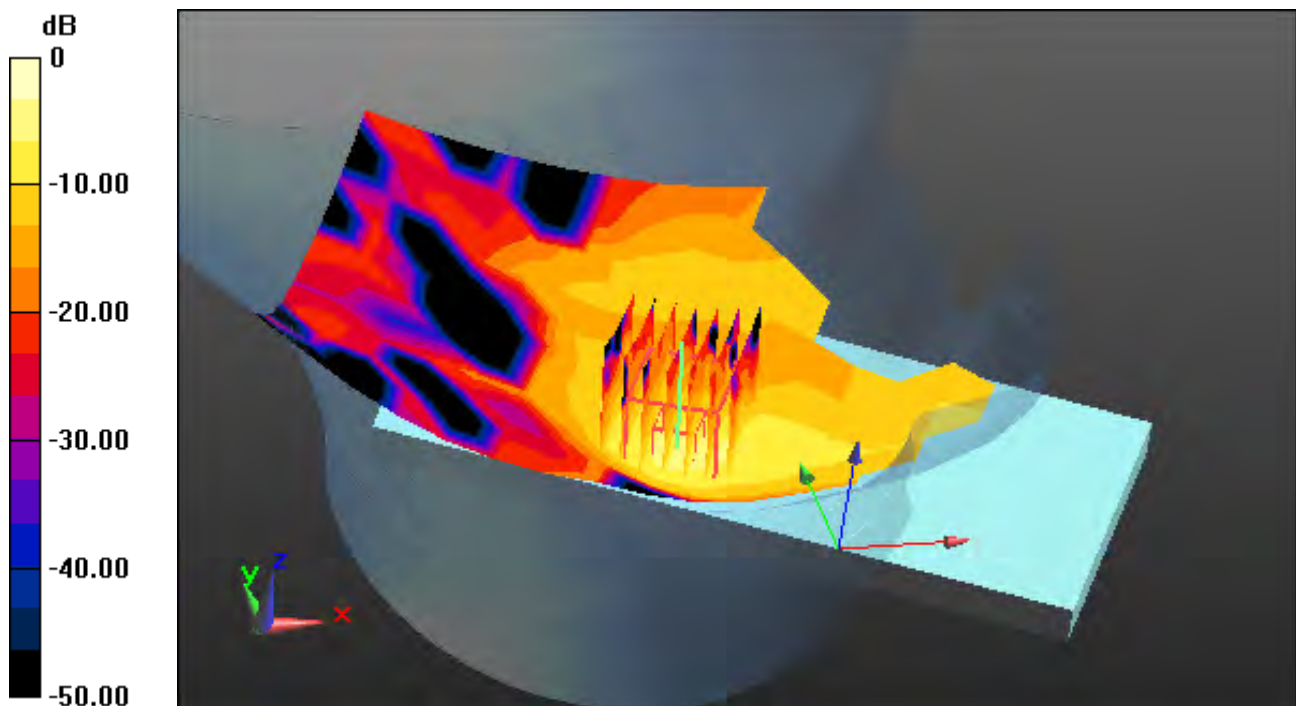
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

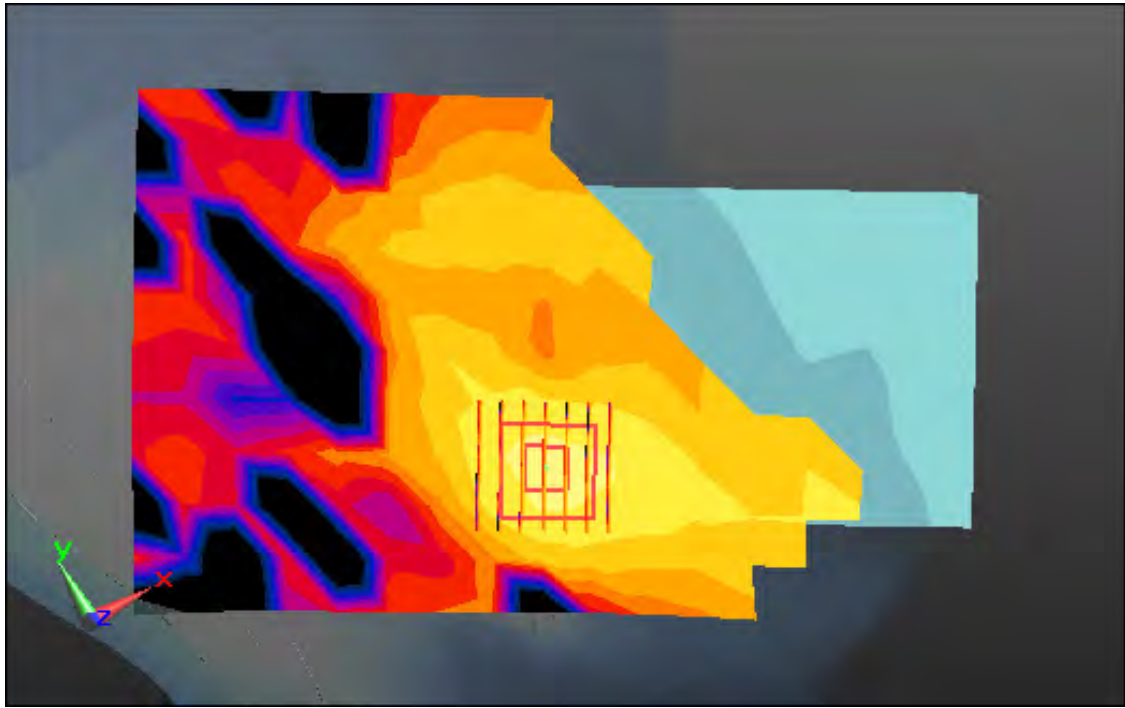
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.019 W/kg**



0 dB = 0.176 W/kg



Enlarged Plot for A11

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.808 \text{ S/m}$ ;  $\epsilon_r = 38.576$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

**Right Touch, WLAN(802.11b) Ch. 1, Ant Internal, Standard Battery, Ant.1**

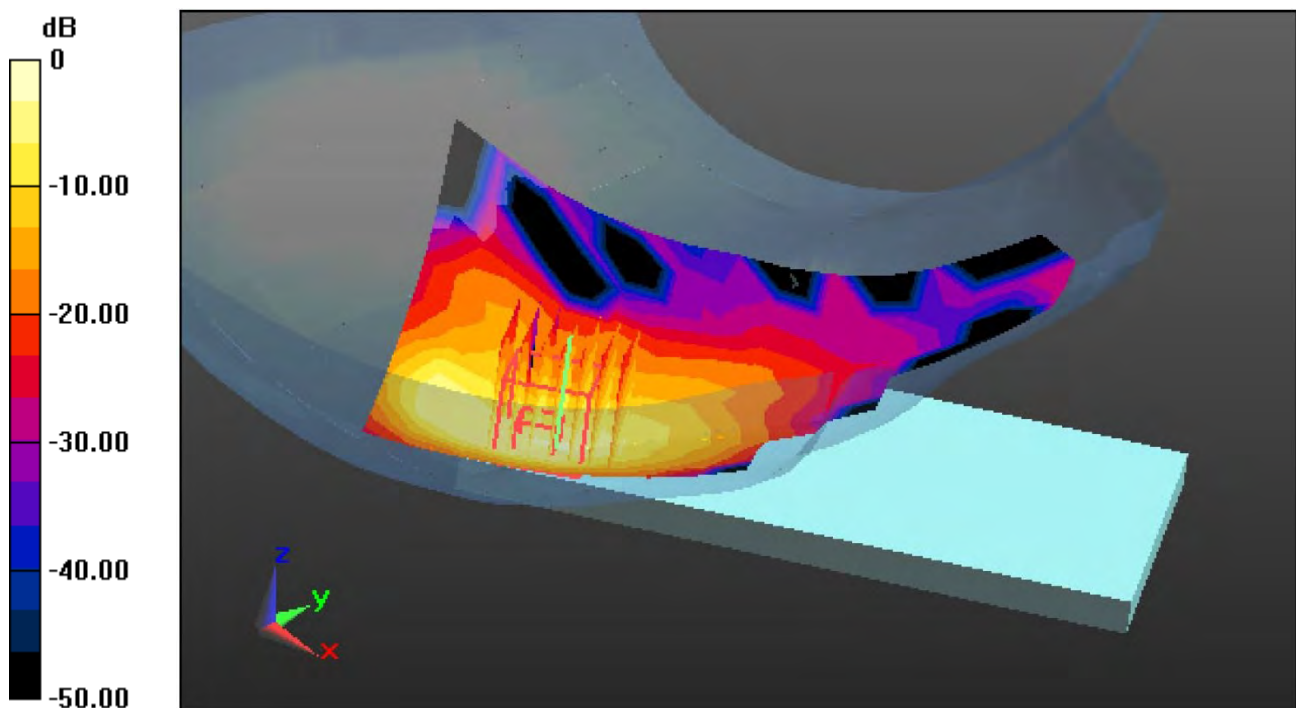
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

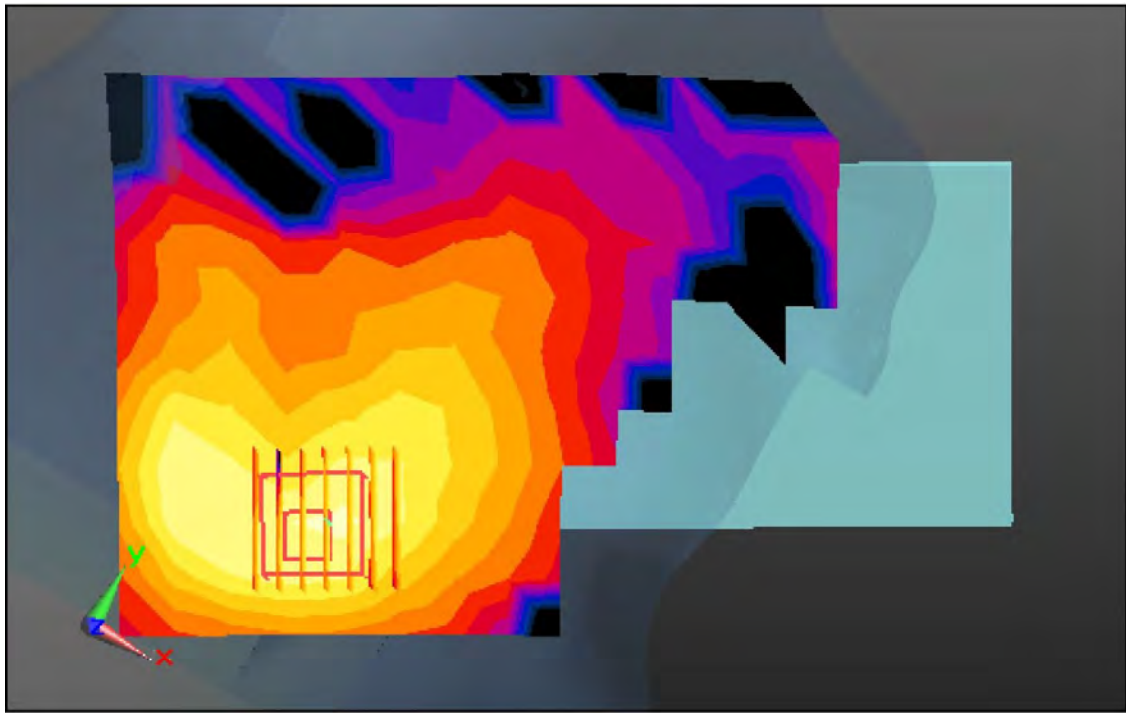
Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.773 W/kg

**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.145 W/kg**



0 dB = 0.774 W/kg



Enlarged Plot for A12

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.865$  S/m;  $\epsilon_r = 38.396$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

**Right Touch, WLAN(802.11b) Ch. 11, Ant Internal, Standard Battery, Ant.2**

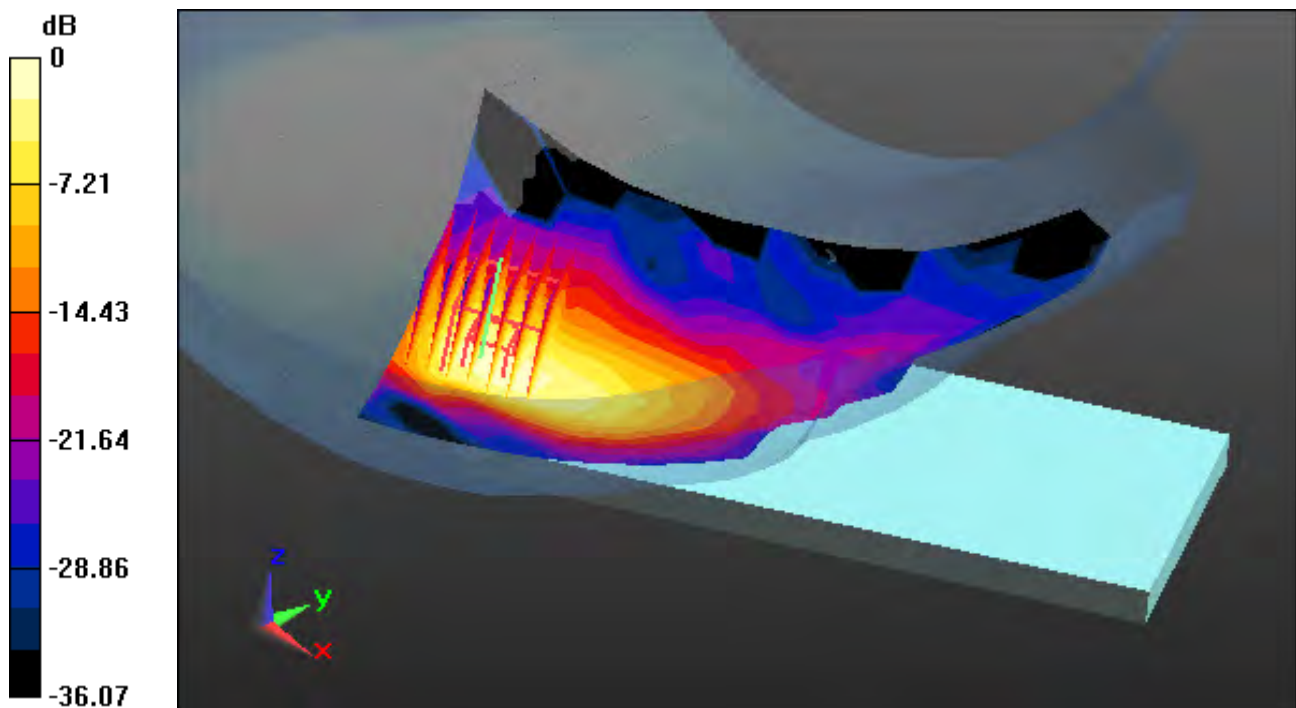
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

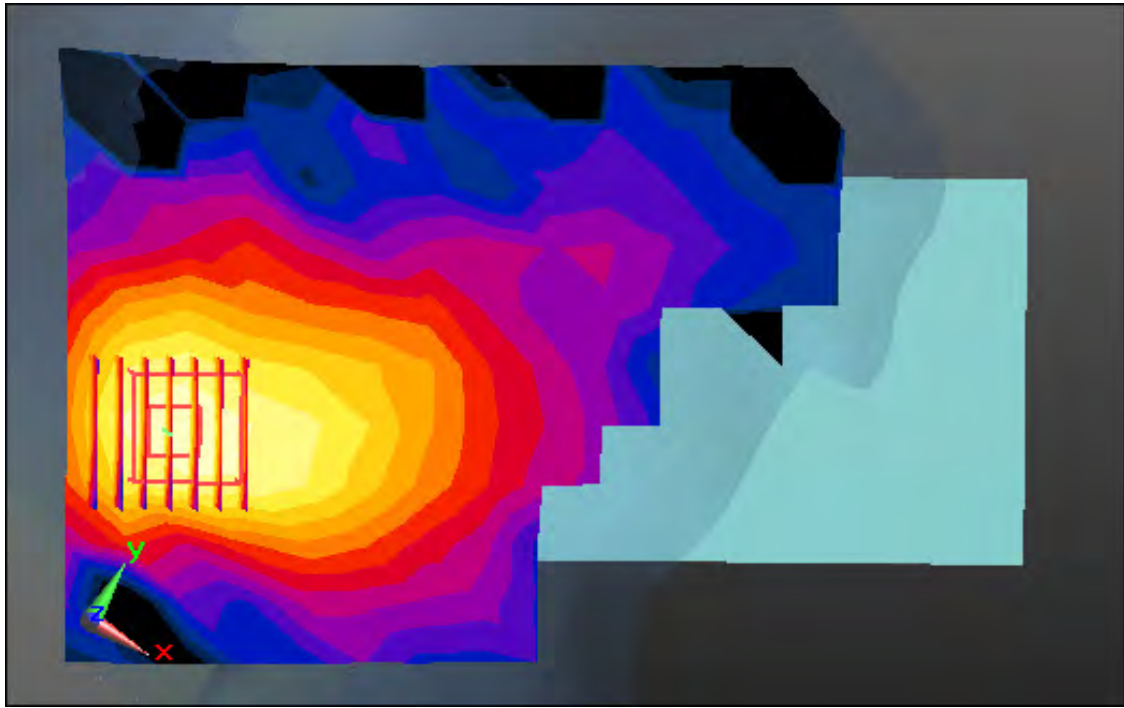
Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.840 W/kg

**SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.172 W/kg**



0 dB = 0.605 W/kg



Enlarged Plot for A13

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.865$  S/m;  $\epsilon_r = 38.396$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

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

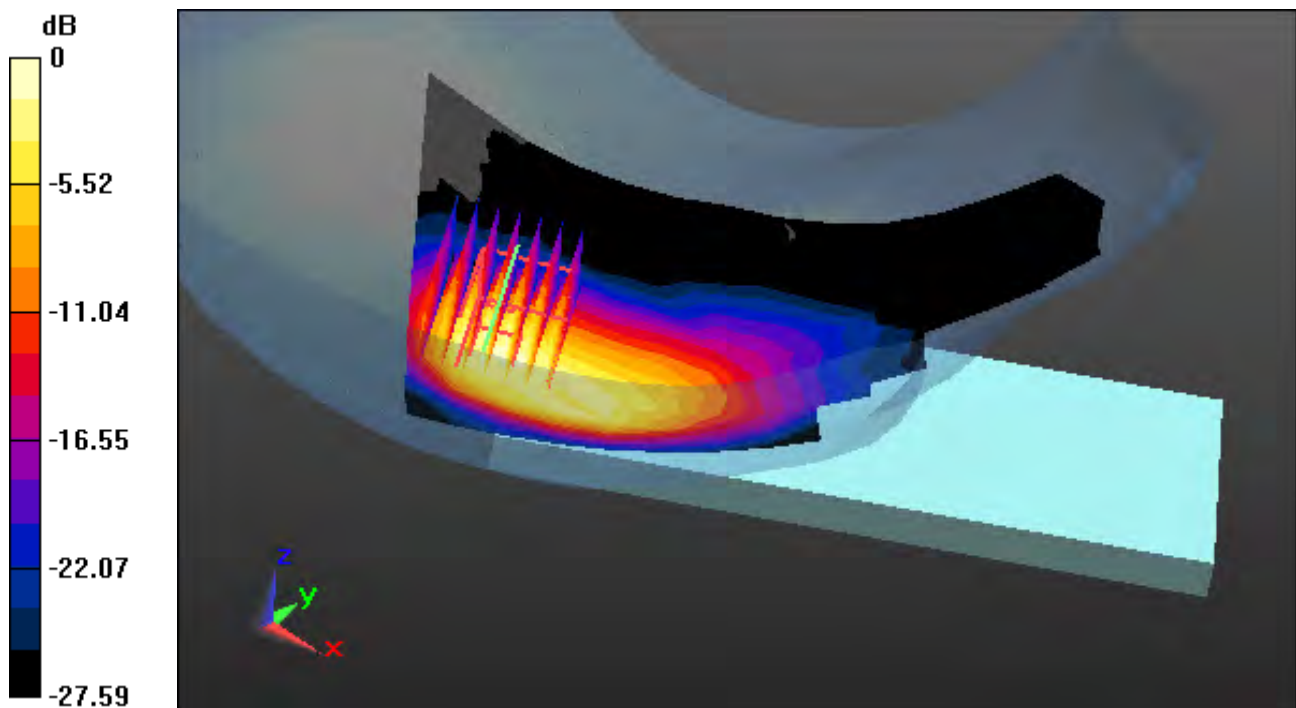
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

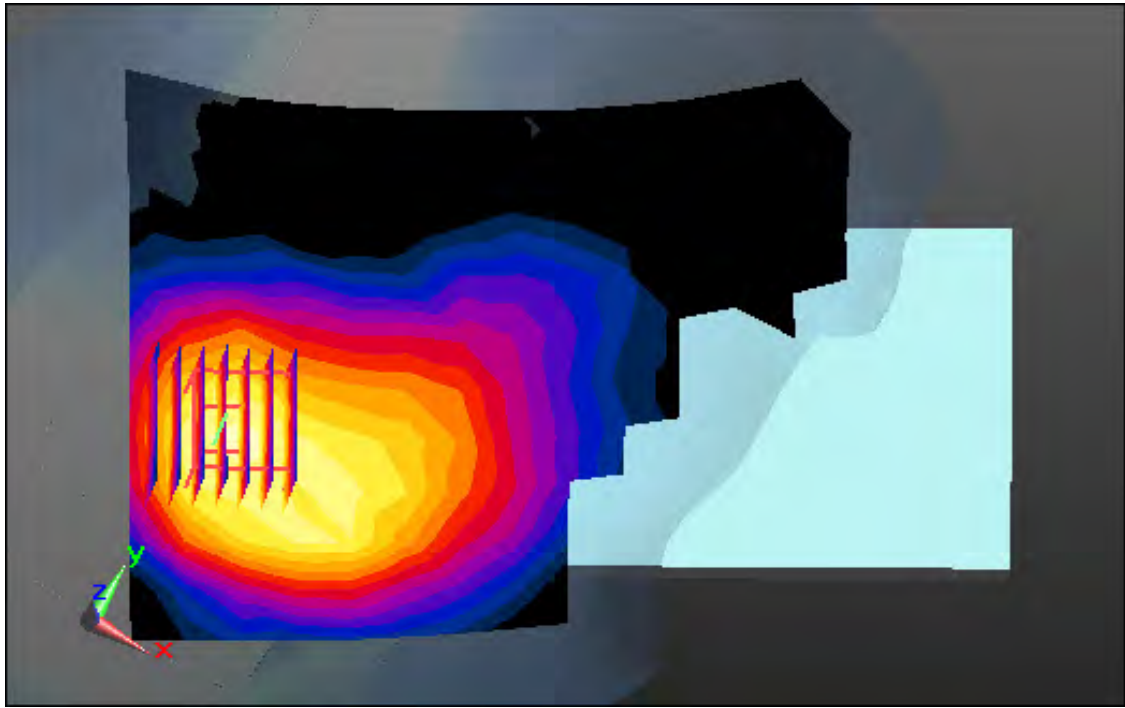
Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.248 W/kg**



0 dB = 0.875 W/kg



Enlarged Plot for A14

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 4.853 \text{ S/m}$ ;  $\epsilon_r = 35.062$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

**Right Touch, WLAN(802.11a) Ch. 64, Ant Internal, Standard Battery, Ant.1**

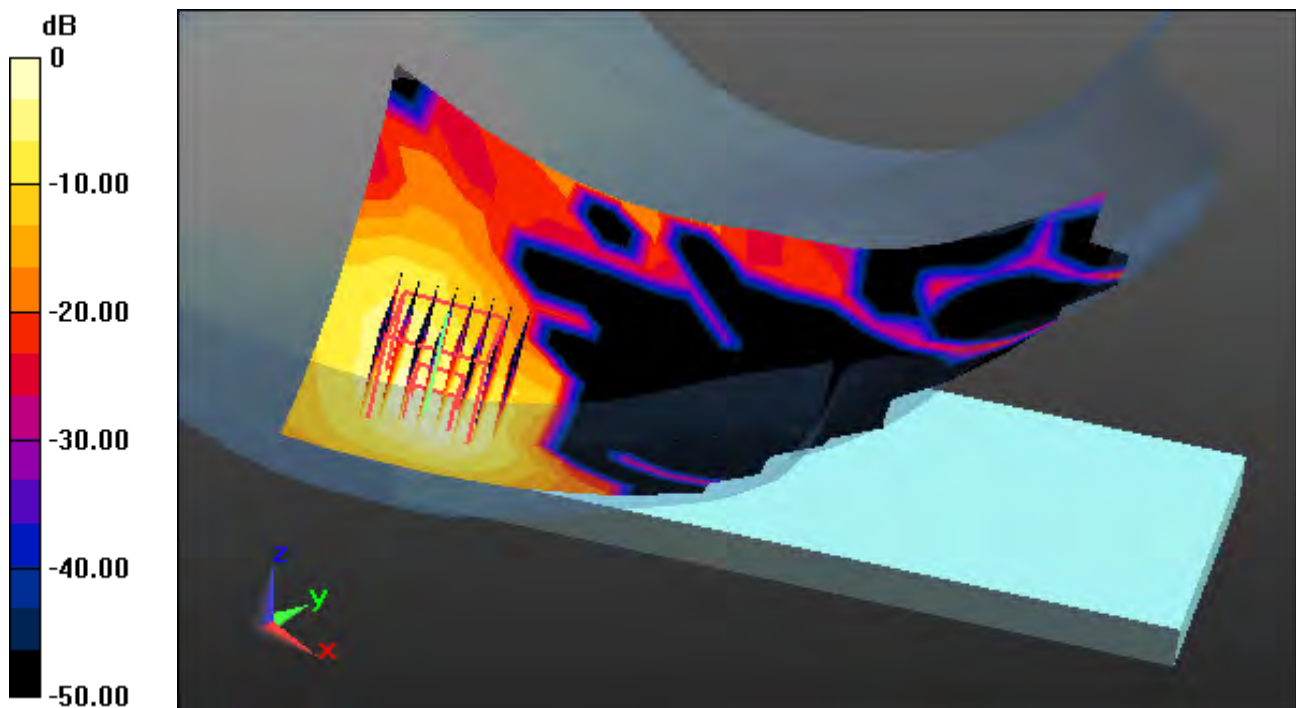
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

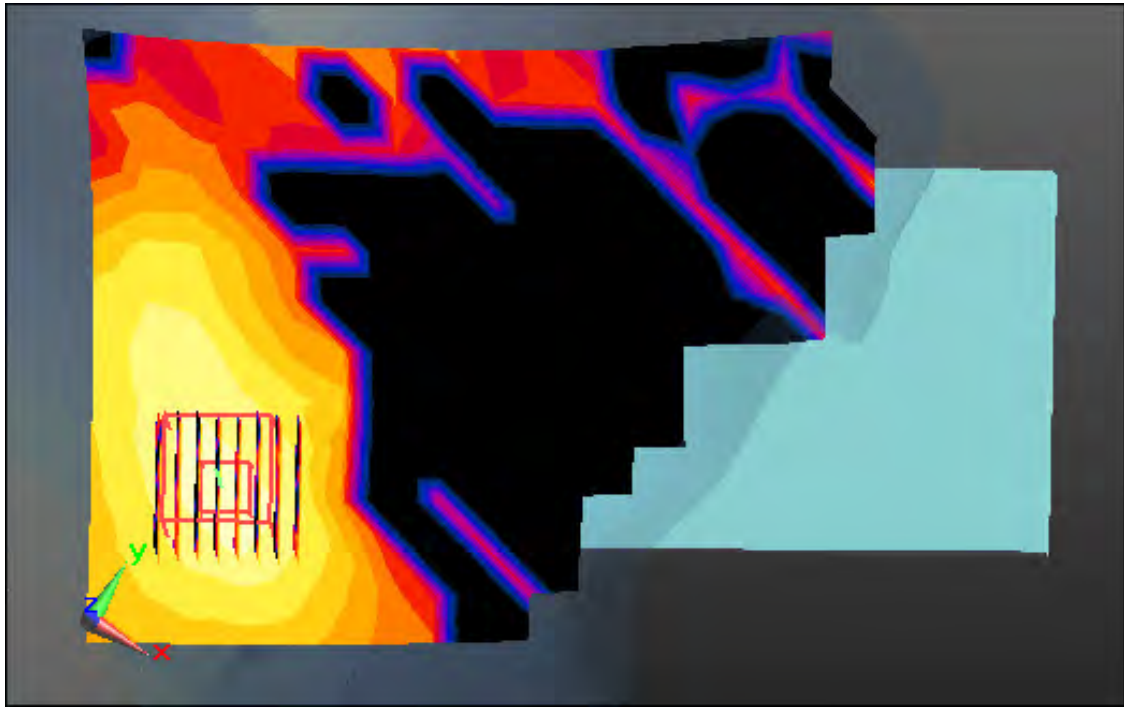
Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.838 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.068 W/kg**



0 dB = 0.494 W/kg



Enlarged Plot for A15

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5280 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 4.808 \text{ S/m}$ ;  $\epsilon_r = 35.121$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

**Right Touch, WLAN(802.11a) Ch. 56, Ant Internal, Standard Battery, Ant.2**

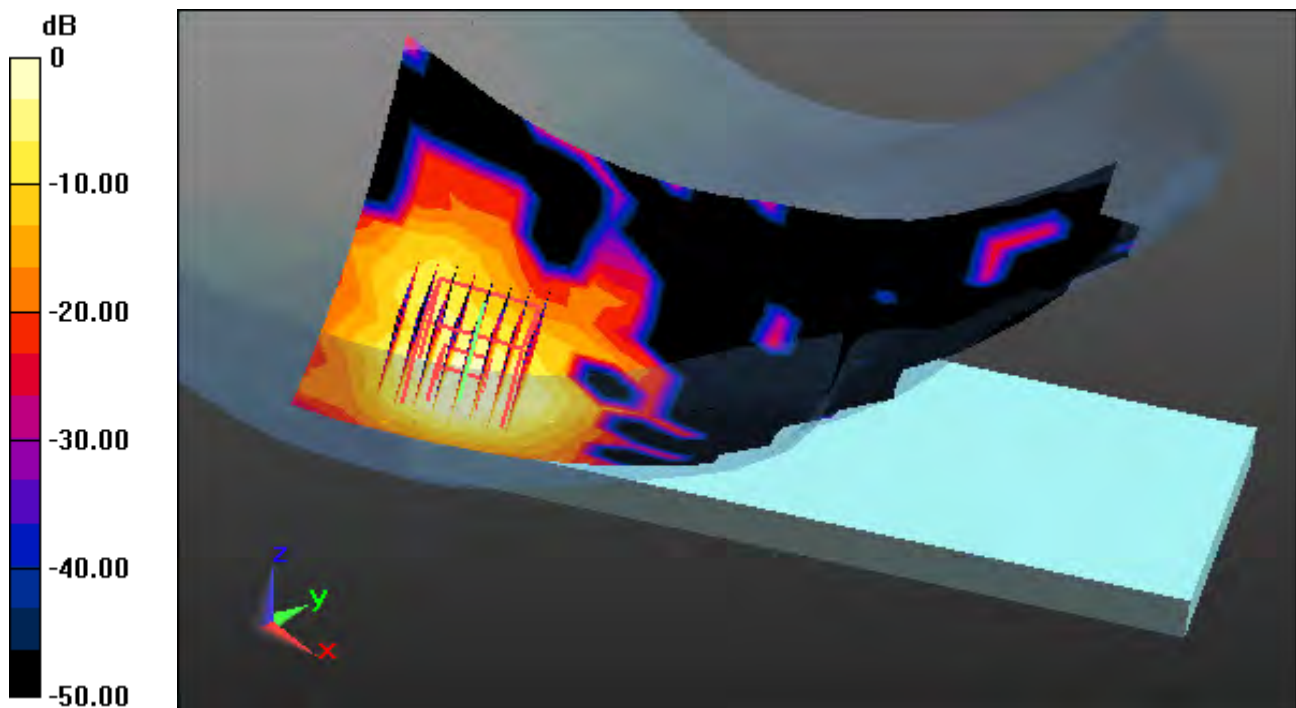
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

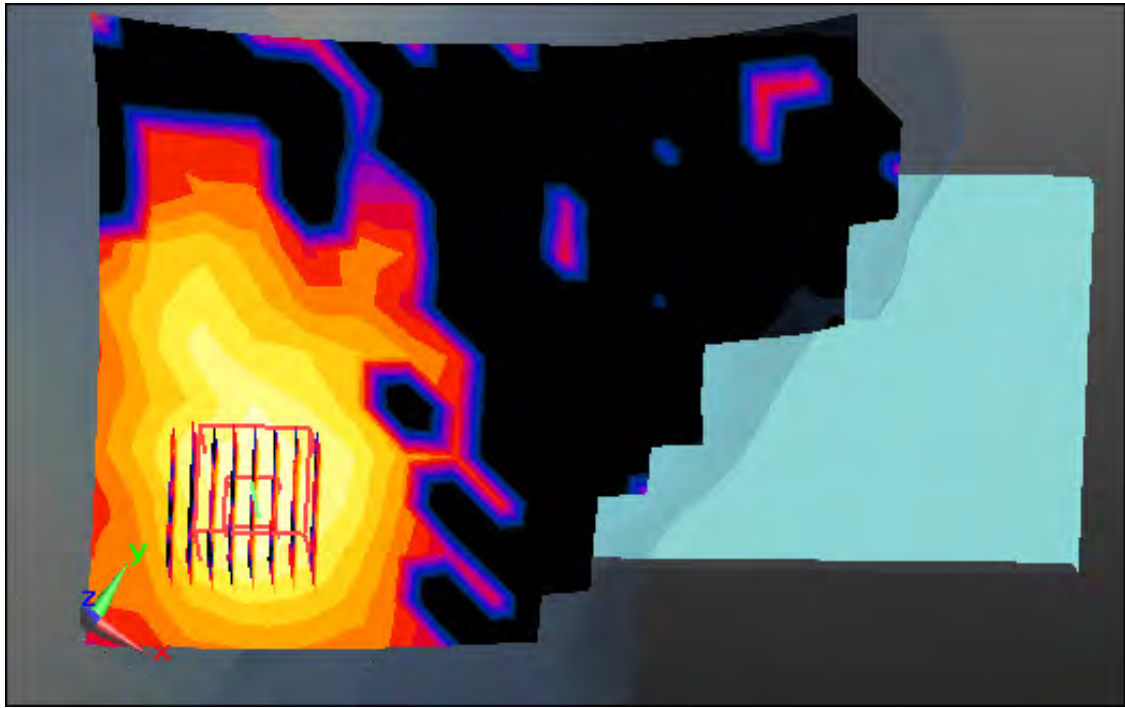
Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.825 W/kg

**SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.067 W/kg**



0 dB = 0.496 W/kg



Enlarged Plot for A16

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5280 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 4.808 \text{ S/m}$ ;  $\epsilon_r = 35.121$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

**Right Touch, WLAN(802.11a) Ch. 56, Ant Internal, Standard Battery, MIMO**

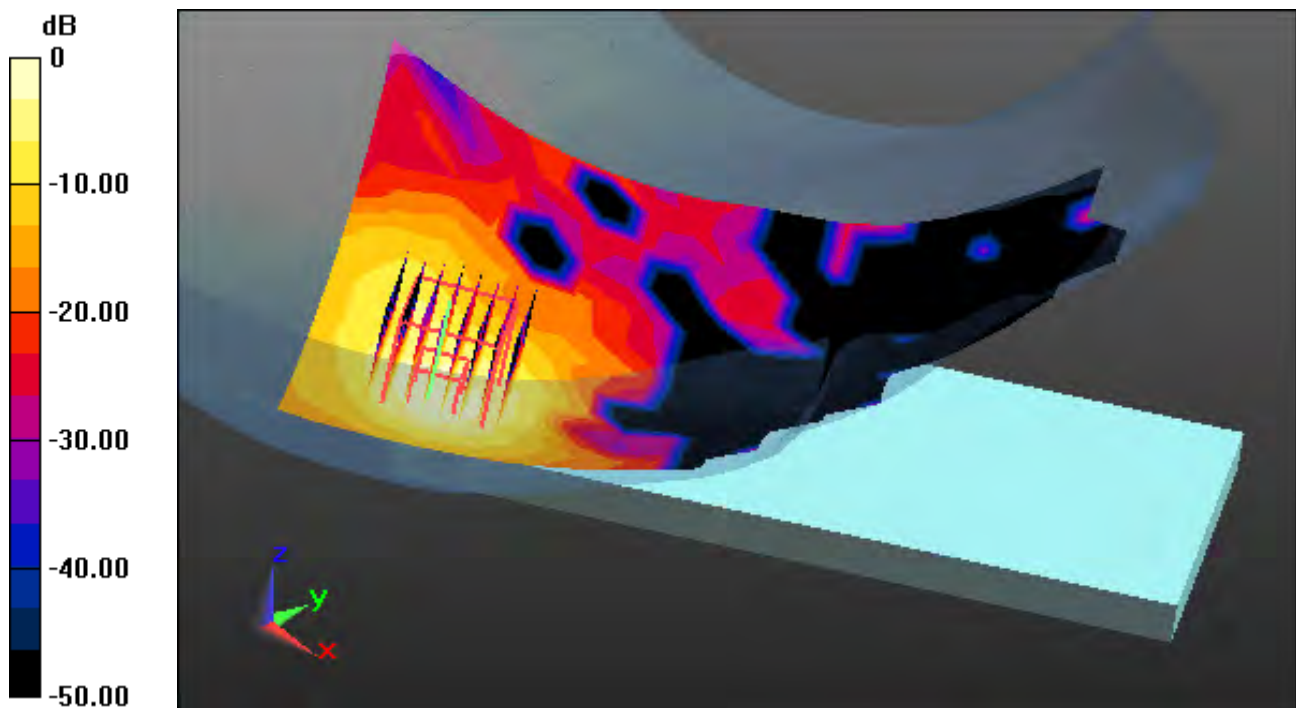
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

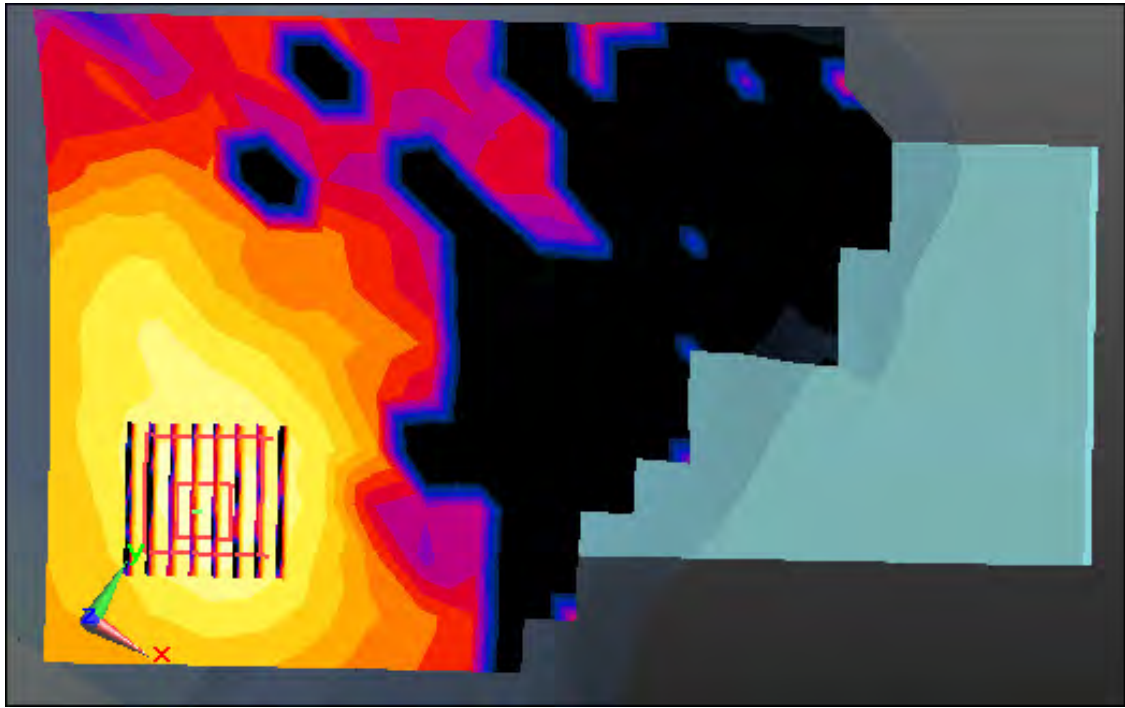
Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.142 W/kg**



0 dB = 1.01 W/kg



Enlarged Plot for A17

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.066 \text{ S/m}$ ;  $\epsilon_r = 35.881$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.55, 4.55, 4.55); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

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

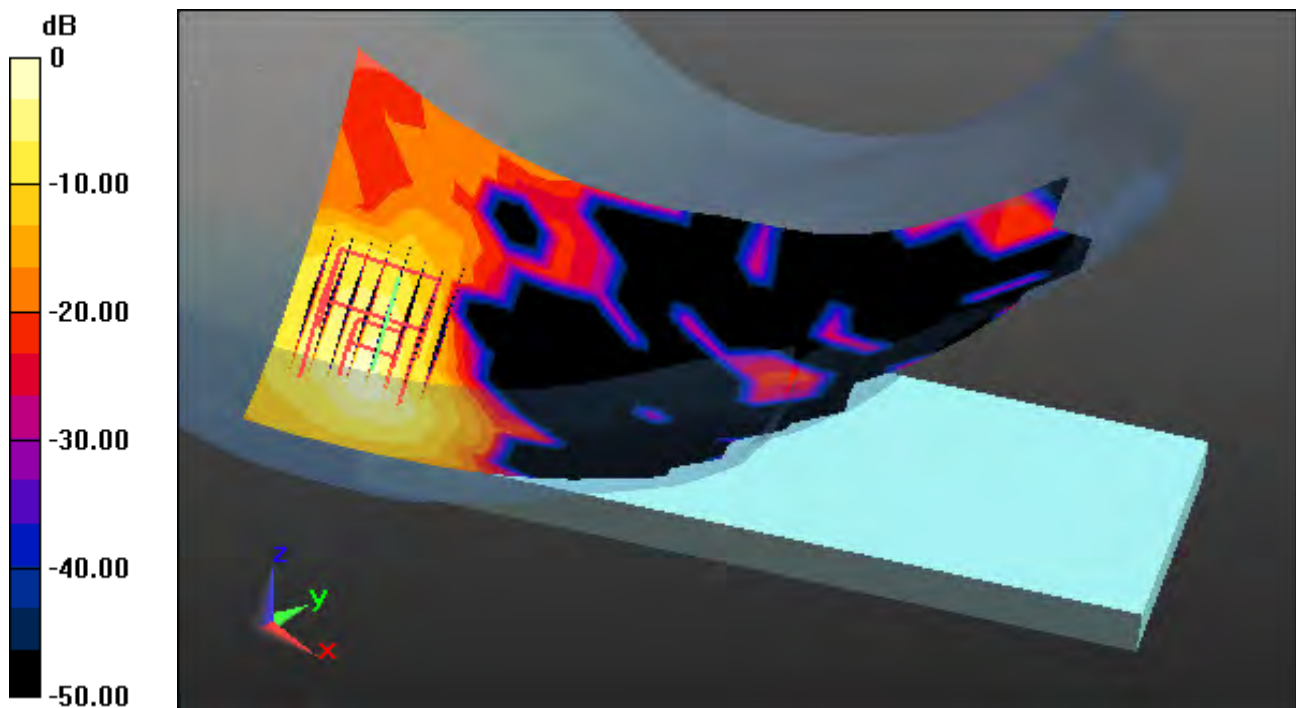
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

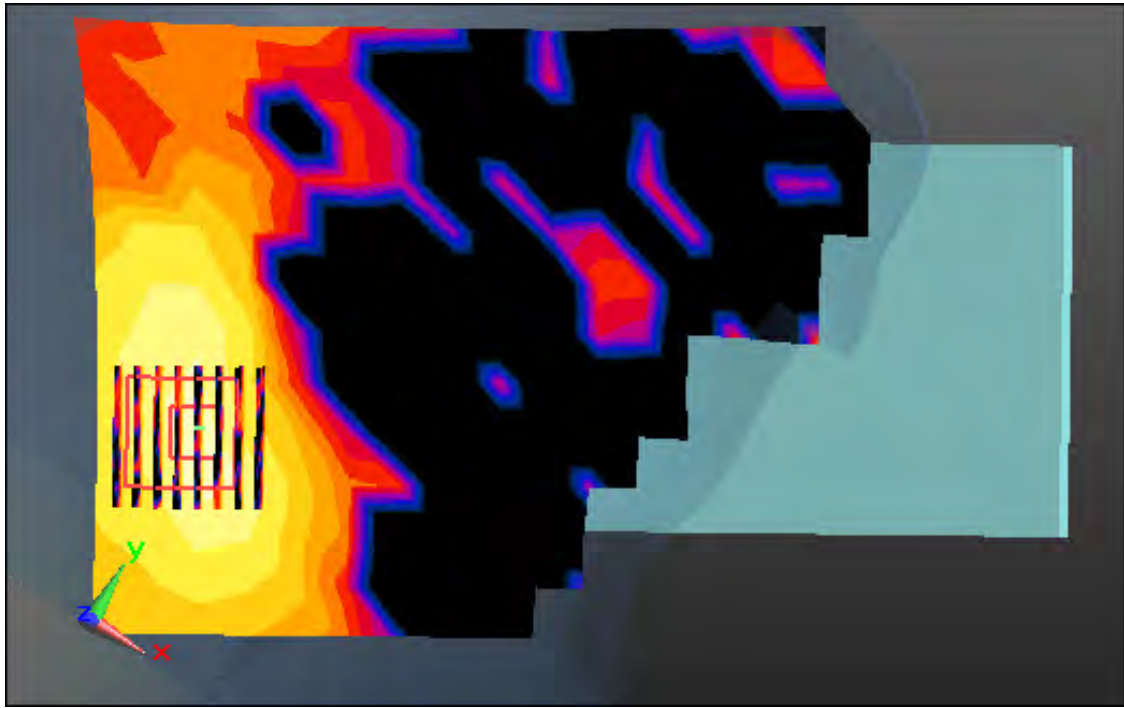
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.526 W/kg

**SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.035 W/kg**



0 dB = 0.420 W/kg



Enlarged Plot for A18

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5720 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 5.317 \text{ S/m}$ ;  $\epsilon_r = 35.522$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

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

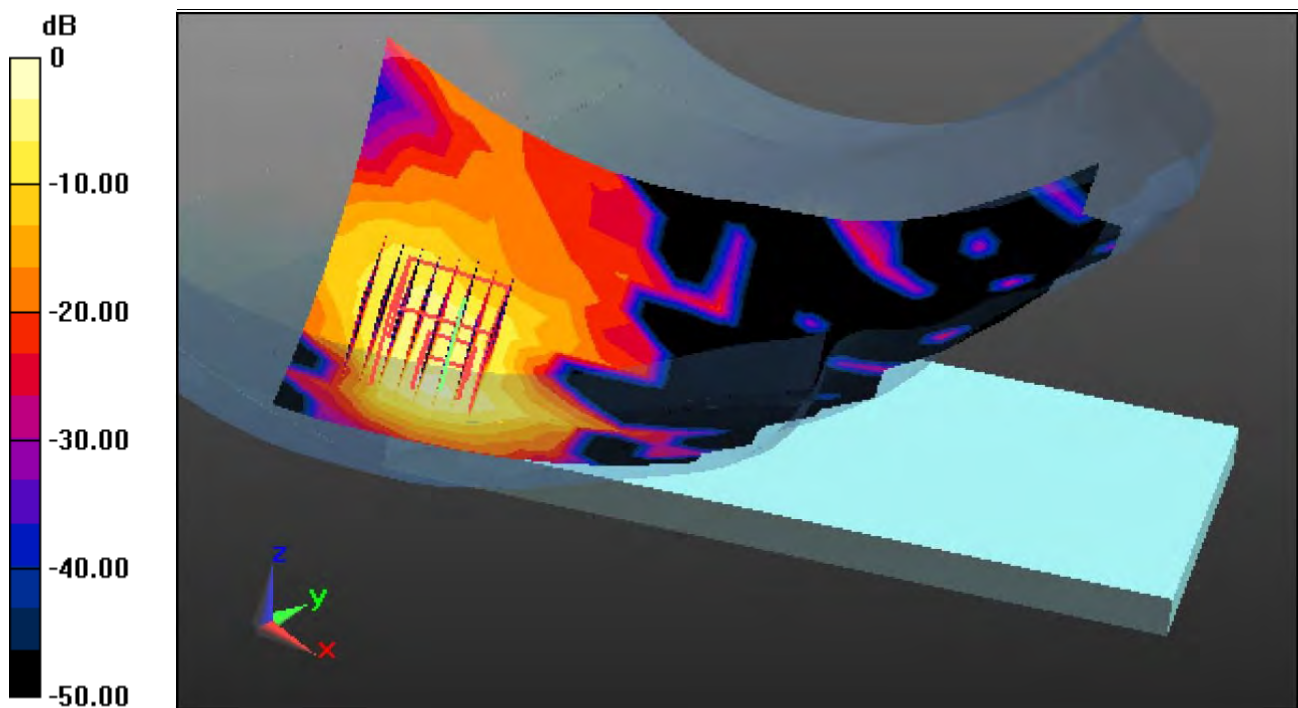
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

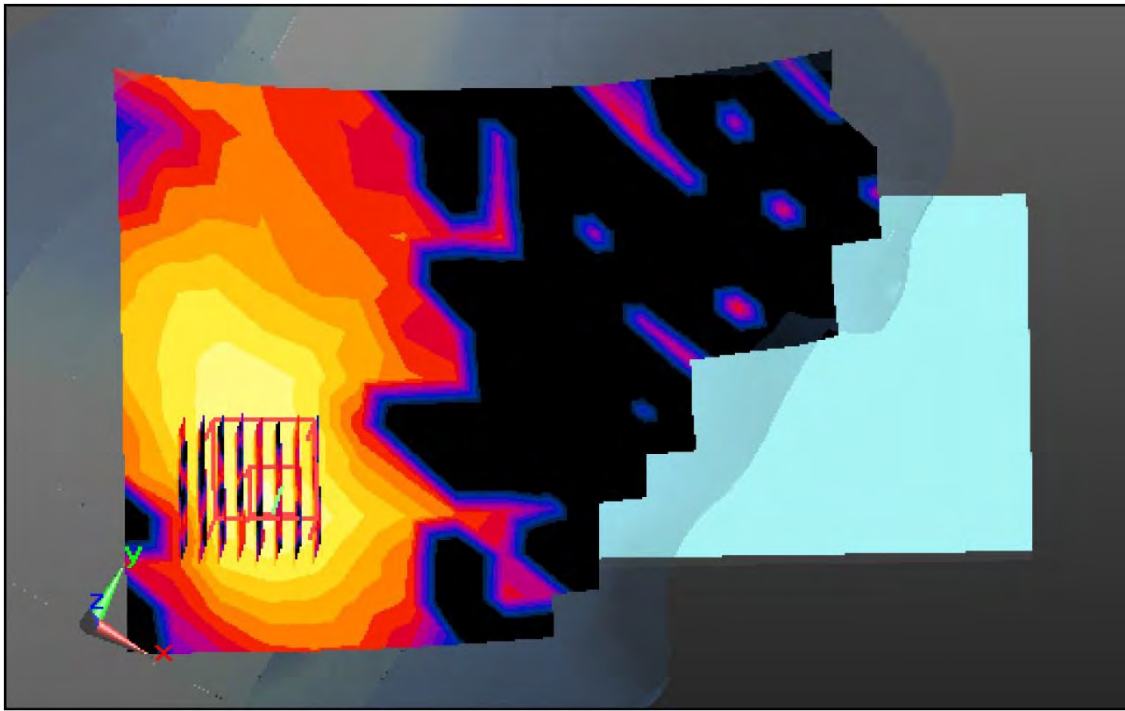
Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.078 W/kg**



0 dB = 1.00 W/kg



Enlarged Plot for A19

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.066$  S/m;  $\epsilon_r = 35.881$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.55, 4.55, 4.55); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

**Right Touch, WLAN(802.11a) Ch. 100, Ant Internal, Standard Battery, MIMO**

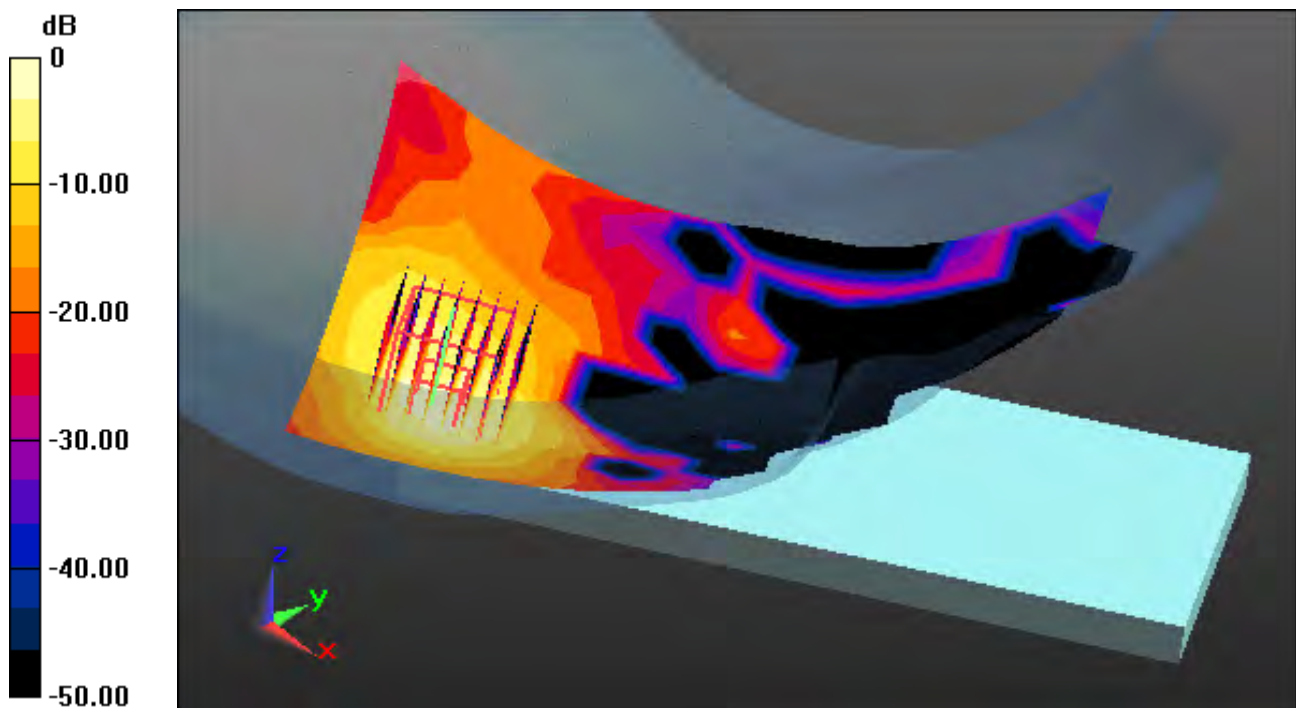
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

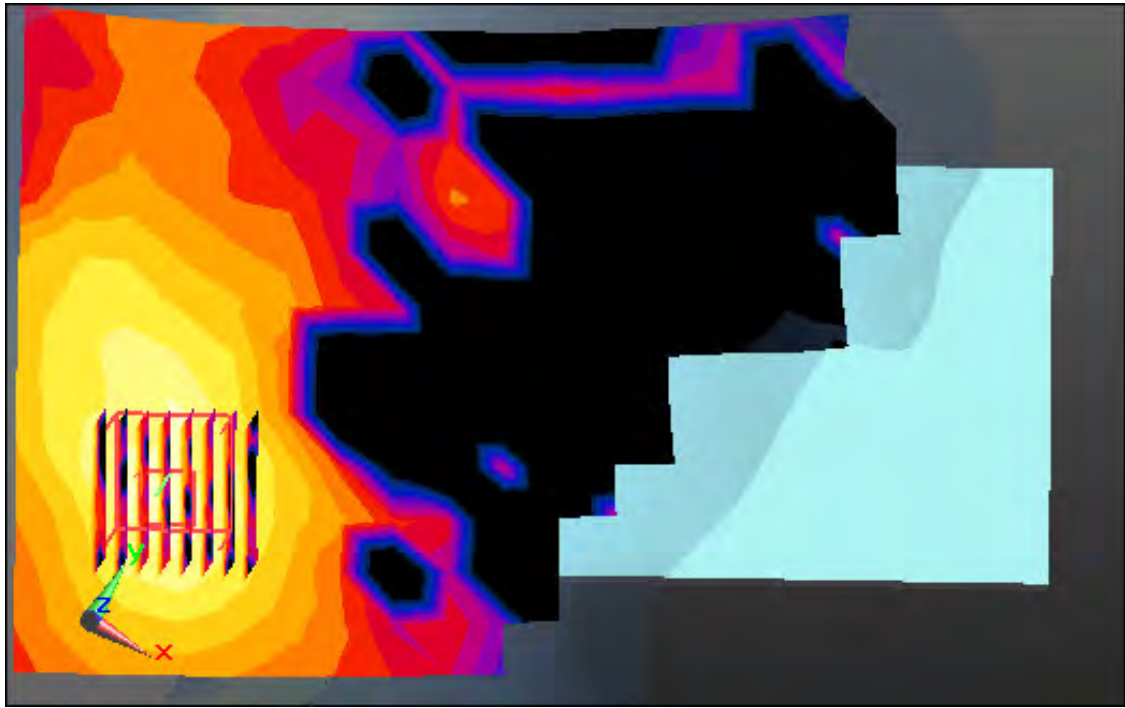
Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.167 W/kg**



0 dB = 1.43 W/kg



Enlarged Plot for A20

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.415 \text{ S/m}$ ;  $\epsilon_r = 34.216$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

**Right Tilt, WLAN(802.11a) Ch. 165, Ant Internal, Standard Battery, Ant.1**

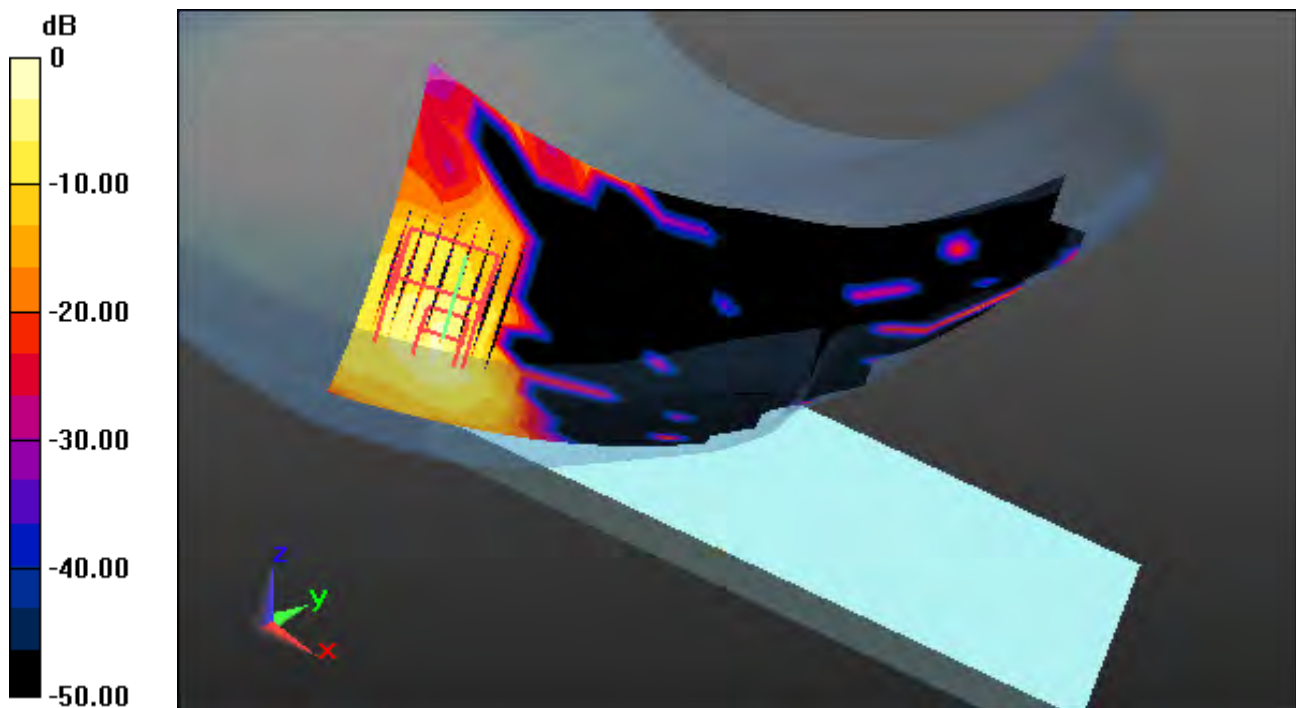
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

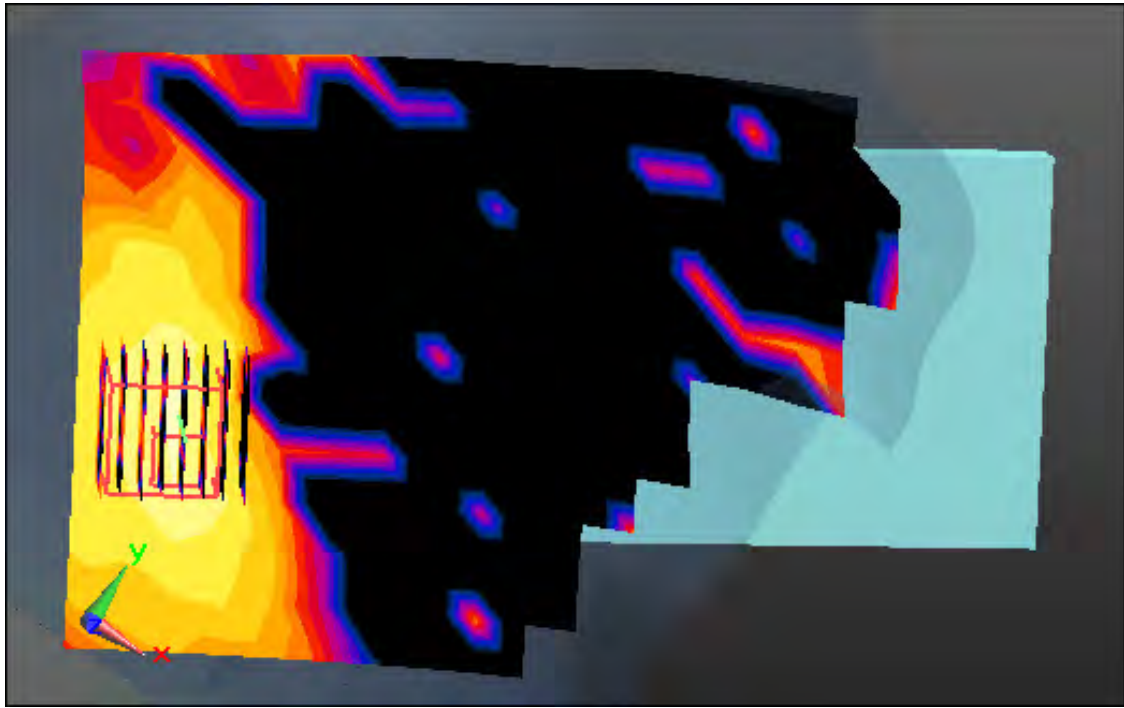
Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.302 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.013 W/kg**



0 dB = 0.247 W/kg



Enlarged Plot for A21

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.415 \text{ S/m}$ ;  $\epsilon_r = 34.216$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

**Right Tilt, WLAN(802.11a) Ch. 165, Ant Internal, Standard Battery, Ant.2**

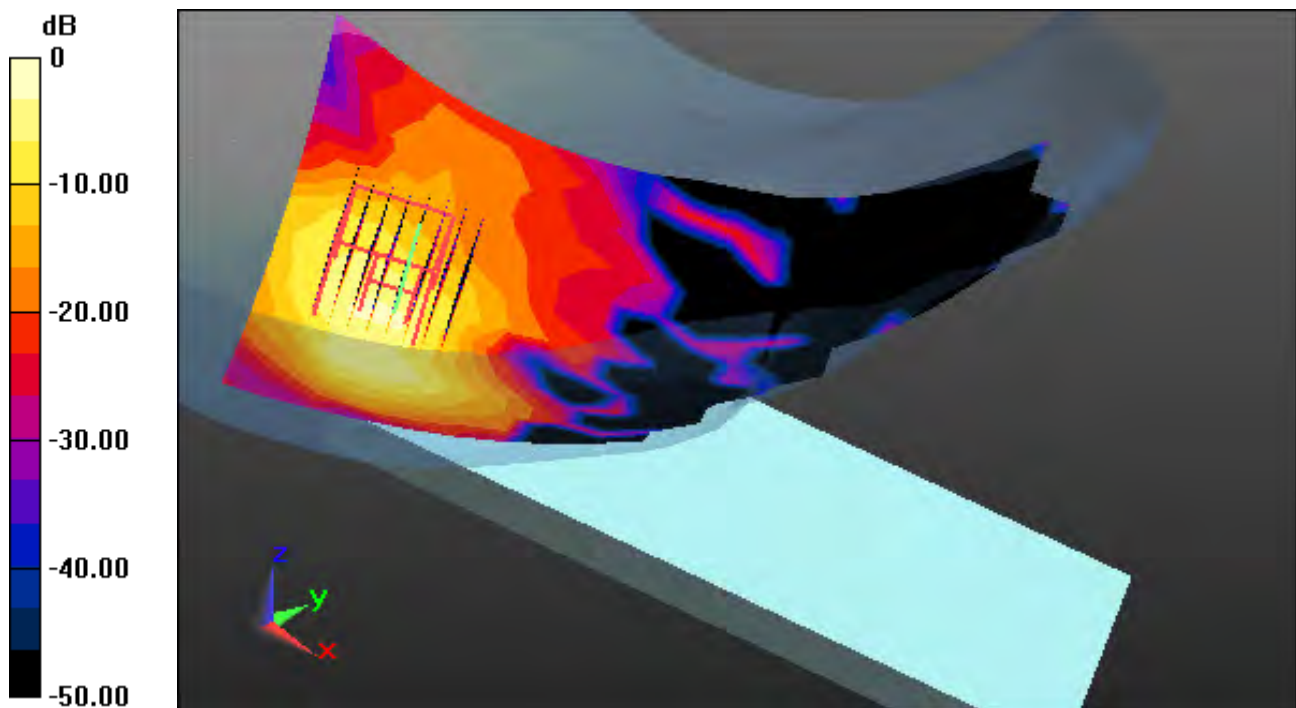
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

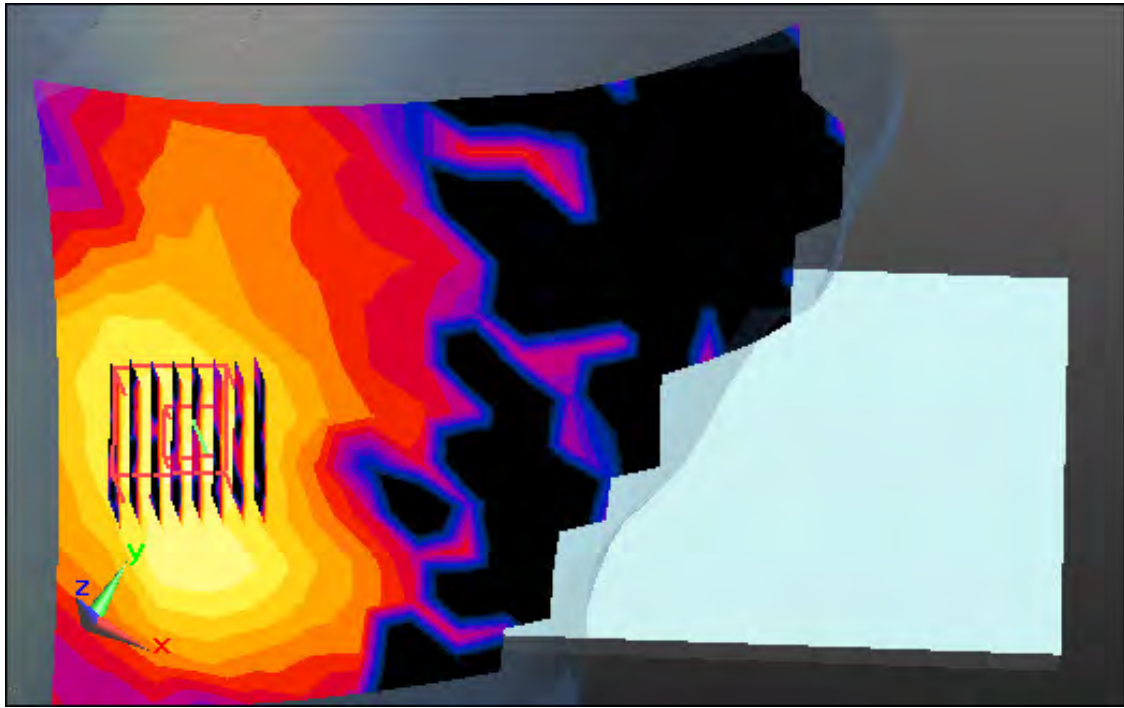
Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.083 W/kg**



0 dB = 0.643 W/kg



Enlarged Plot for A22

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.415 \text{ S/m}$ ;  $\epsilon_r = 34.216$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

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

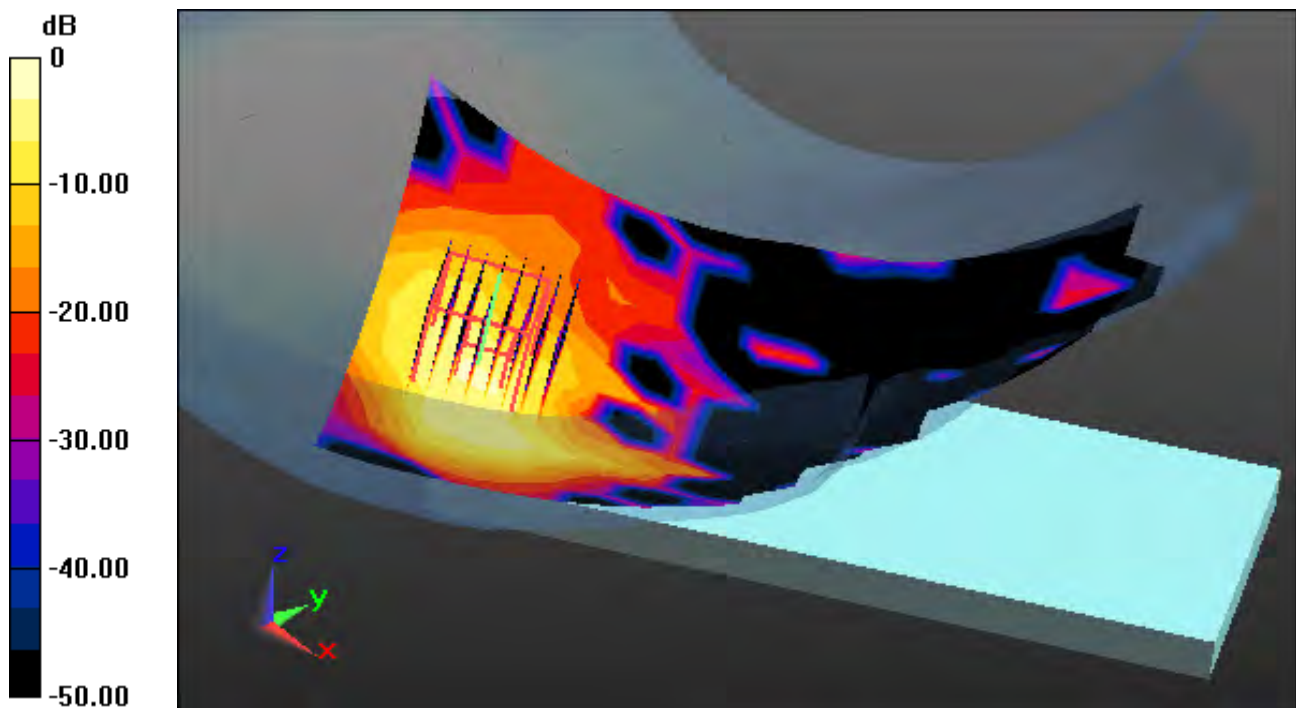
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

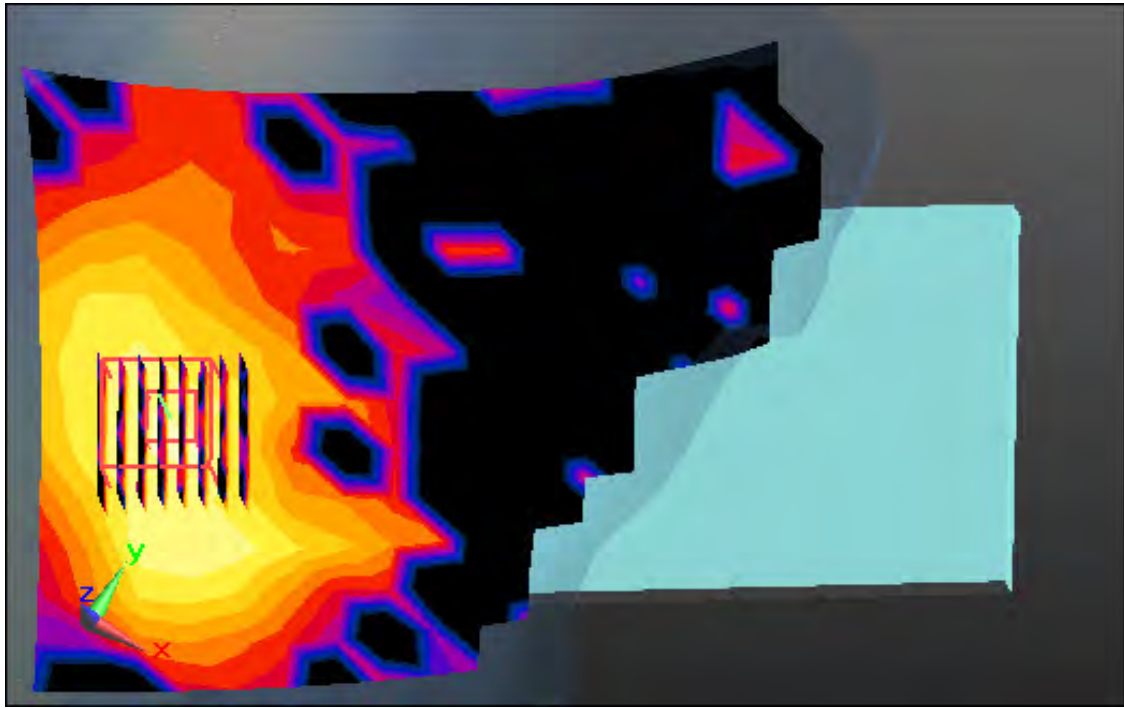
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.104 W/kg**



0 dB = 1.30 W/kg



Enlarged Plot for A23

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.842$  S/m;  $\epsilon_r = 38.465$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

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

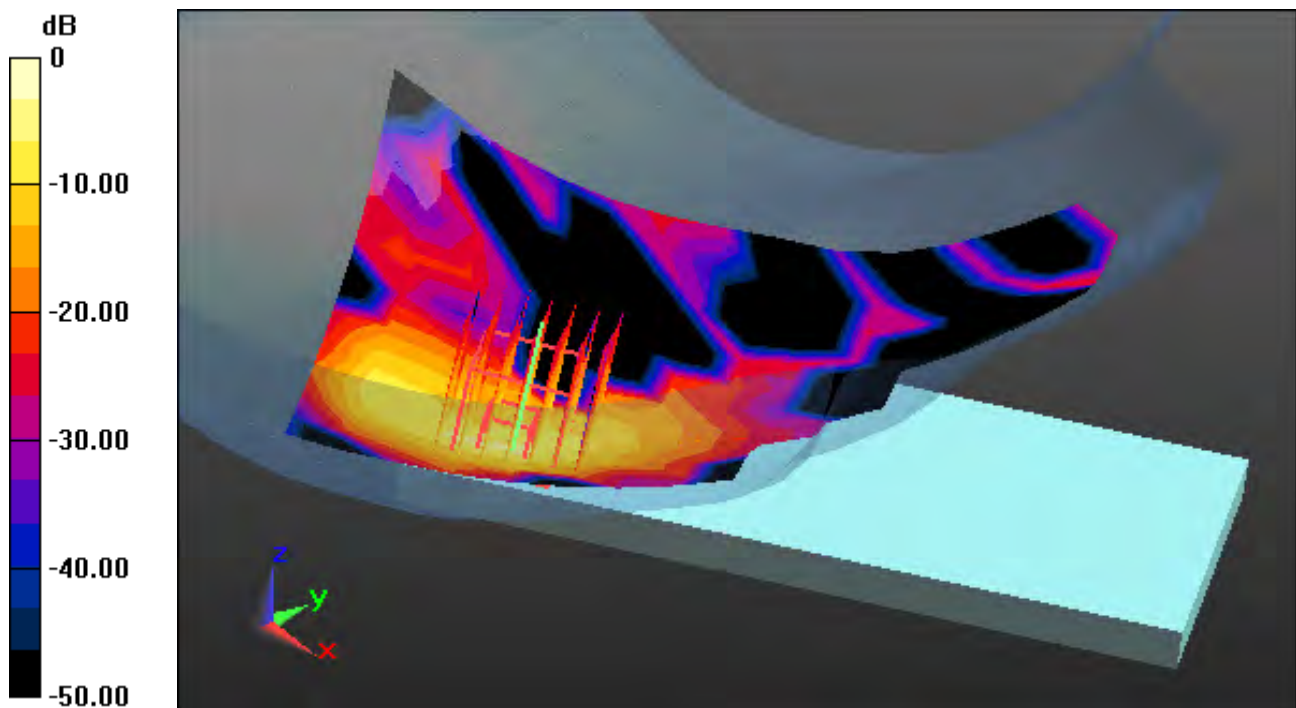
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

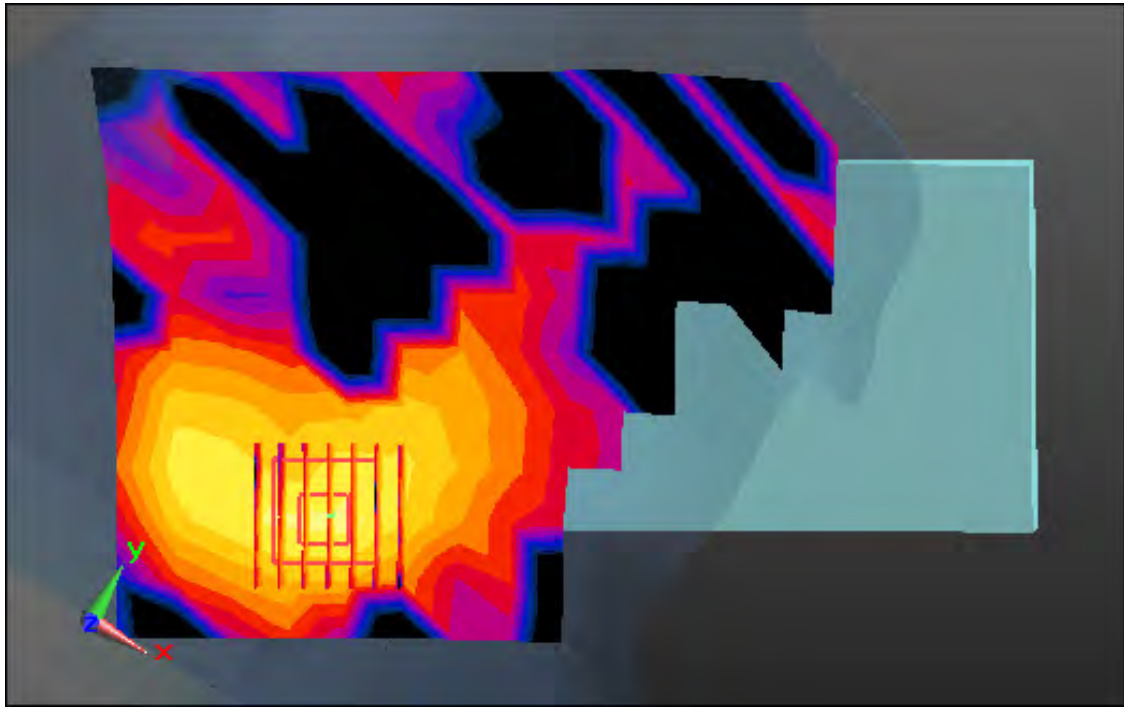
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.142 W/kg

**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.024 W/kg**



0 dB = 0.300 W/kg



Enlarged Plot for A24

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 53.818$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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

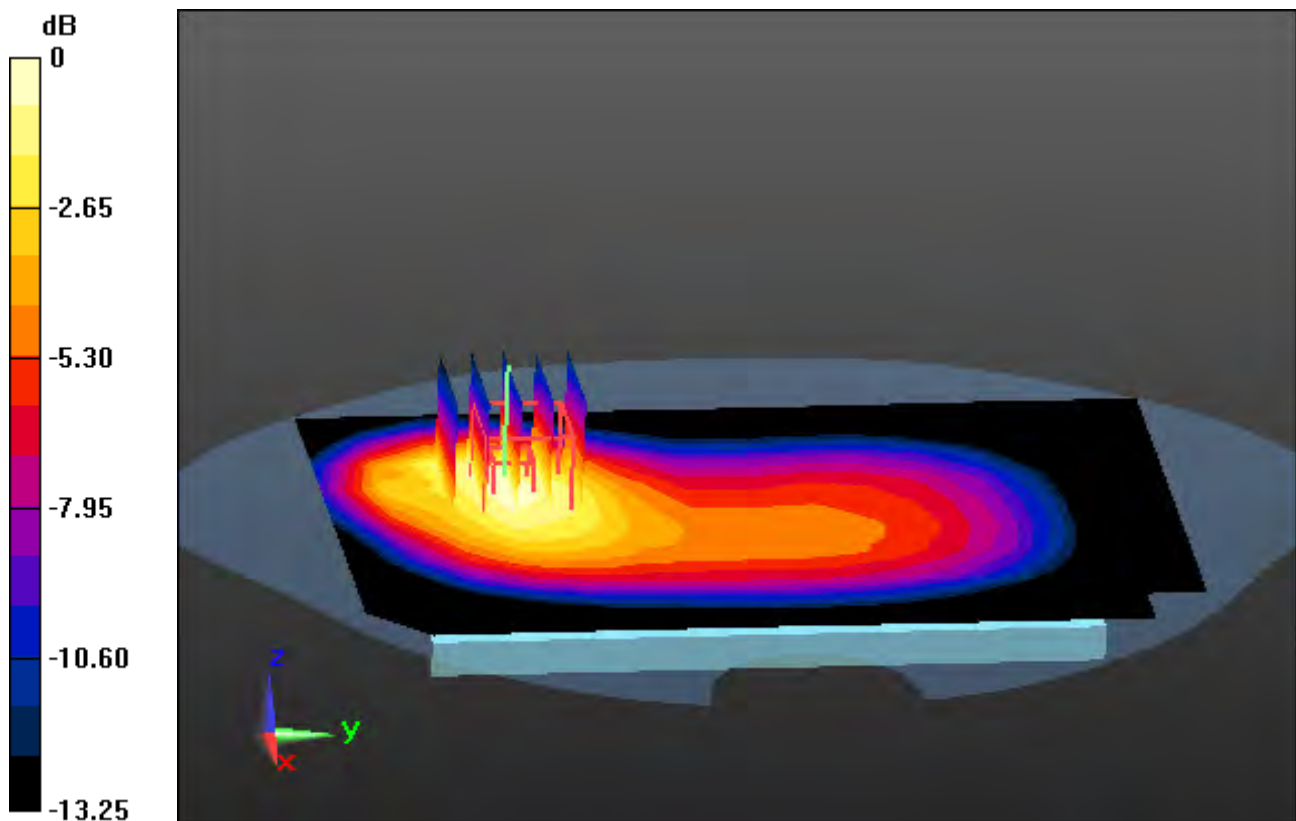
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

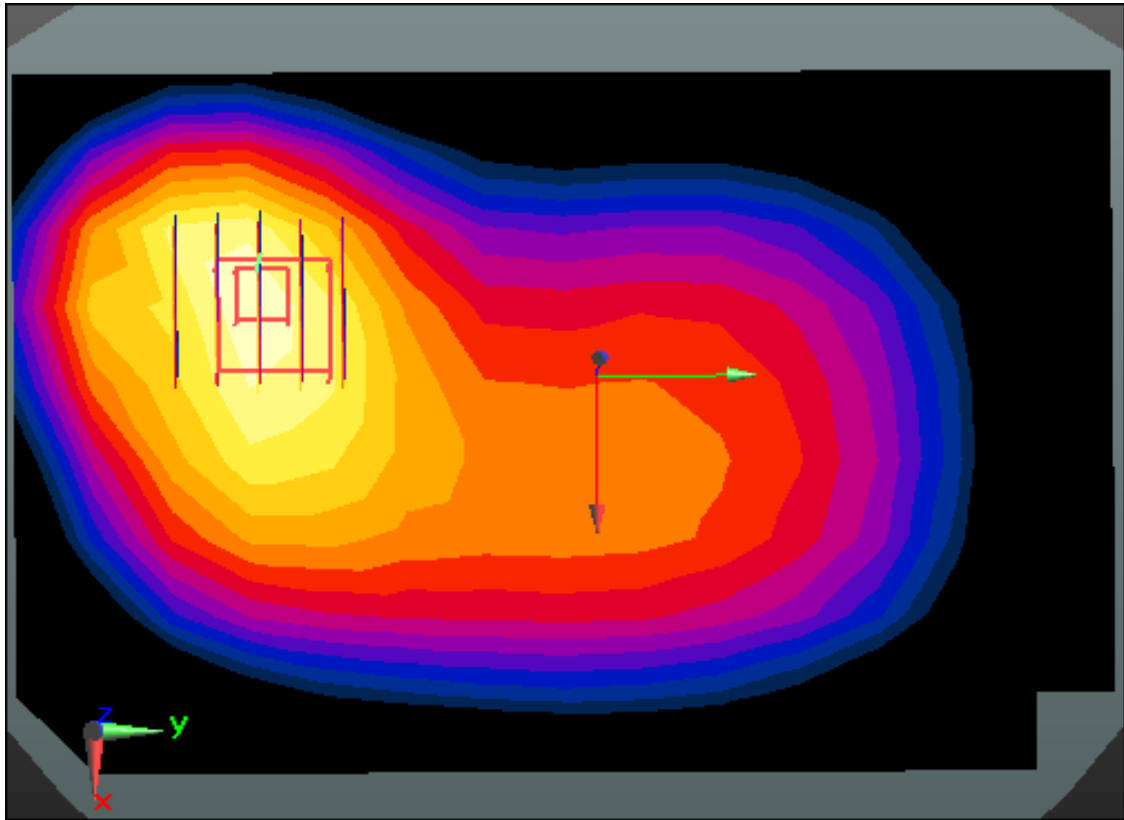
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.219 W/kg**



0 dB = 0.450 W/kg



Enlarged Plot for A25

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 53.818$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom  
section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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

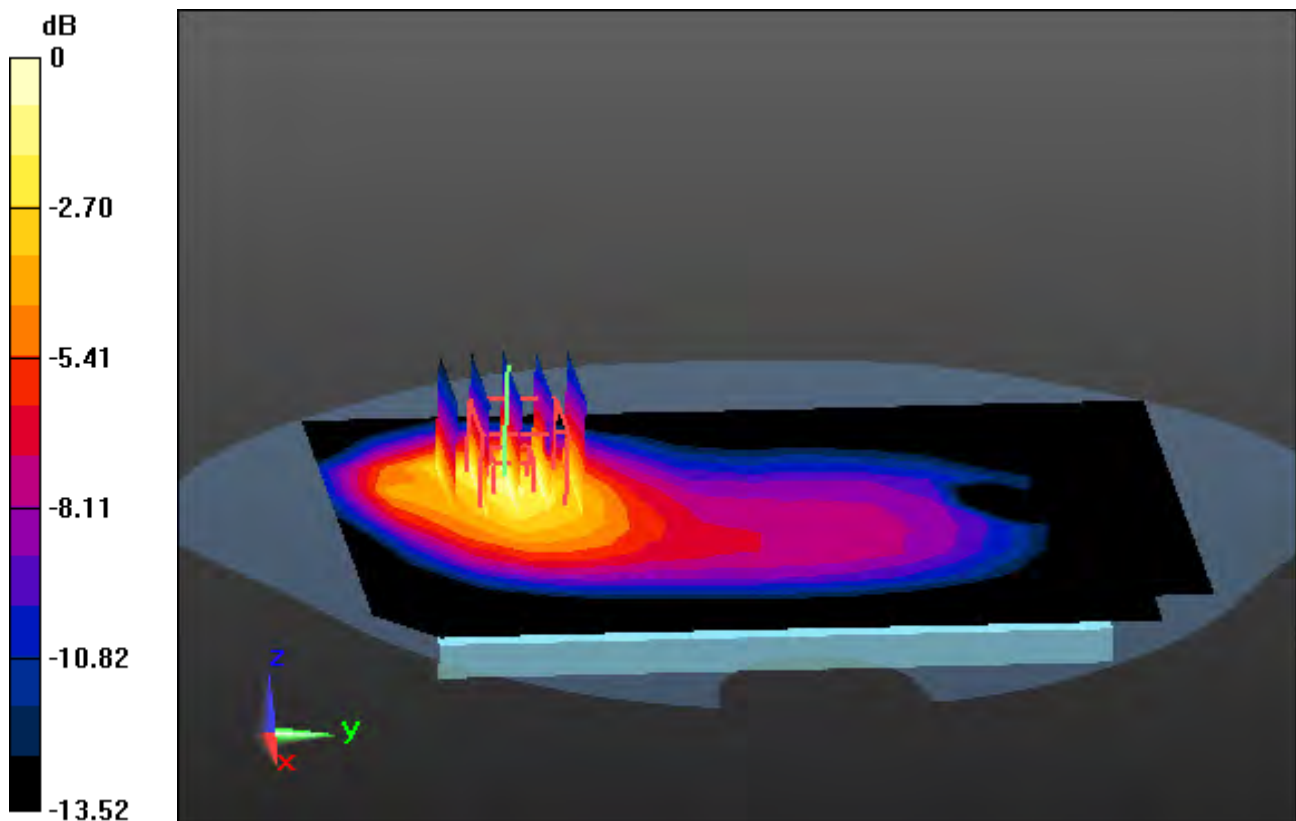
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

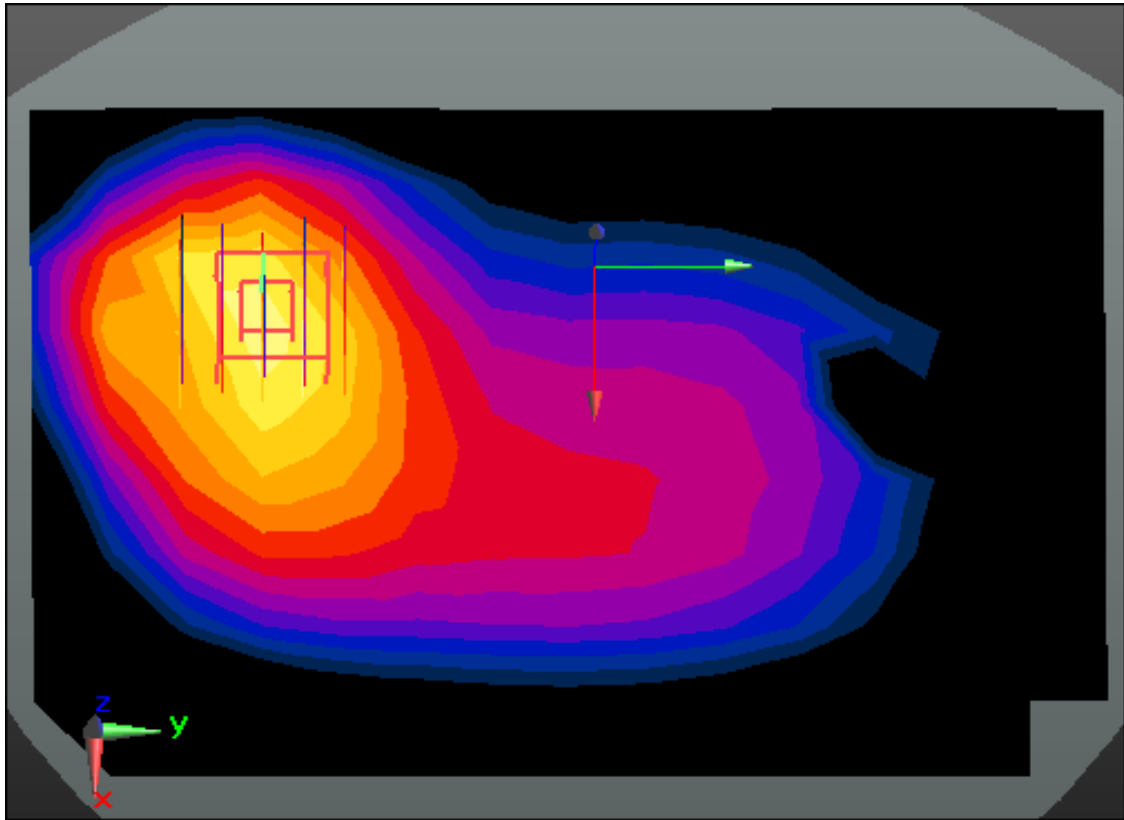
Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.890 W/kg

**SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.330 W/kg**



0 dB = 0.708 W/kg



Enlarged Plot for A26

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar;**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.535$  S/m;  $\epsilon_r = 51.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

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

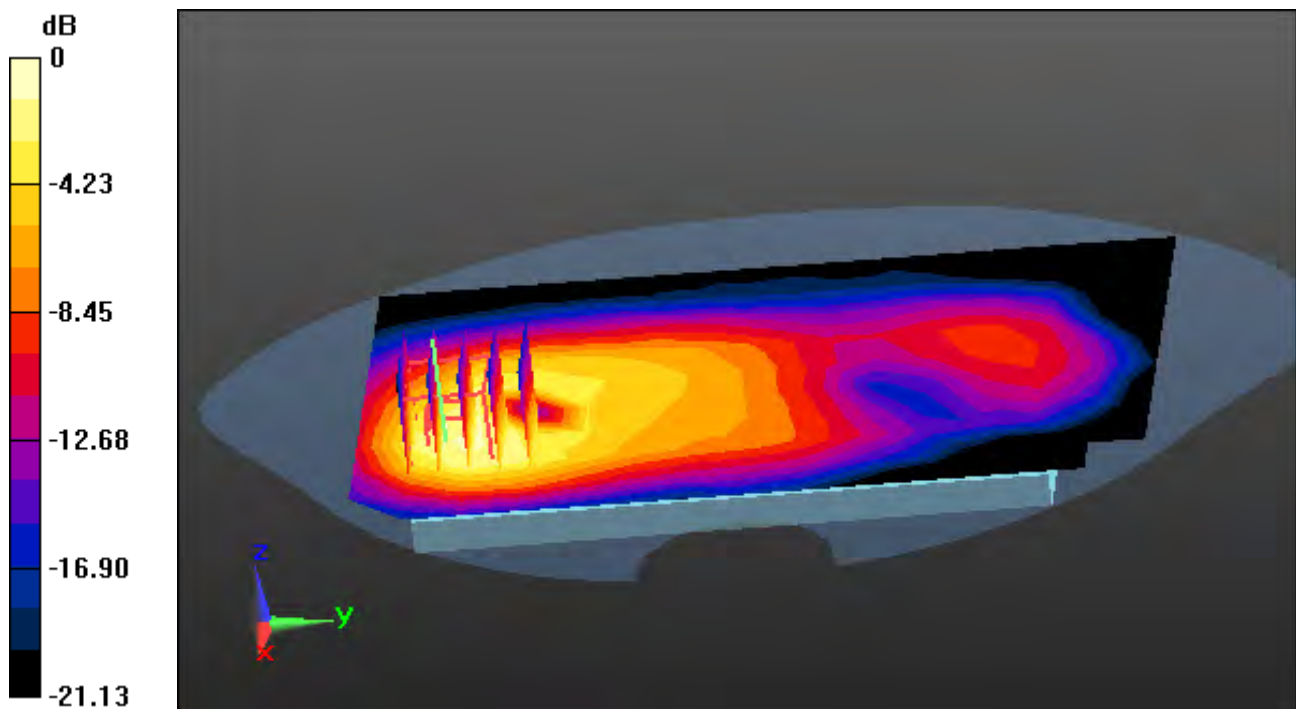
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

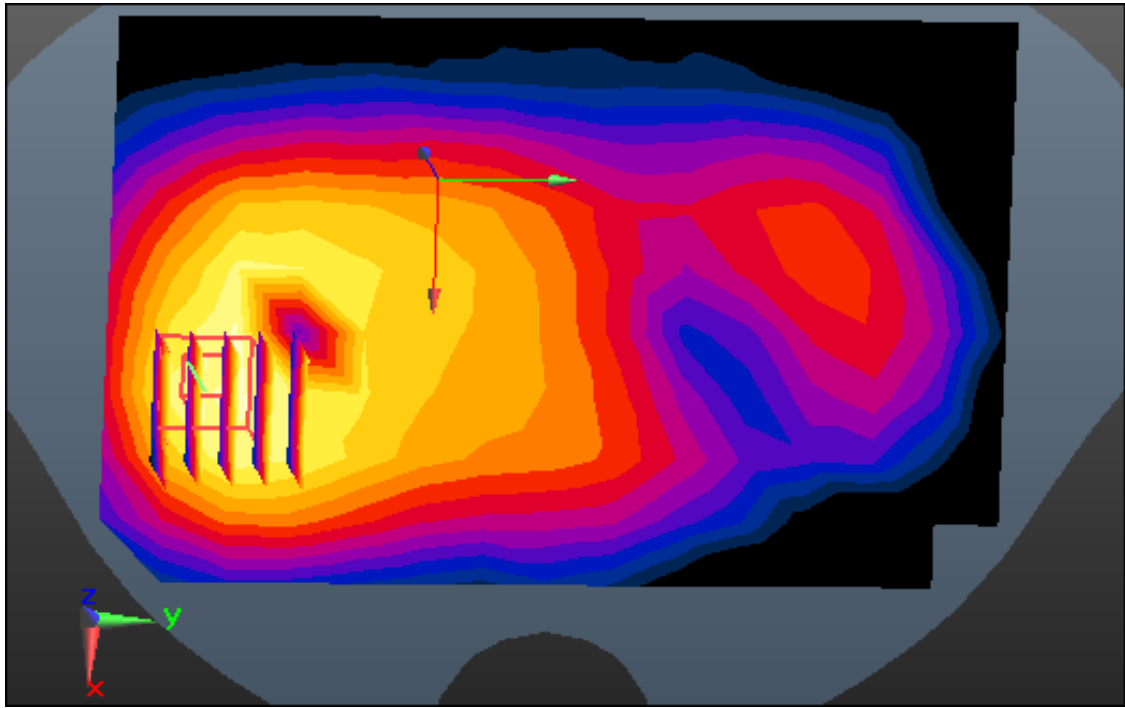
Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.562 W/kg

**SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.167 W/kg**



0 dB = 0.447 W/kg



Enlarged Plot for A27

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar;**

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

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.535 \text{ S/m}$ ;  $\epsilon_r = 51.77$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

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

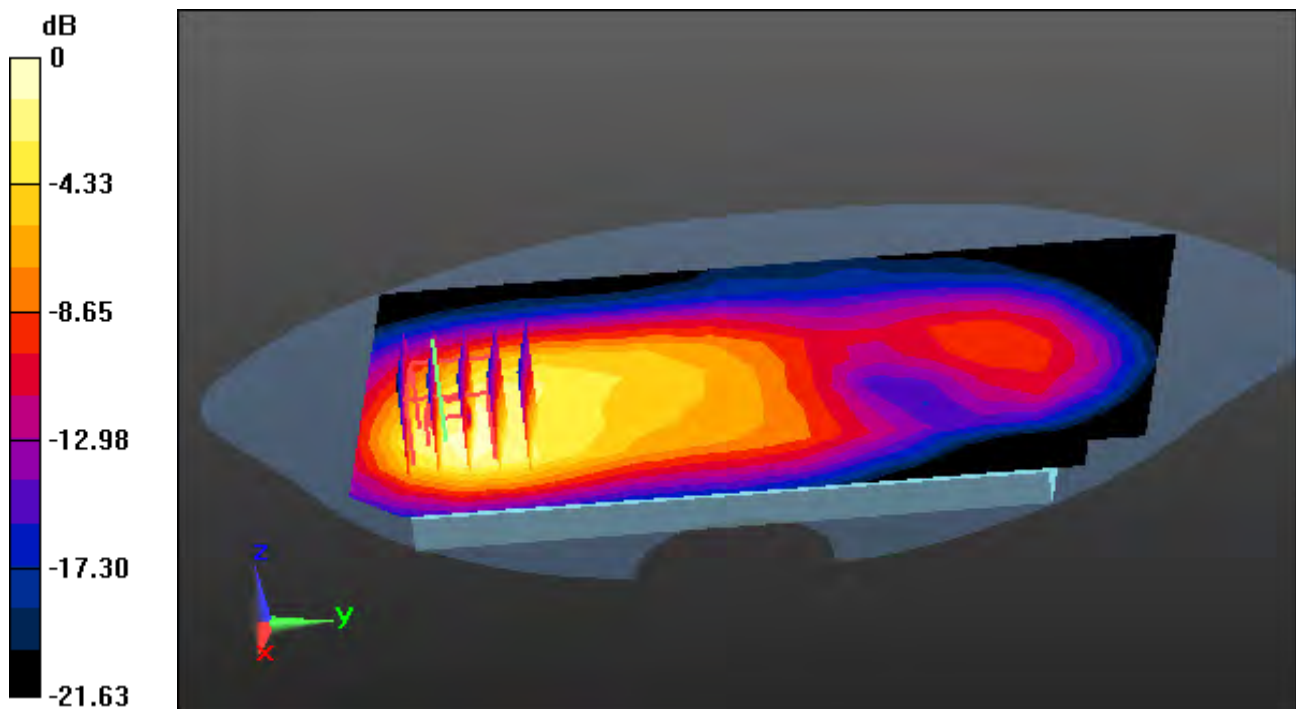
**Area Scan (10x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

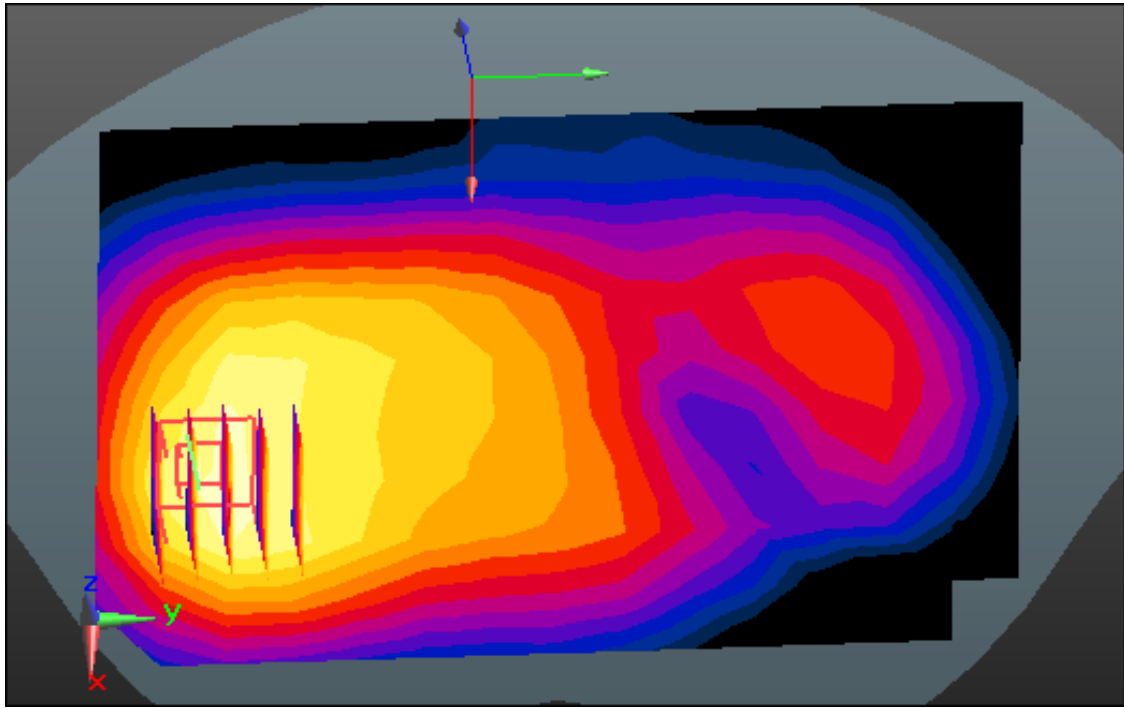
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.666 W/kg

**SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.199 W/kg**



0 dB = 0.548 W/kg



Enlarged Plot for A28

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.989 \text{ S/m}$ ;  $\epsilon_r = 53.818$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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

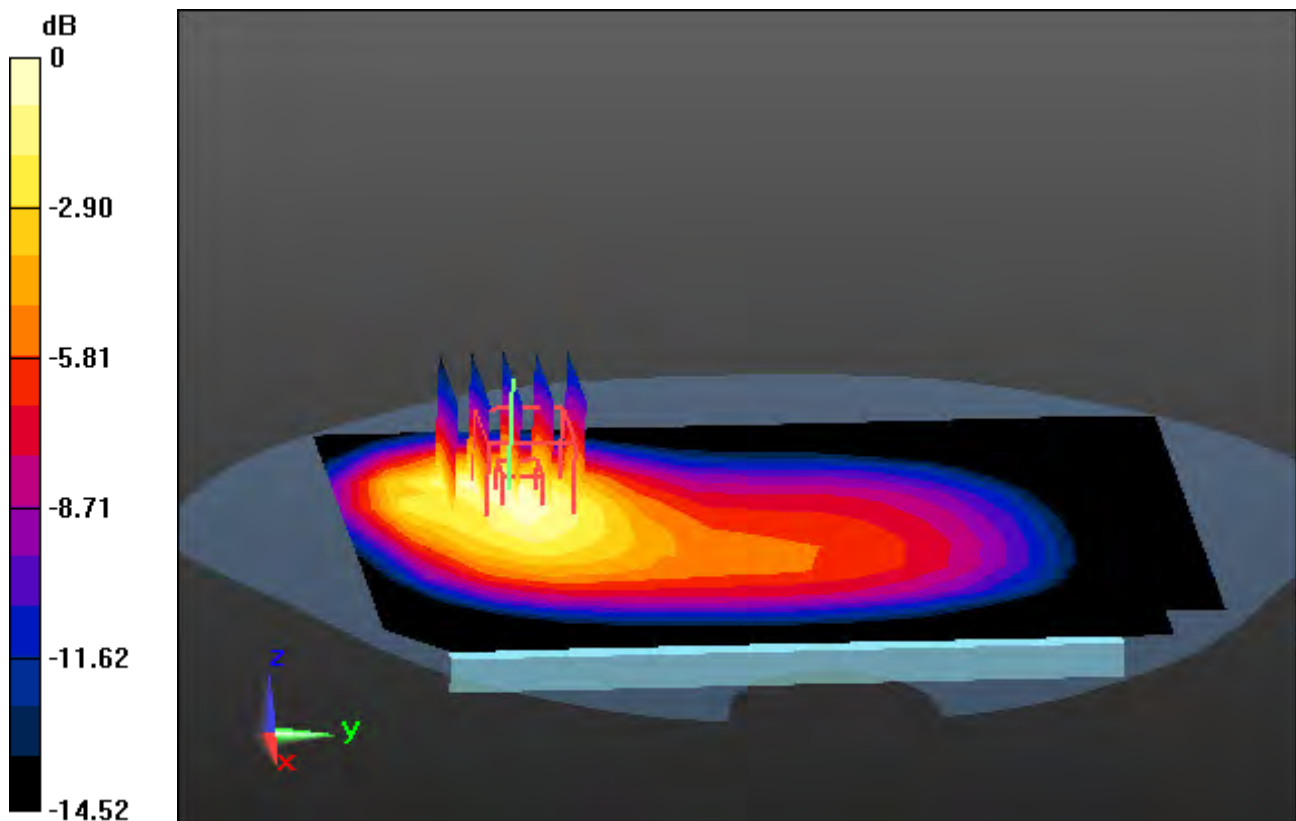
**Area Scan (10x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

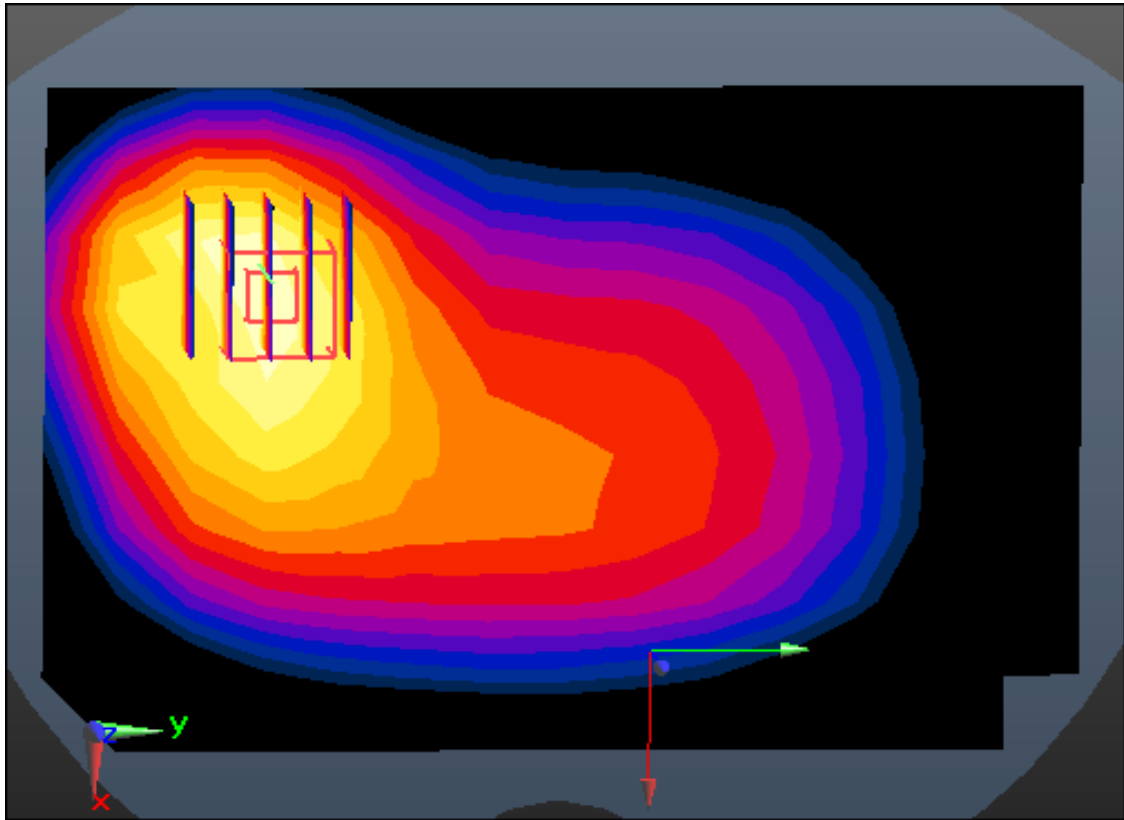
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.391 W/kg**



0 dB = 0.838 W/kg



Enlarged Plot for A29

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.535$  S/m;  $\epsilon_r = 51.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

**1 cm space from Body, Rear, WCDMA Band 2 Ch. 9400, Ant Internal**

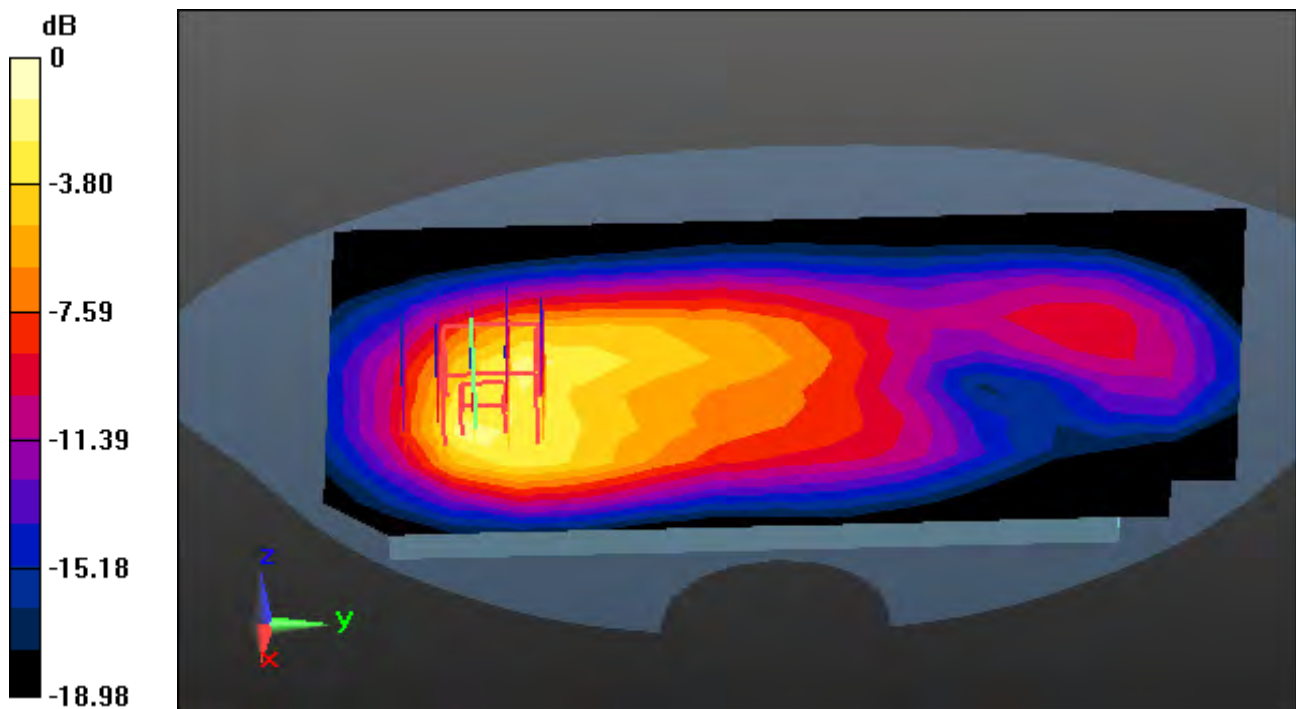
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

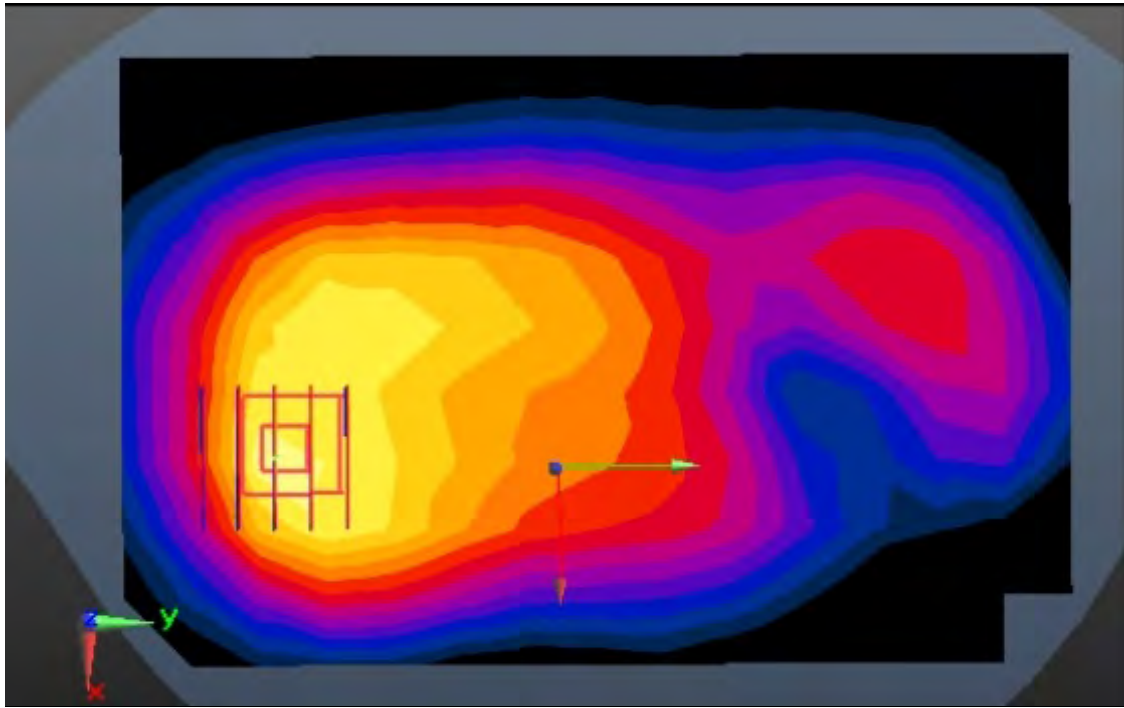
Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.384 W/kg**



0 dB = 0.969 W/kg



Enlarged Plot for A30

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.925$  S/m;  $\epsilon_r = 56.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.44, 10.44, 10.44); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.3

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

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

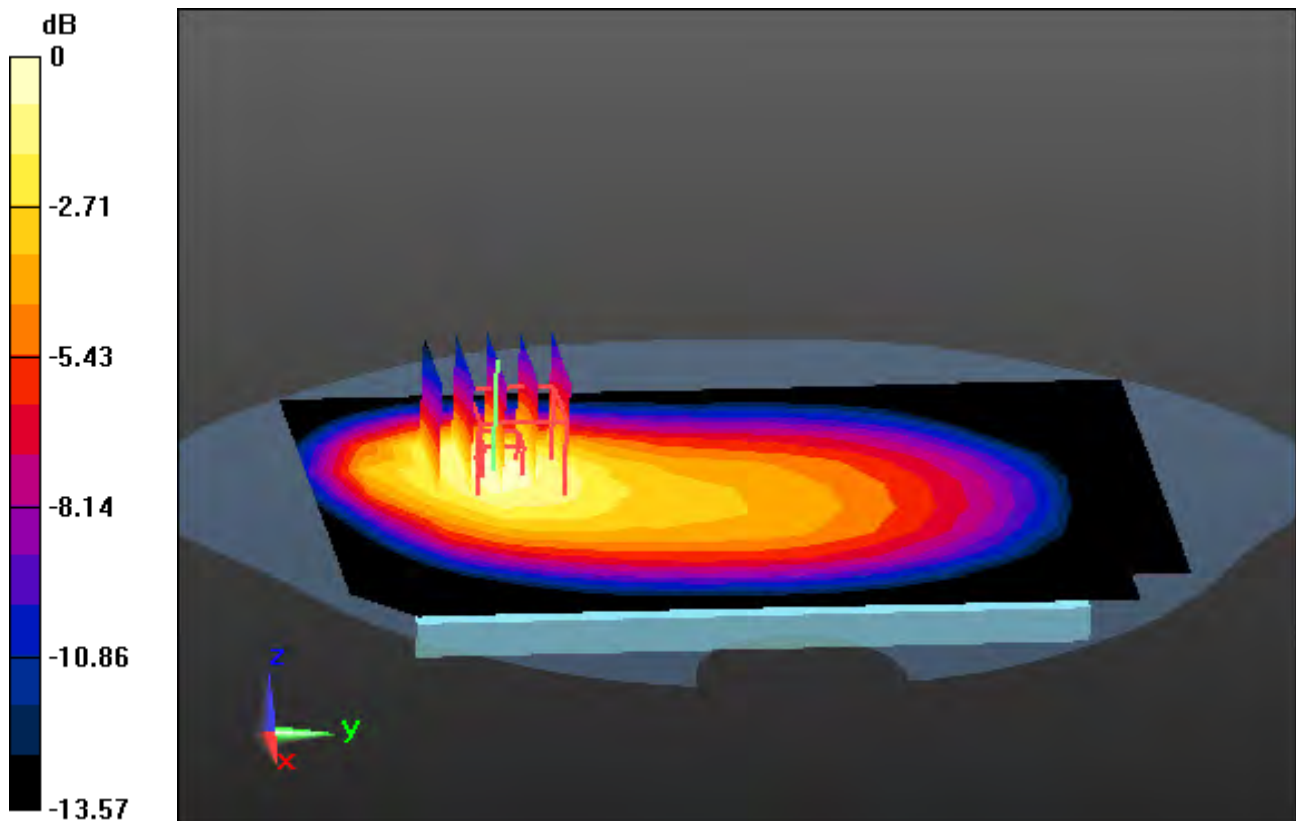
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

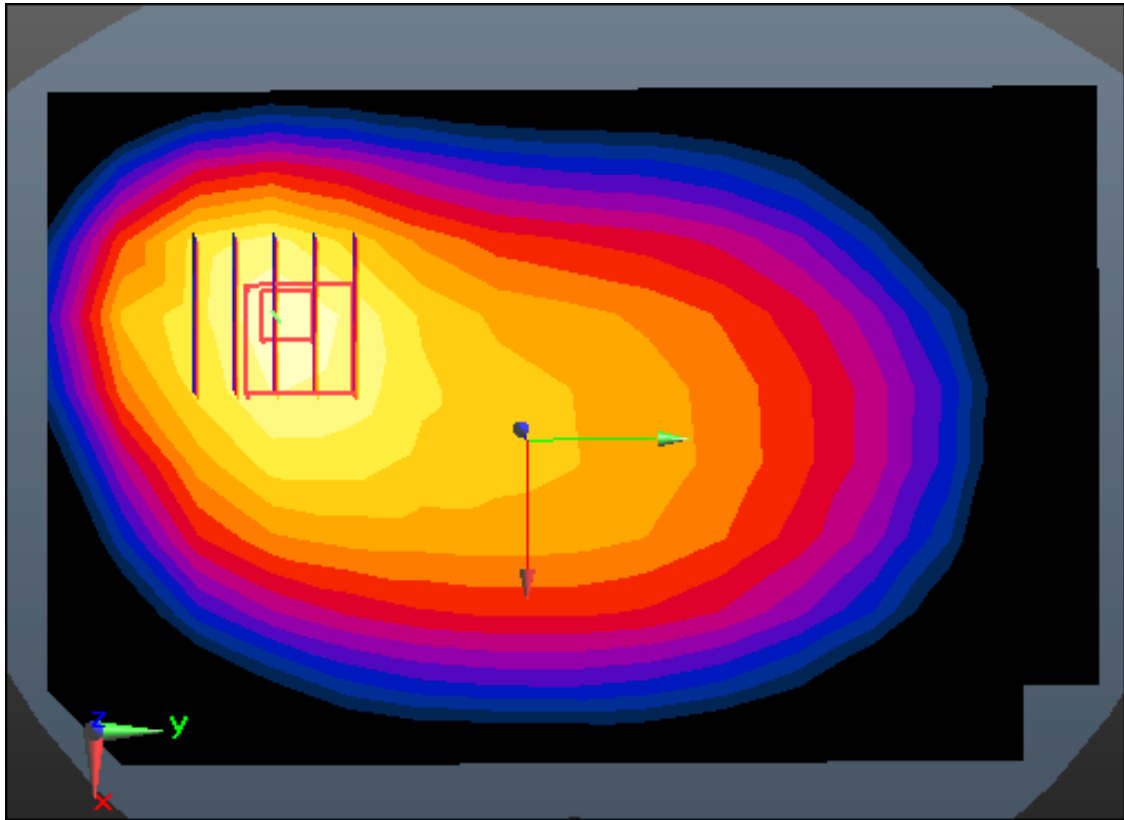
Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.237 W/kg**



0 dB = 0.447 W/kg



Enlarged Plot for A31

## DT&C Co., Ltd.

**DUT: LM-G900EM; 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;  $\sigma = 0.989$  S/m;  $\epsilon_r = 53.82$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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

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

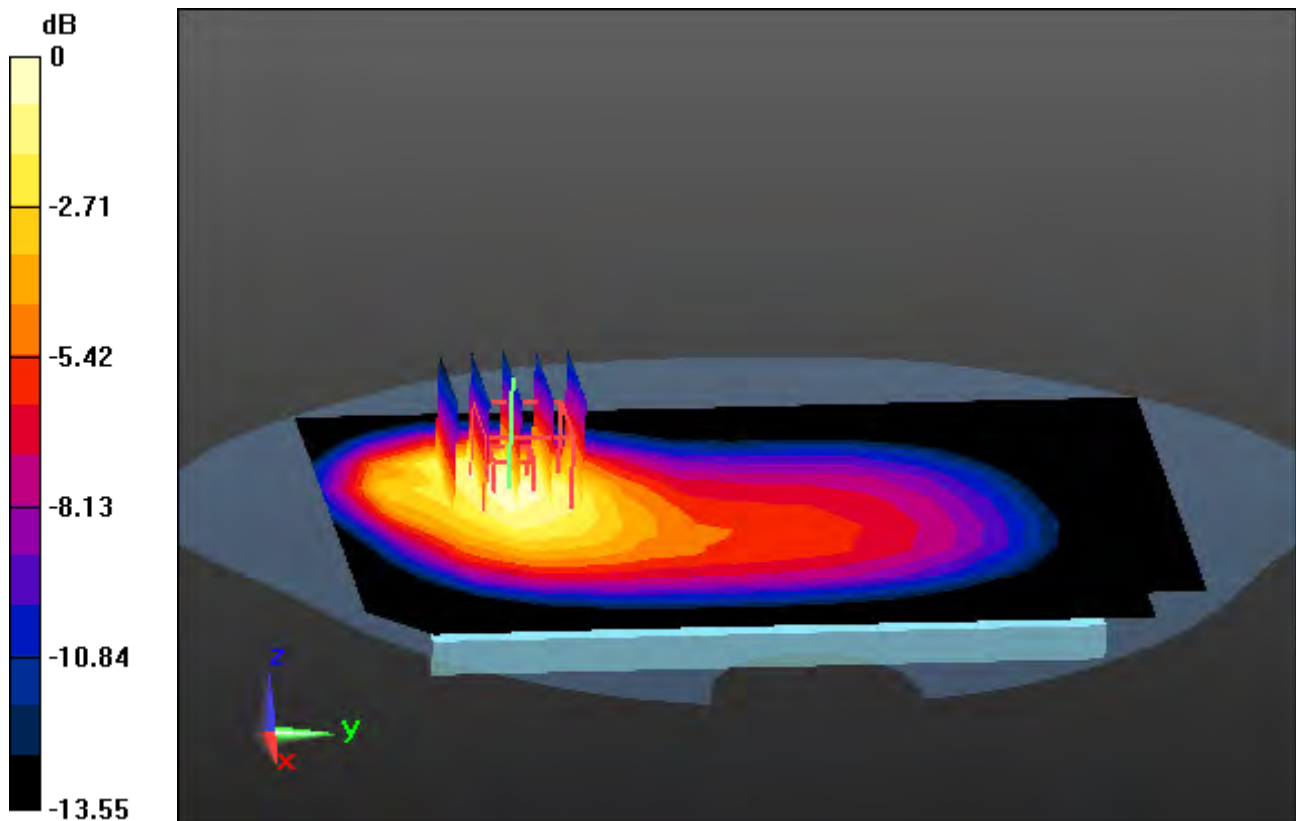
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

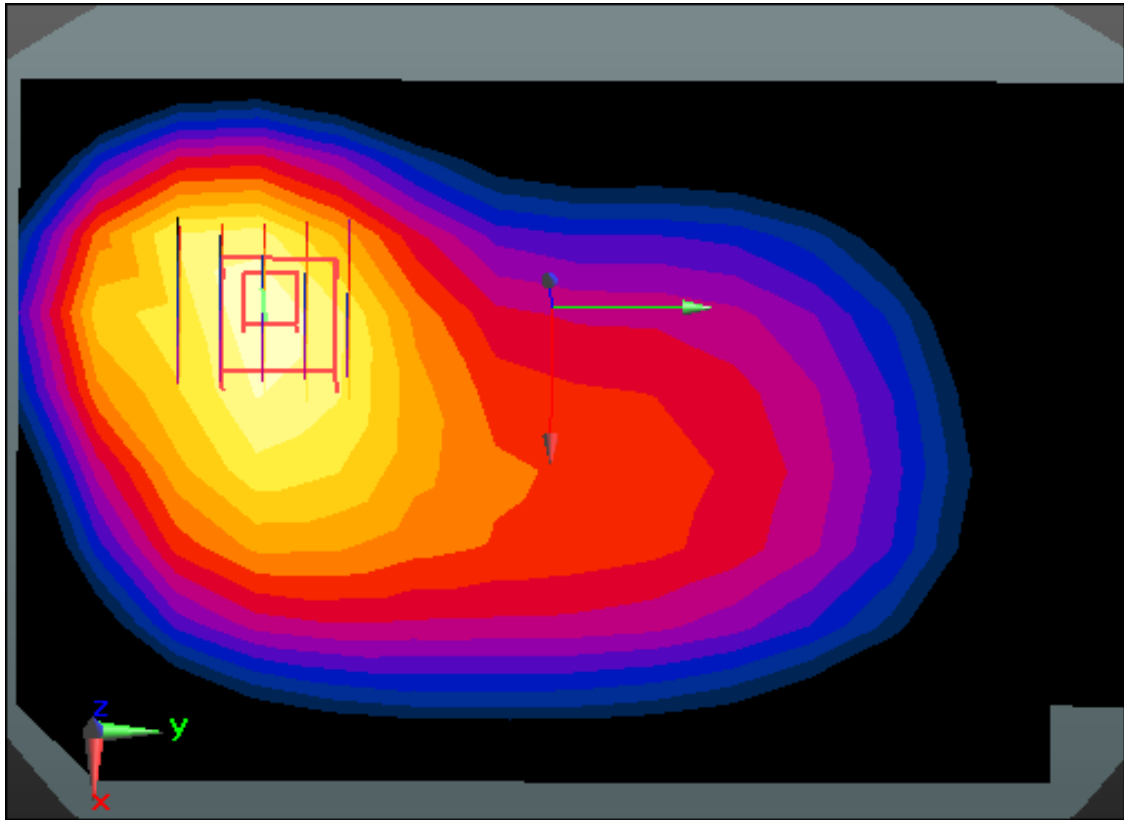
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.990 W/kg

**SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.378 W/kg**



0 dB = 0.783 W/kg



Enlarged Plot for A32

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.475$  S/m;  $\epsilon_r = 53.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.74, 7.74, 7.74); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.5

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

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

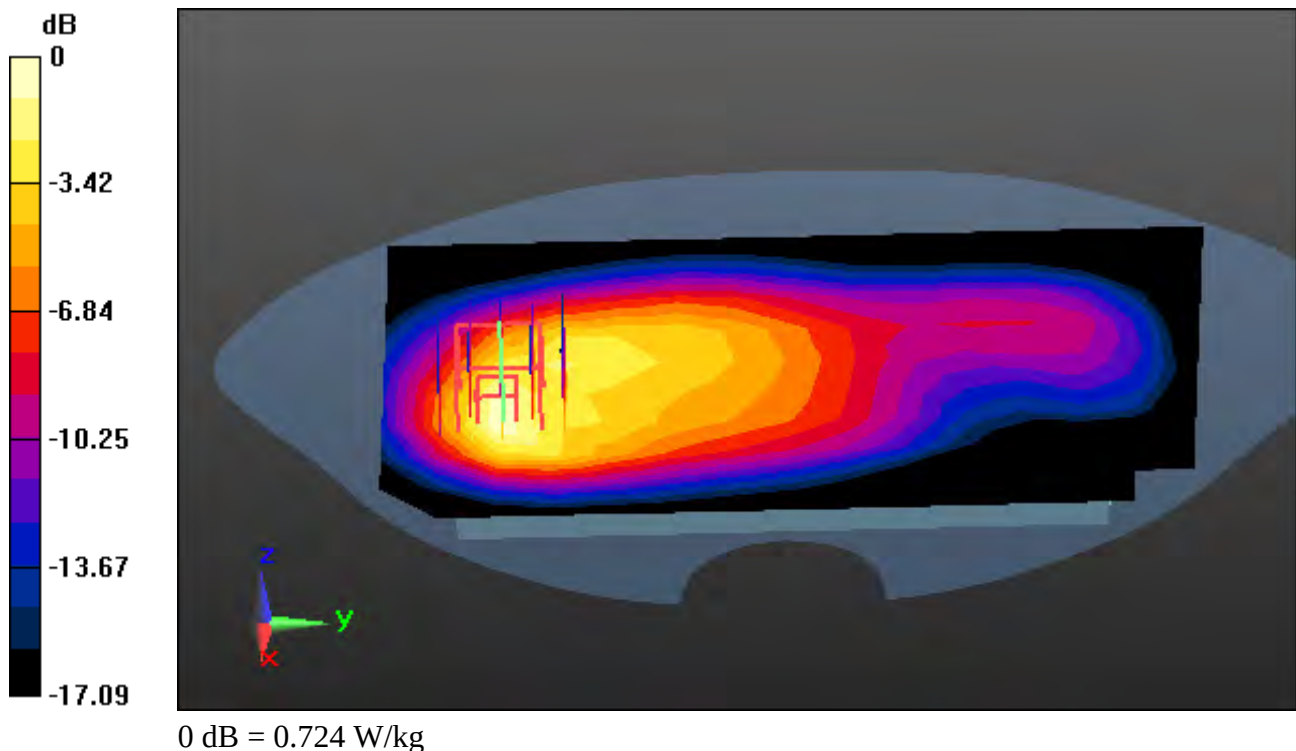
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

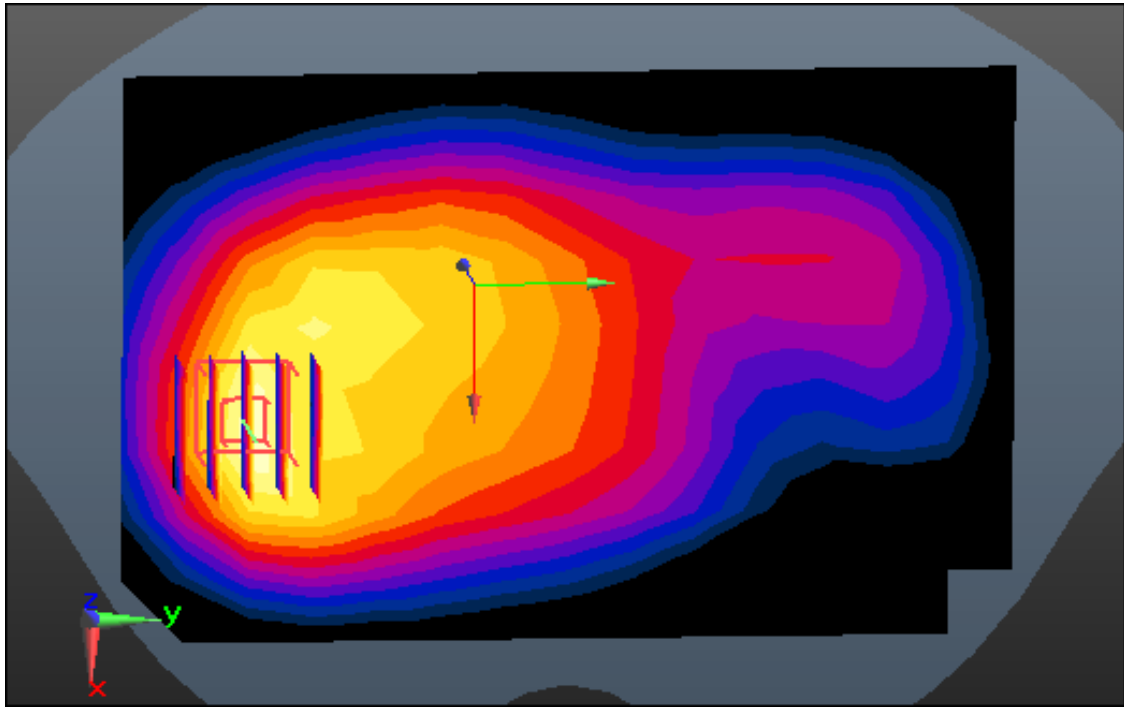
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.898 W/kg

**SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.288 W/kg**





Enlarged Plot for A33

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.472$  S/m;  $\epsilon_r = 51.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 21.9

**1 cm space from Body, Rear, LTE Band 2 Ch. 18700, Ant Internal**

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

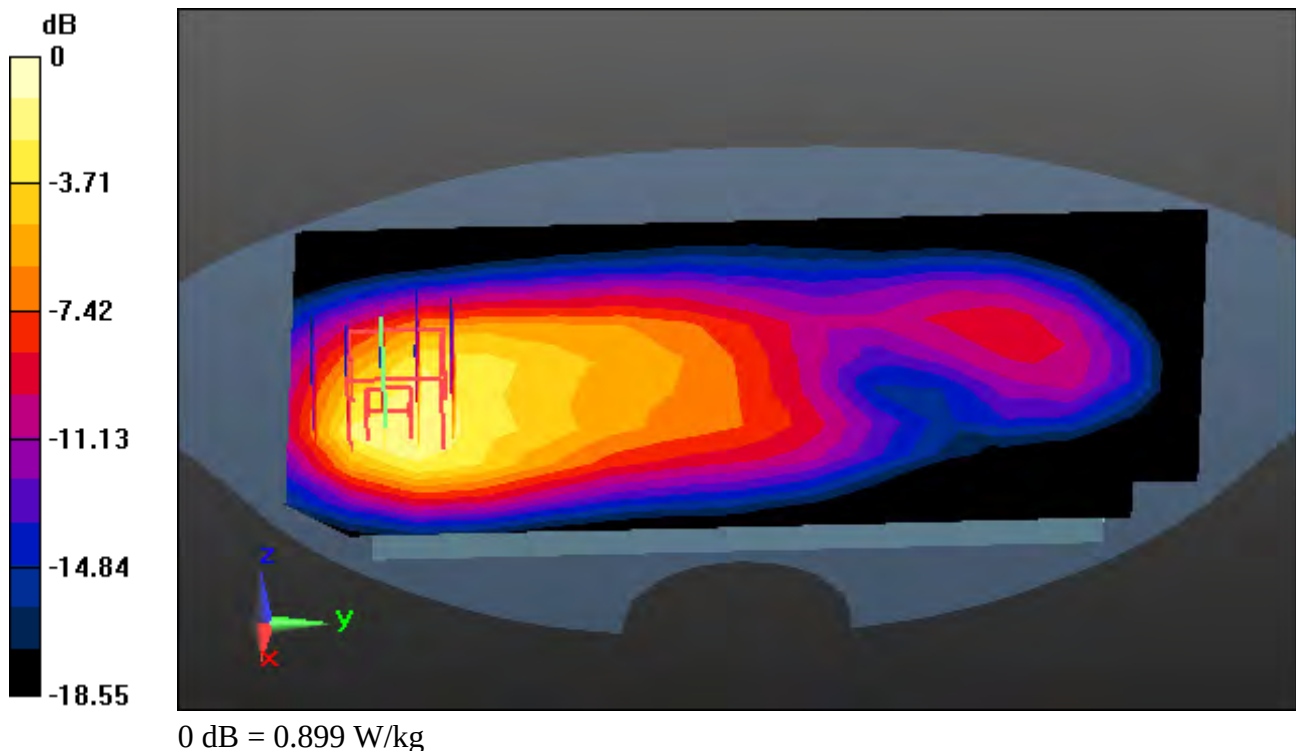
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

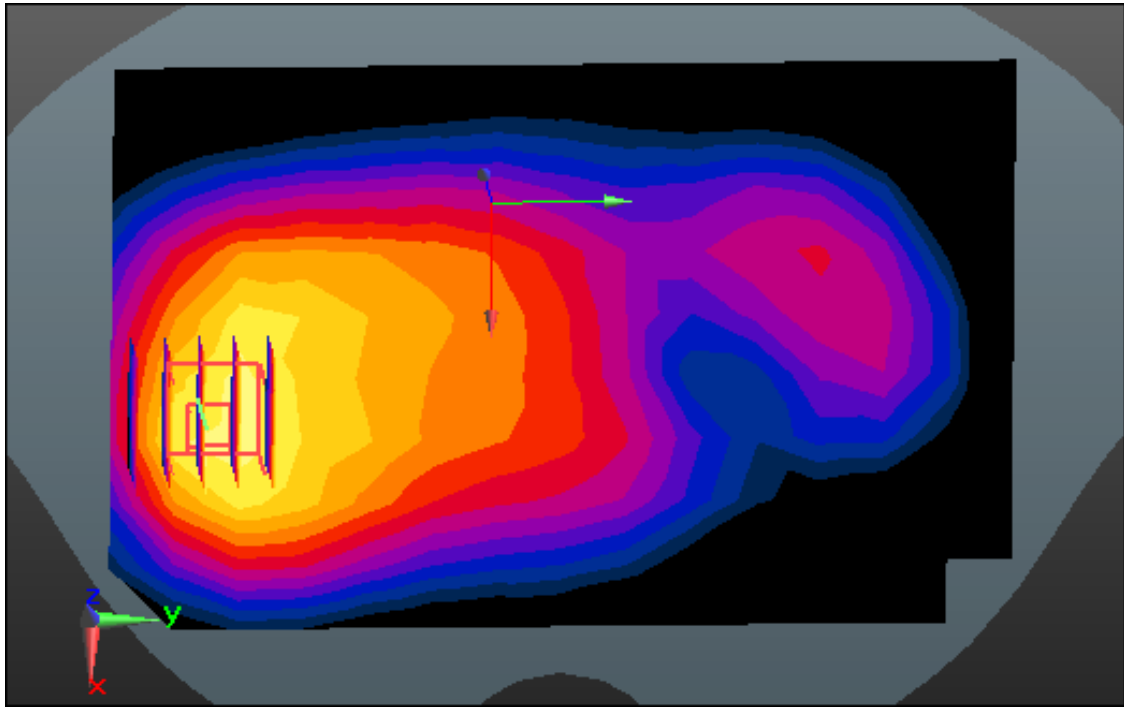
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.346 W/kg**





Enlarged Plot for A34

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.267$  S/m;  $\epsilon_r = 51.436$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.1, 7.1, 7.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.7

**1 cm space from Body, Rear, LTE Band 41 Ch. 41490, Ant Internal**

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

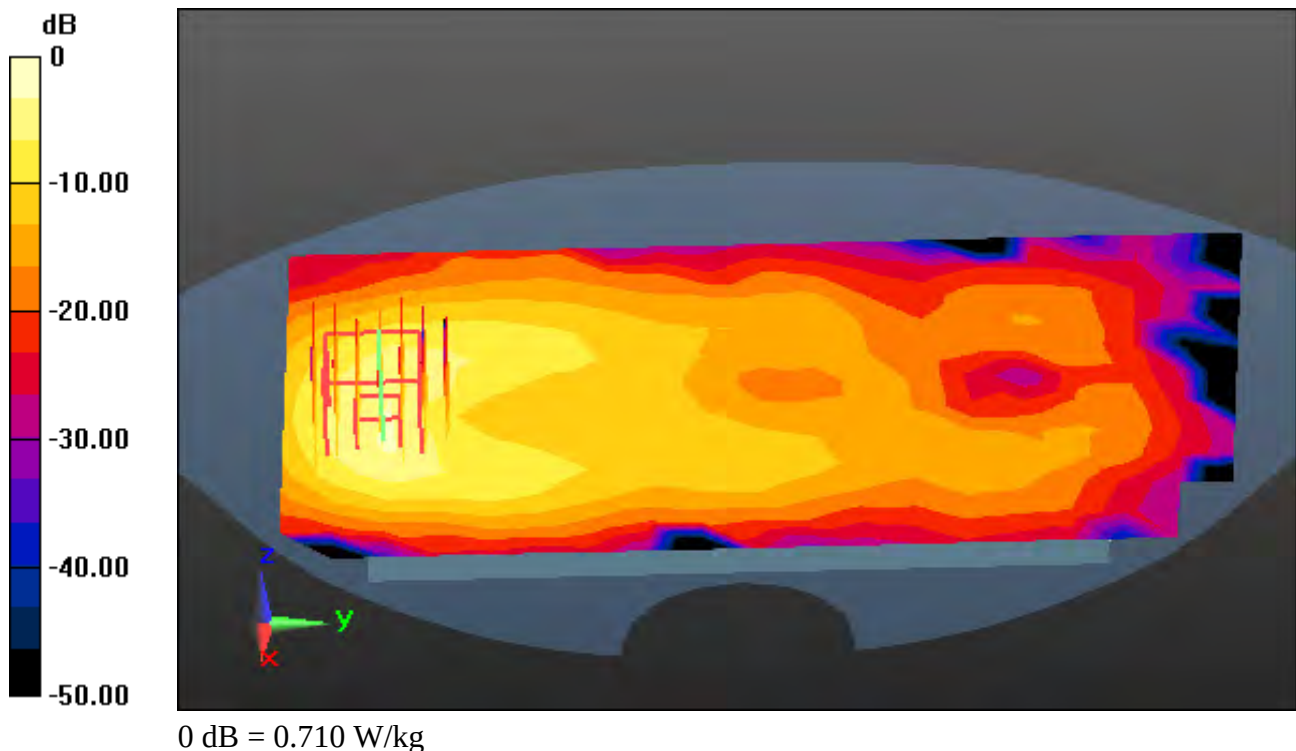
**Area Scan (12x19x1):** Measurement grid: dx=12mm, dy=12mm

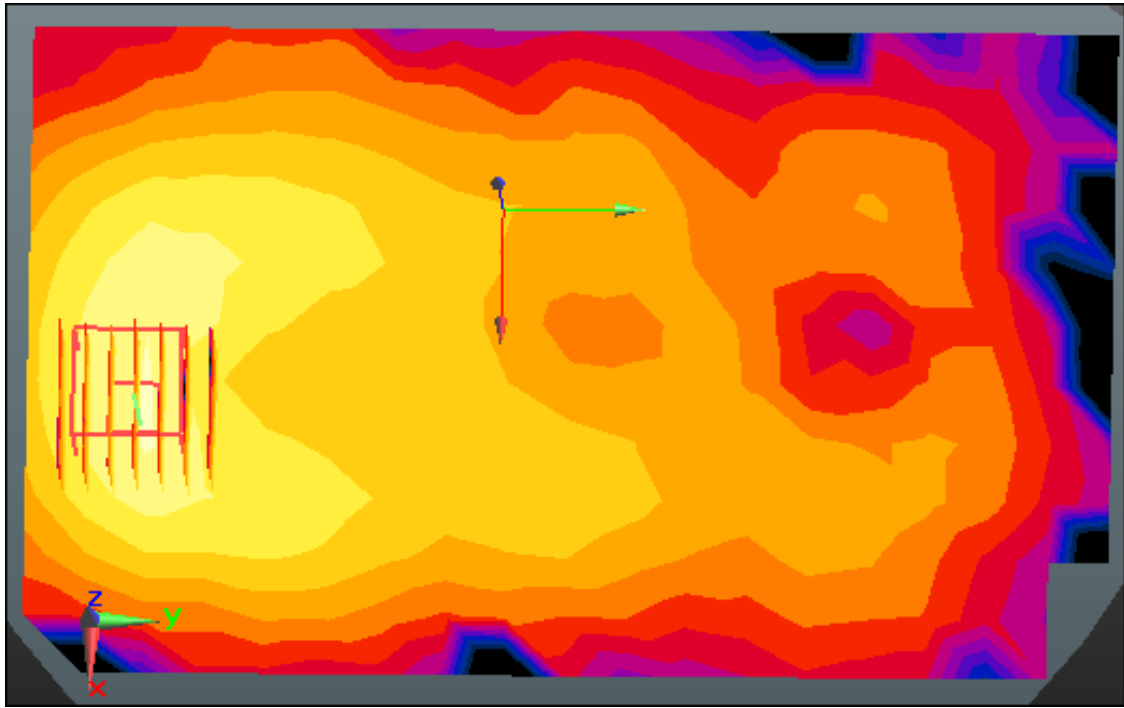
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.531 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.122 W/kg**





Enlarged Plot for A35

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.947 \text{ S/m}$ ;  $\epsilon_r = 51.775$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

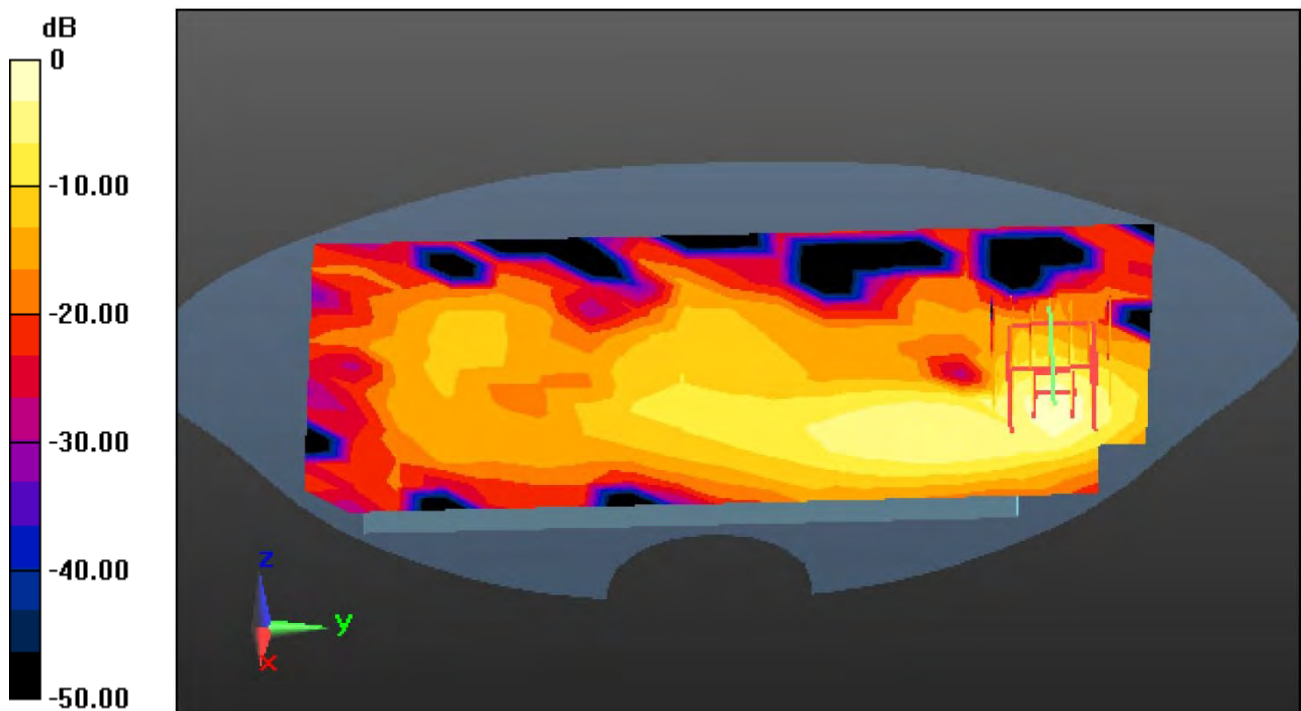
**Area Scan (12x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

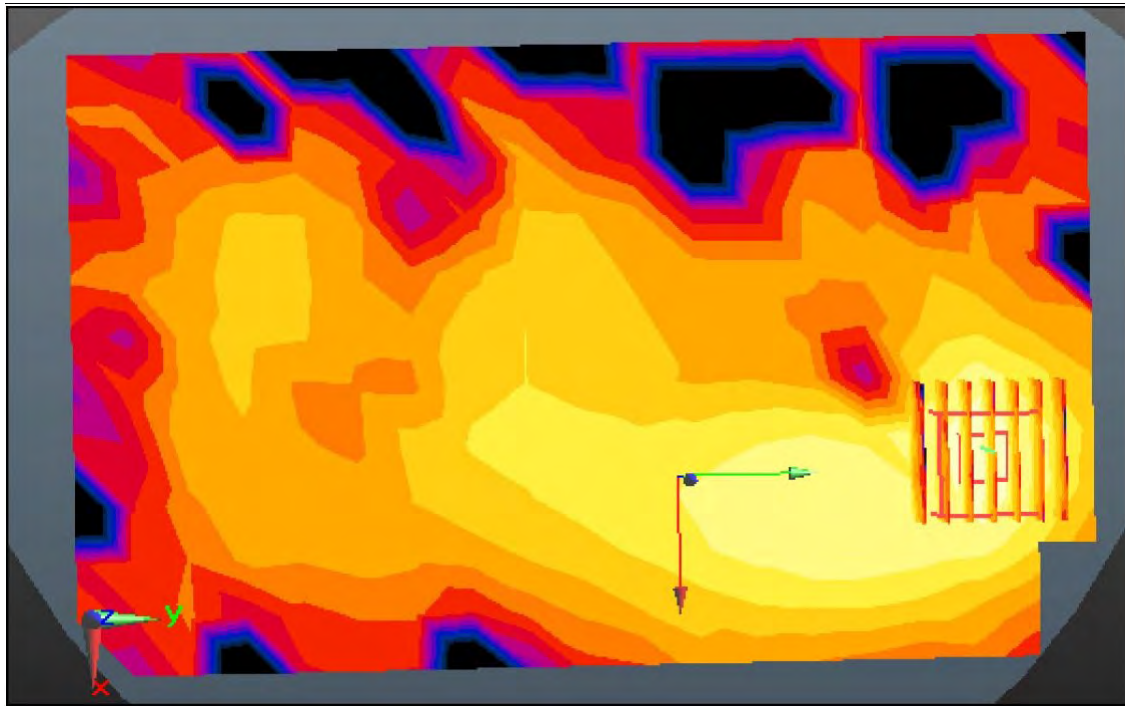
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.162 W/kg

**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.034 W/kg**





Enlarged Plot for A36

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.006 \text{ S/m}$ ;  $\epsilon_r = 51.661$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

**1 cm space from Body, Rear, WLAN(802.11b) Ch. 11, Ant Internal, Ant.2**

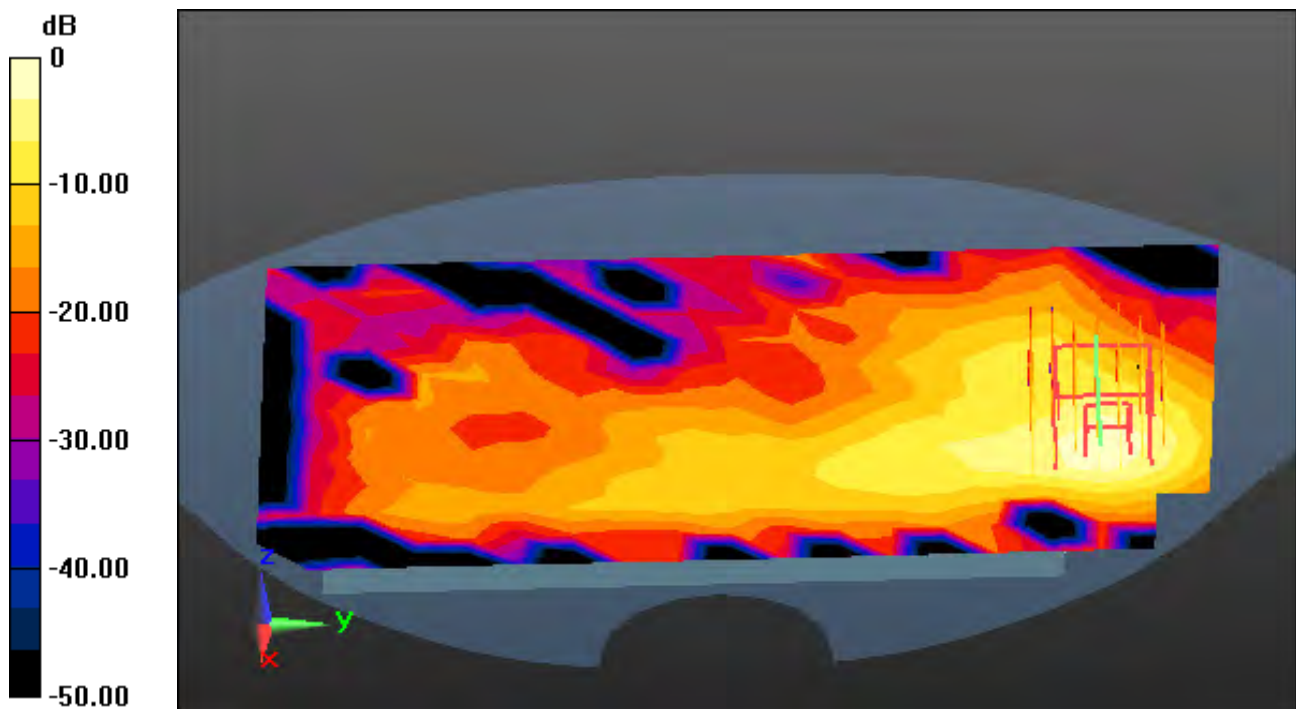
**Area Scan (12x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

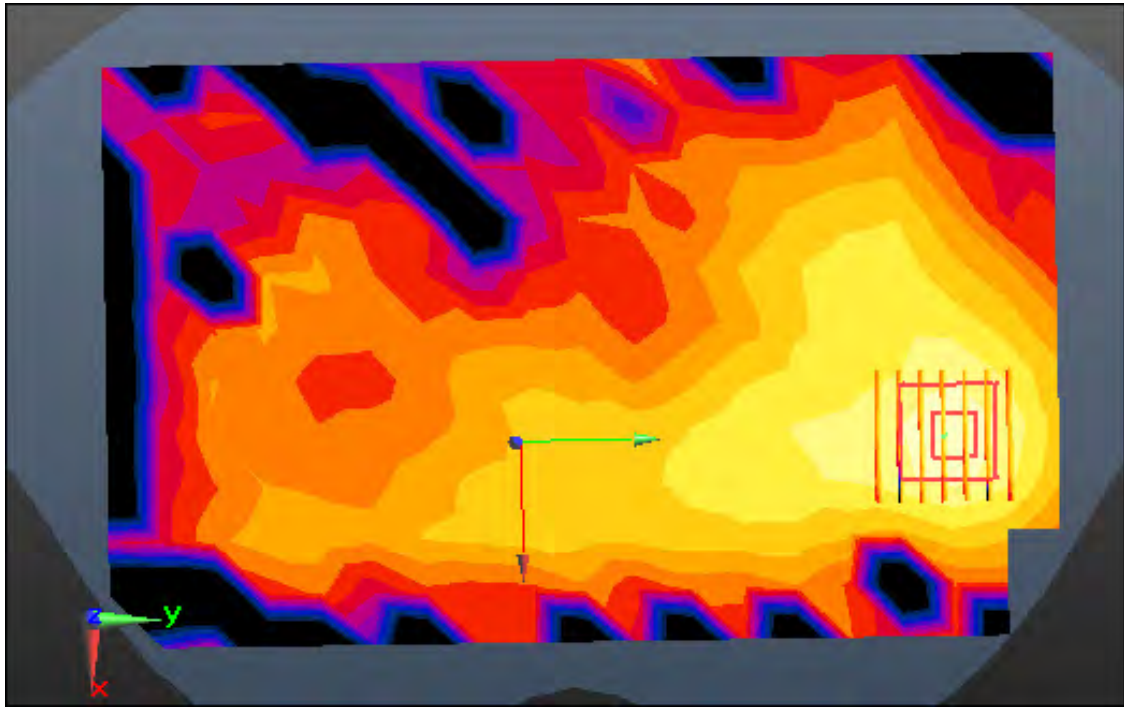
Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.207 W/kg

**SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.046 W/kg**



0 dB = 0.151 W/kg



Enlarged Plot for A37

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.006 \text{ S/m}$ ;  $\epsilon_r = 51.661$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

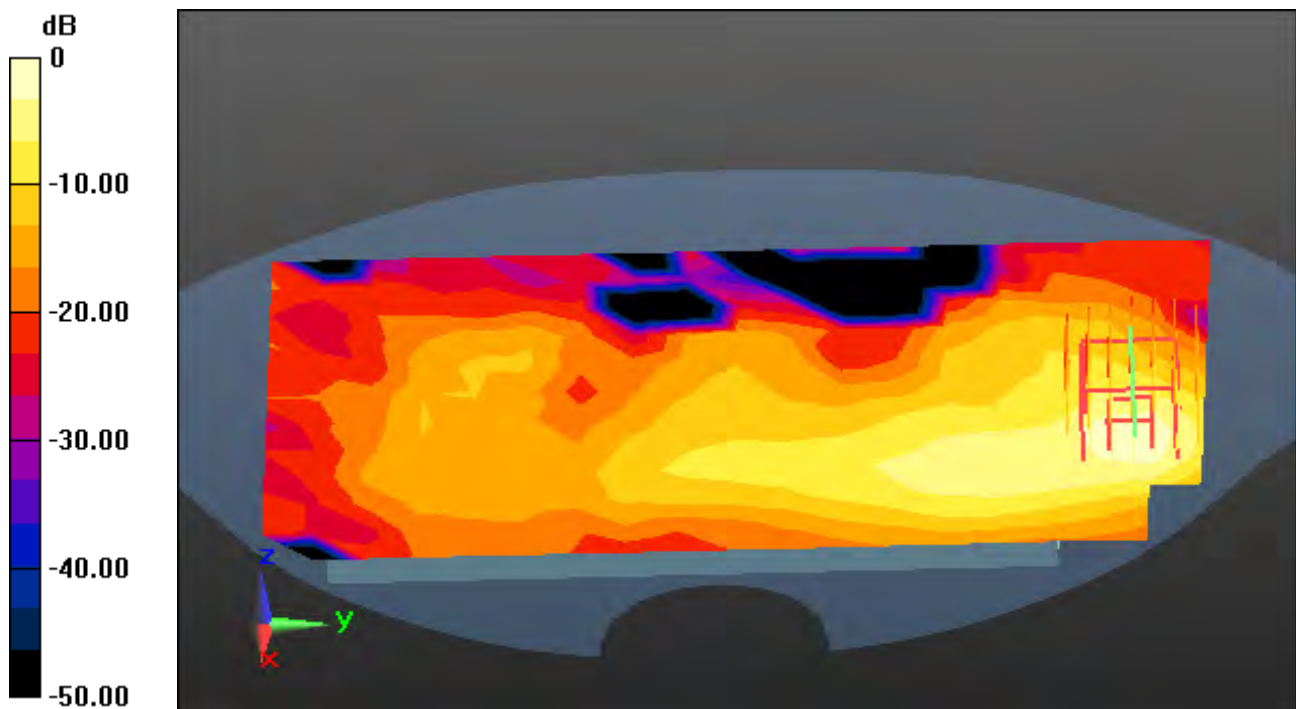
**Area Scan (12x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

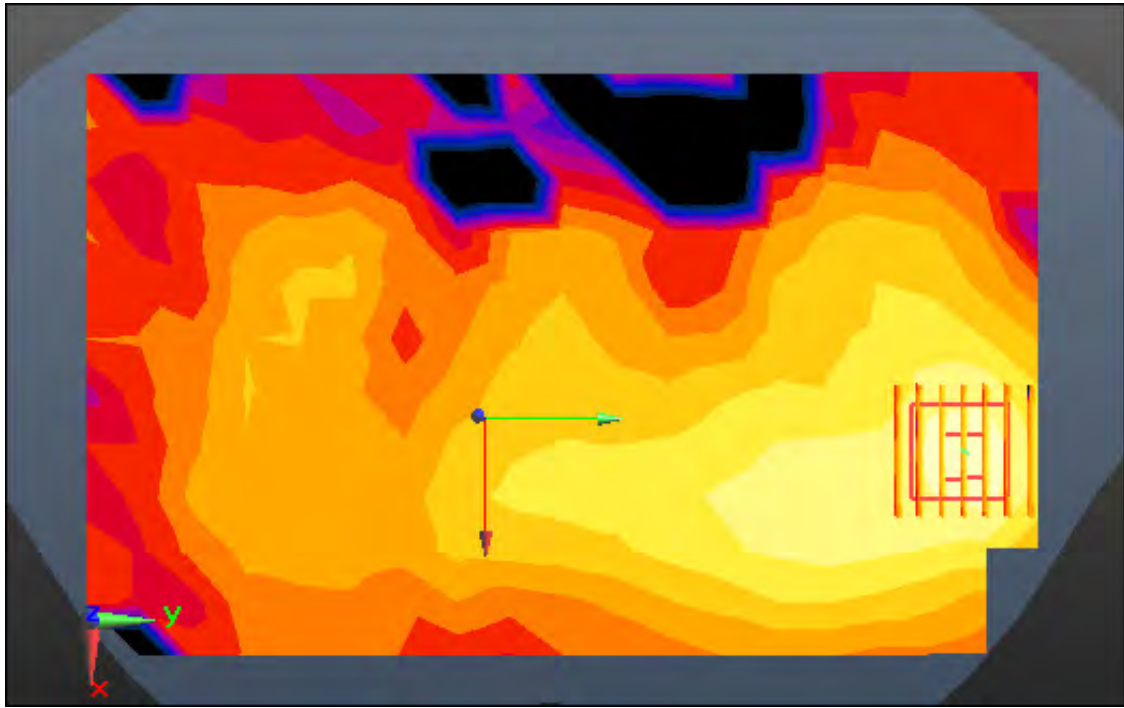
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.061 W/kg**





Enlarged Plot for A38

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.362 \text{ S/m}$ ;  $\epsilon_r = 49.201$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 64, Ant Internal, Ant.1**

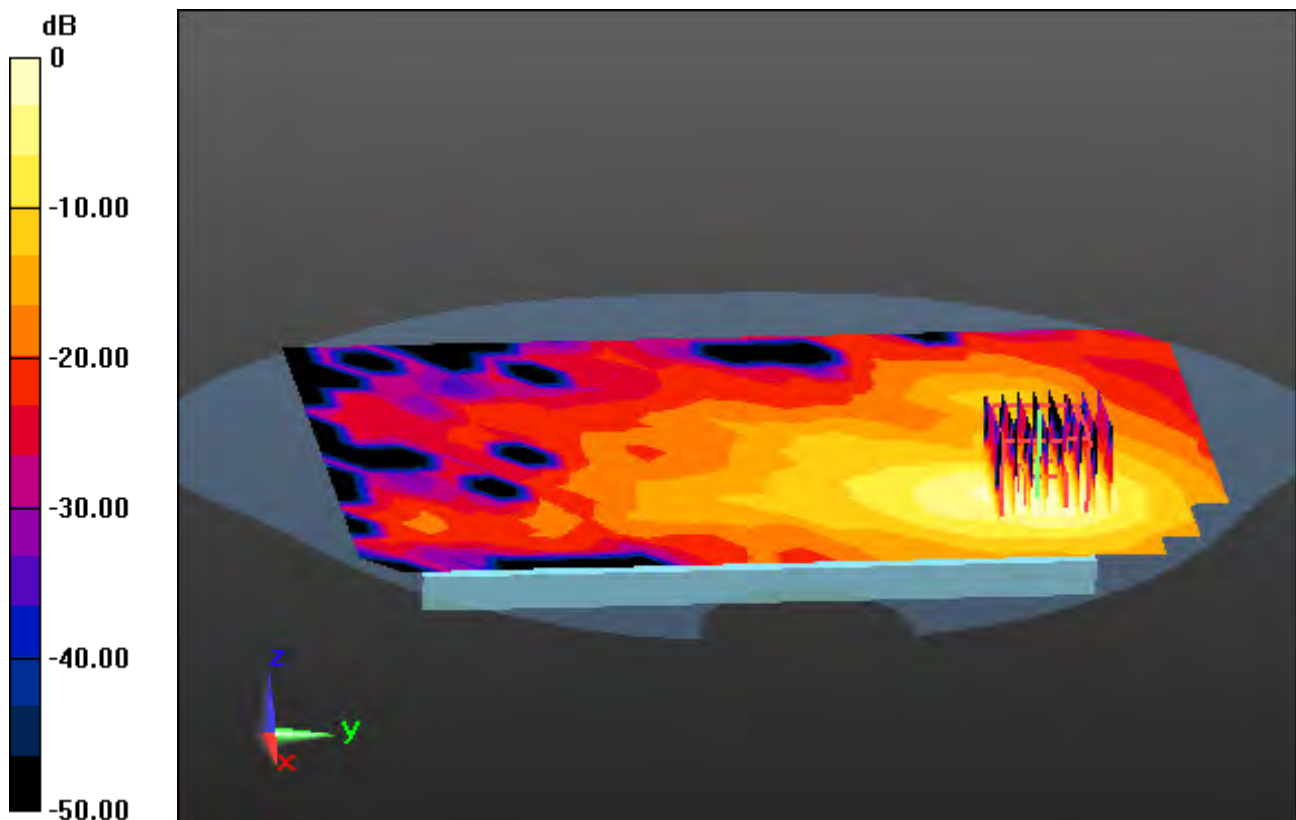
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

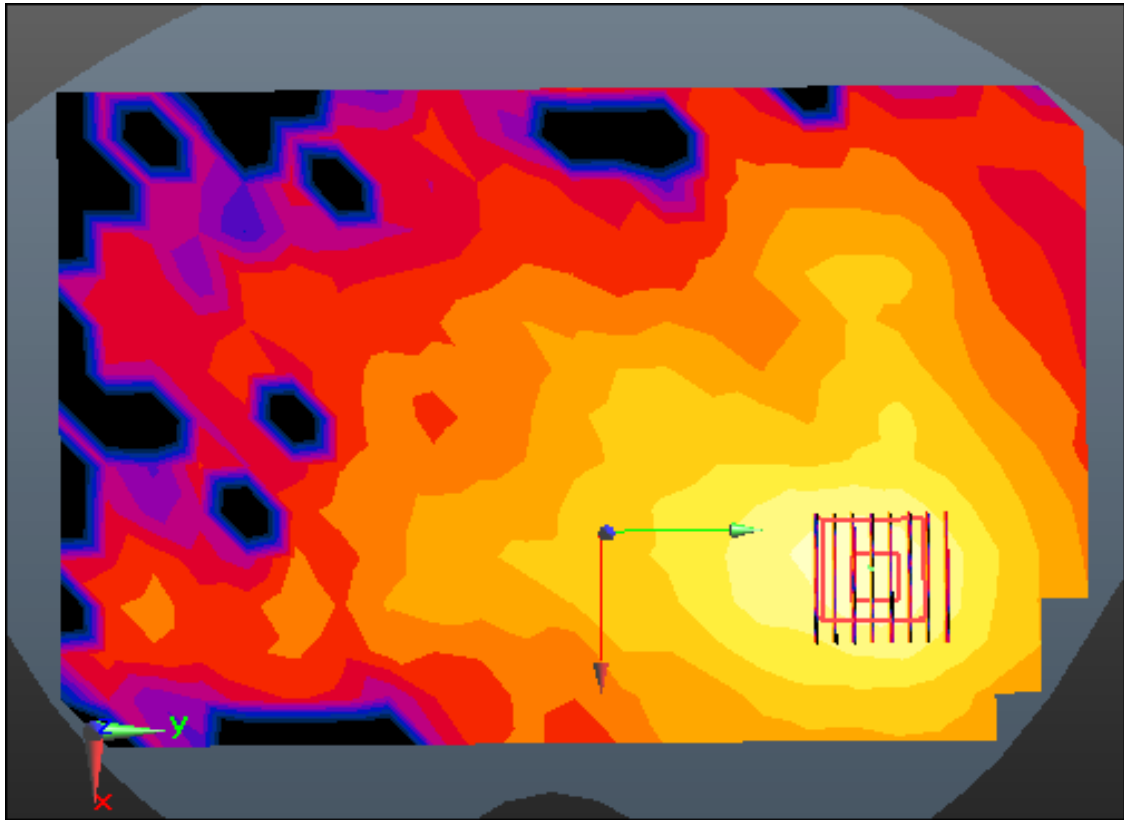
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.113 W/kg**





Enlarged Plot for A39

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.232$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, Ant.2**

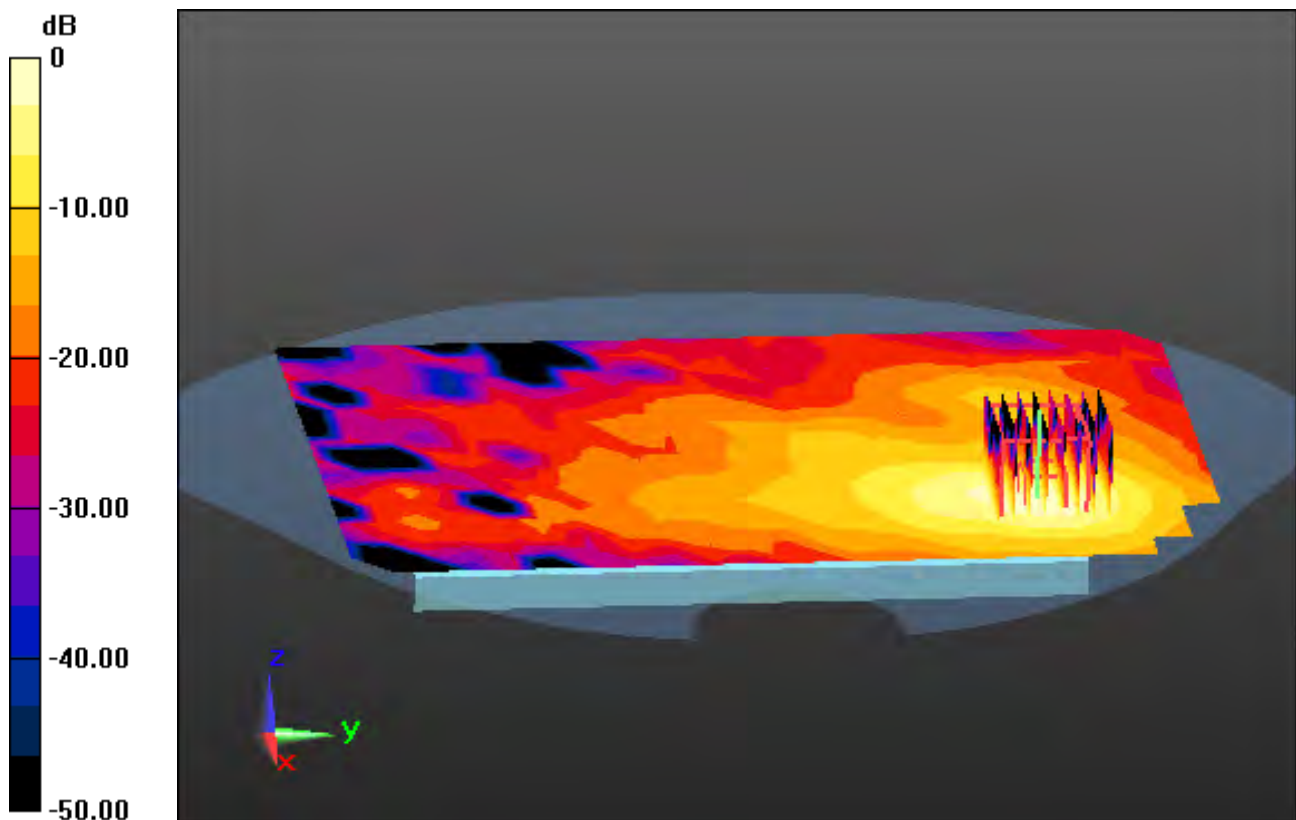
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

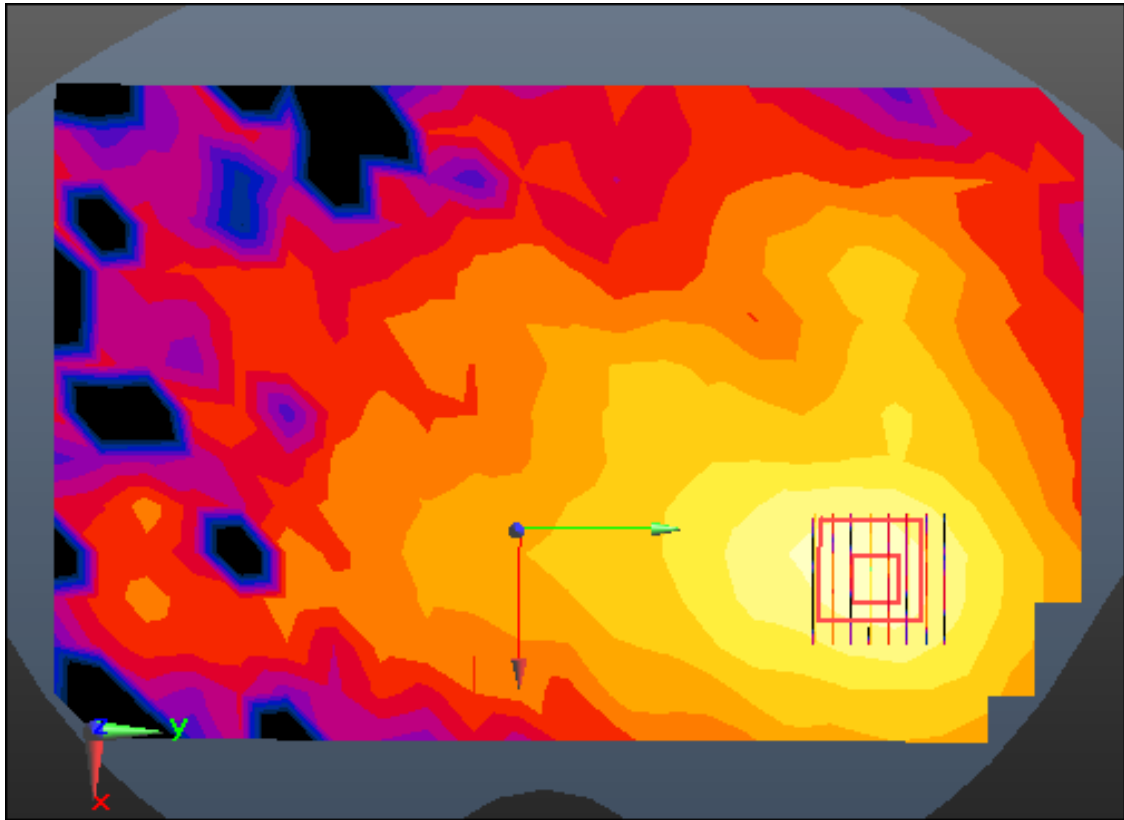
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.104 W/kg**





Enlarged Plot for A40

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.3$  S/m;  $\epsilon_r = 49.232$ ;  $\rho = 1000$  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: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, MIMO**

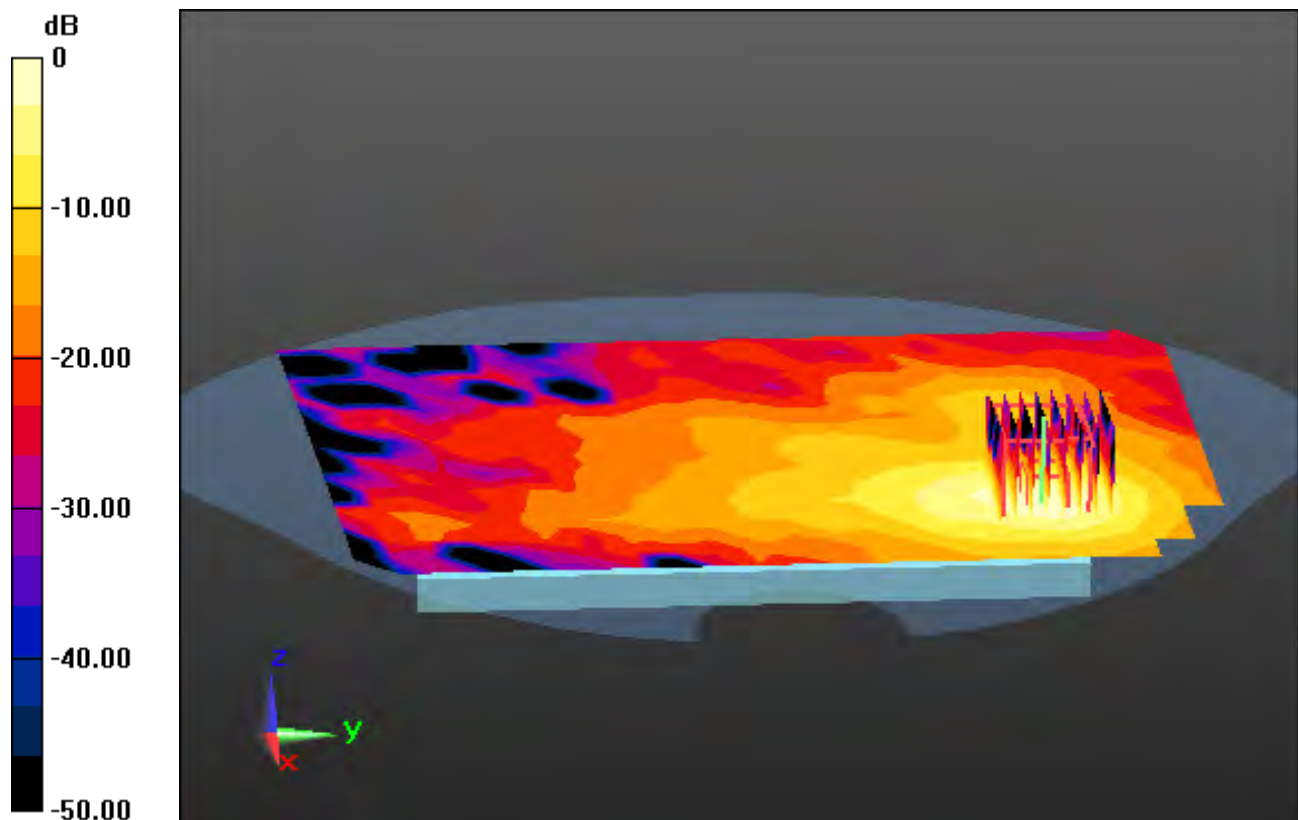
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

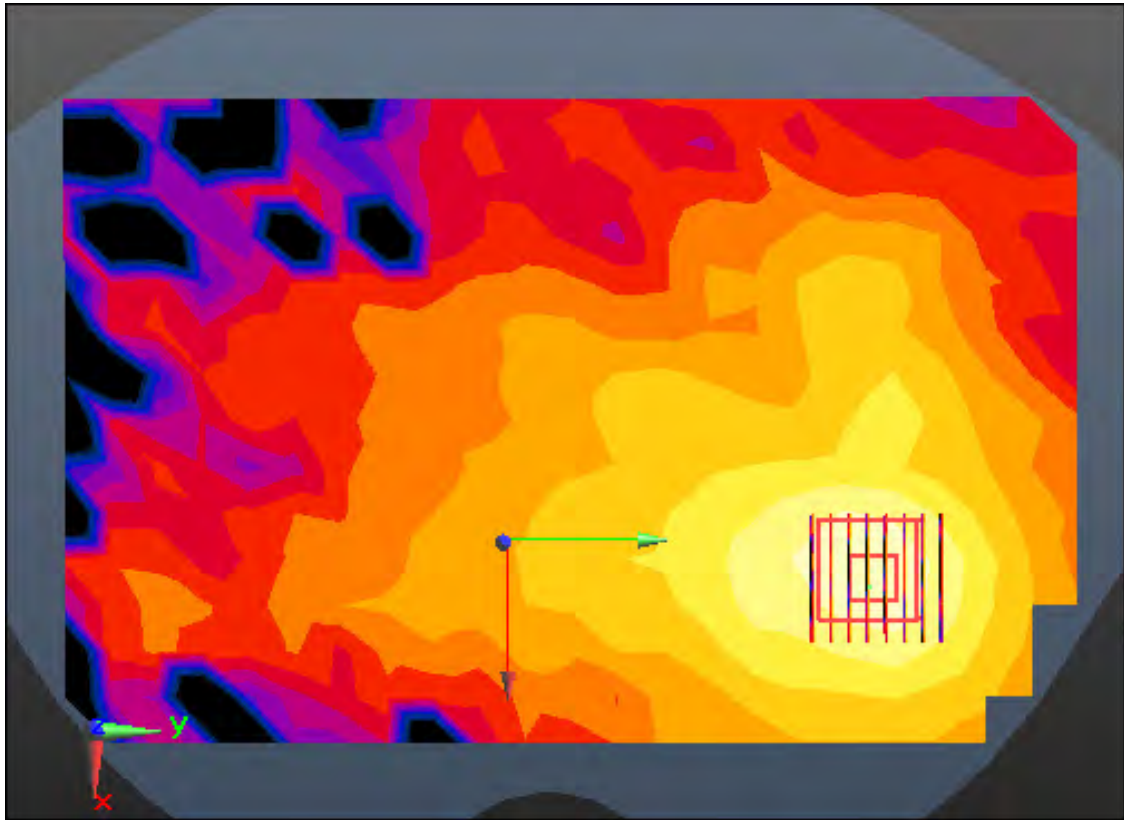
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.119 W/kg**





Enlarged Plot for A41

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type**

Communication System: UID 0, W-LAN\_5500 (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.751$  S/m;  $\epsilon_r = 48.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

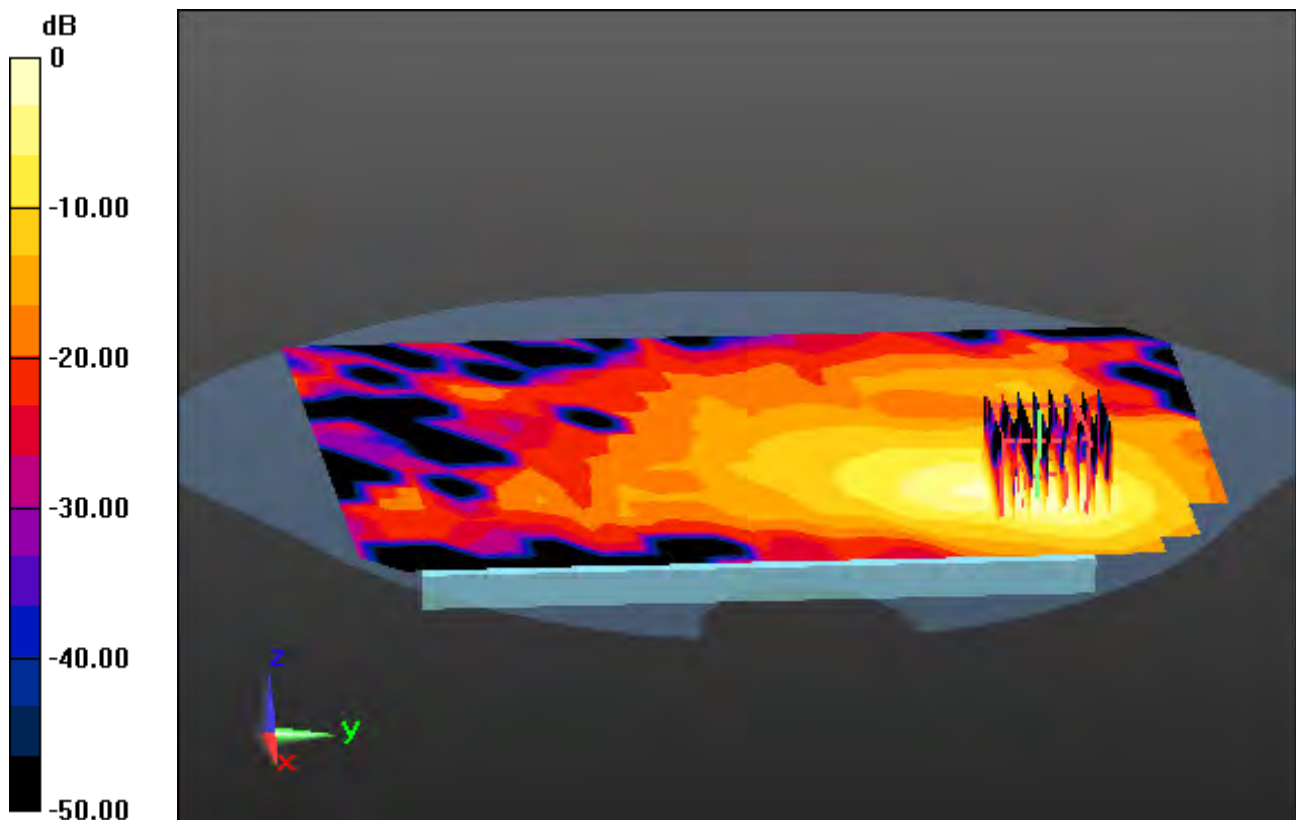
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

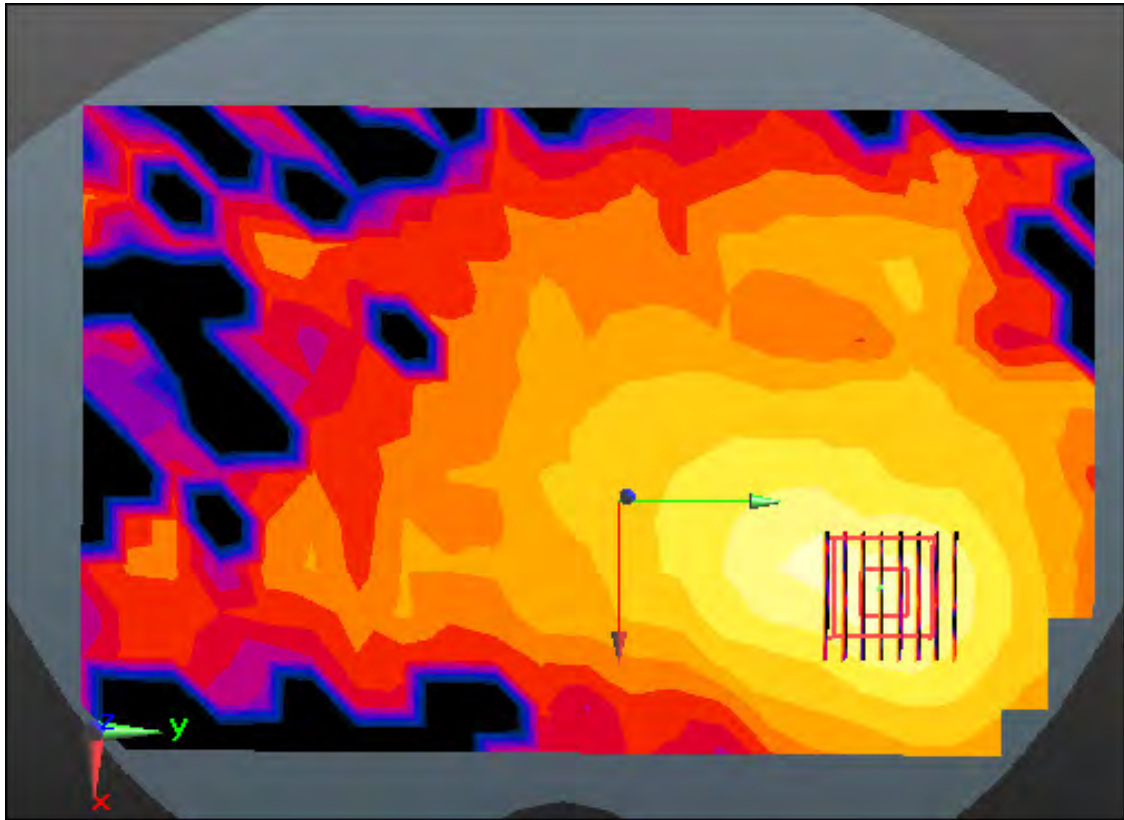
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.772 W/kg

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





Enlarged Plot for A42

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5600 (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 6.062 \text{ S/m}$ ;  $\epsilon_r = 48.288$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

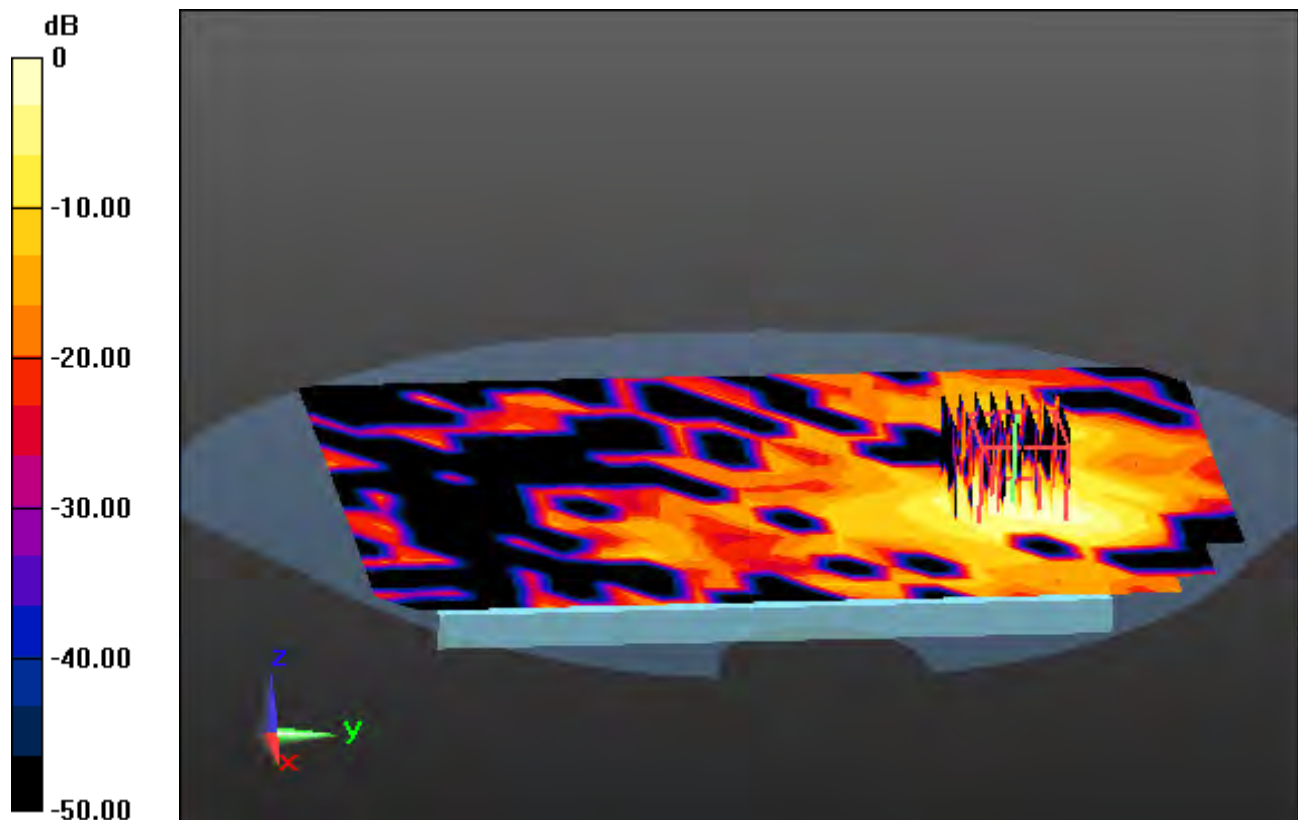
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

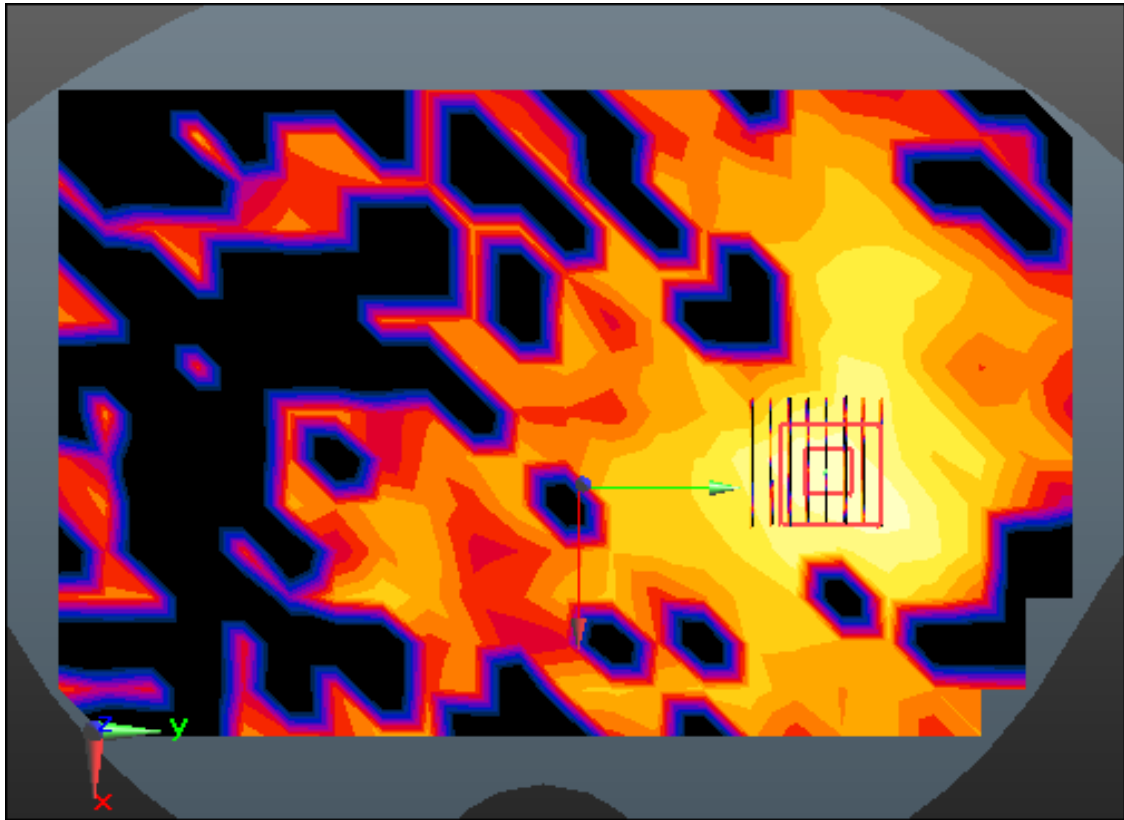
Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.173 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.014 W/kg**



0 dB = 0.108 W/kg



Enlarged Plot for A43

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5500 (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.751$  S/m;  $\epsilon_r = 48.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

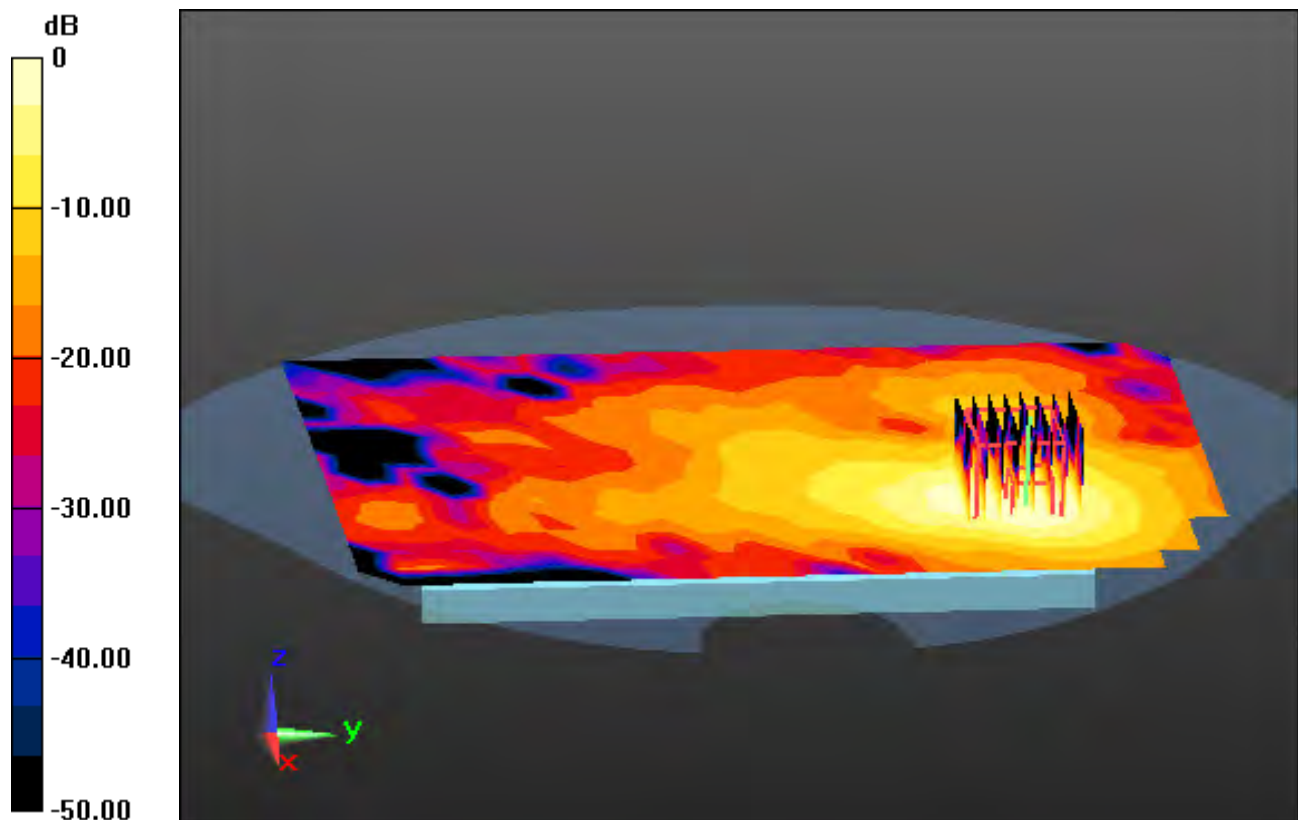
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

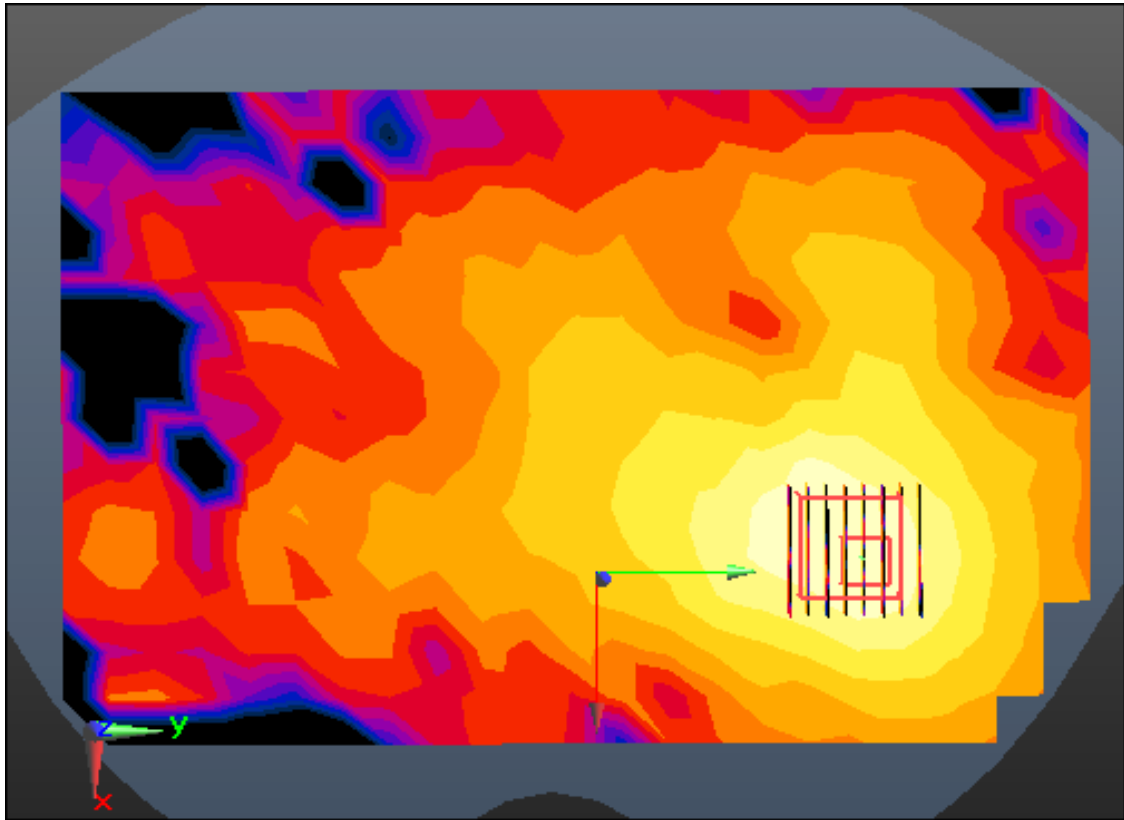
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.125 W/kg**





Enlarged Plot for A44

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.234 \text{ S/m}$ ;  $\epsilon_r = 48.336$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

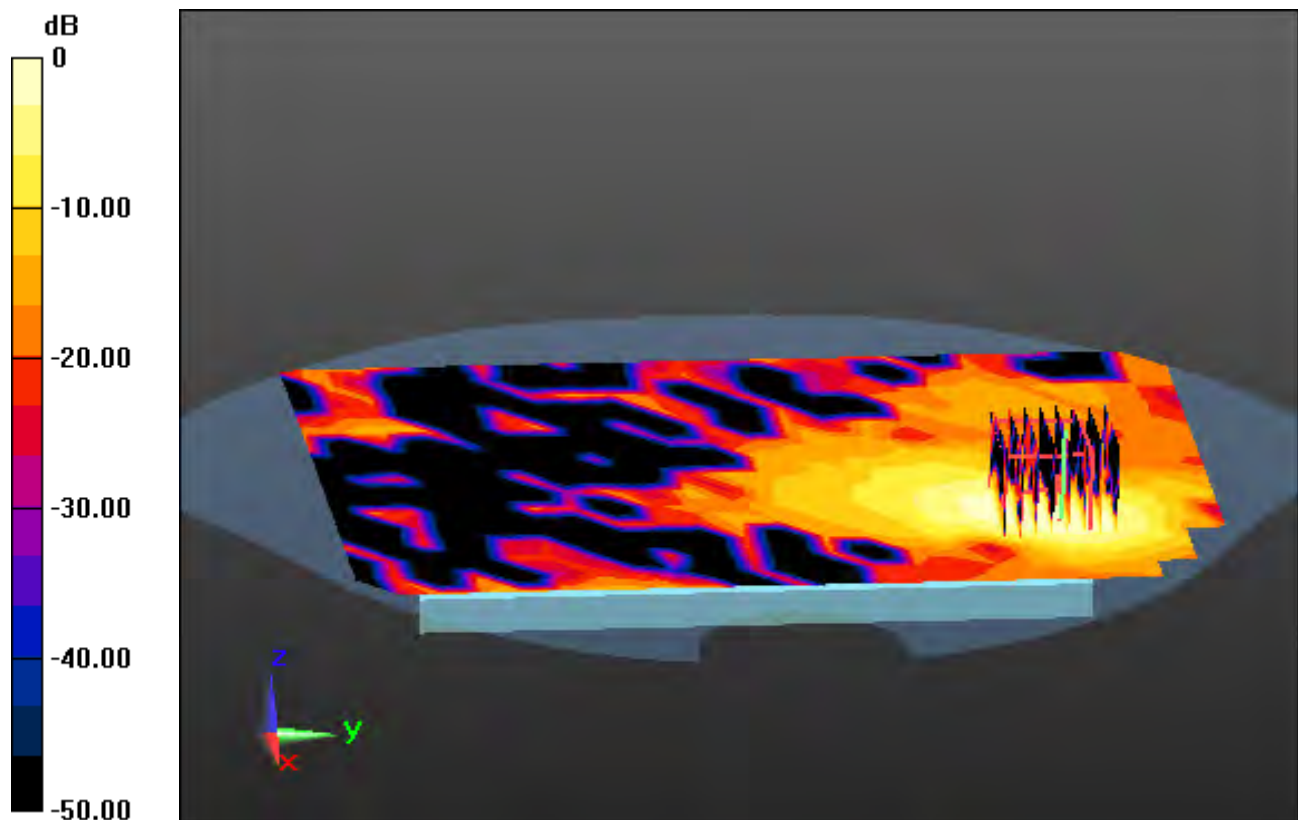
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

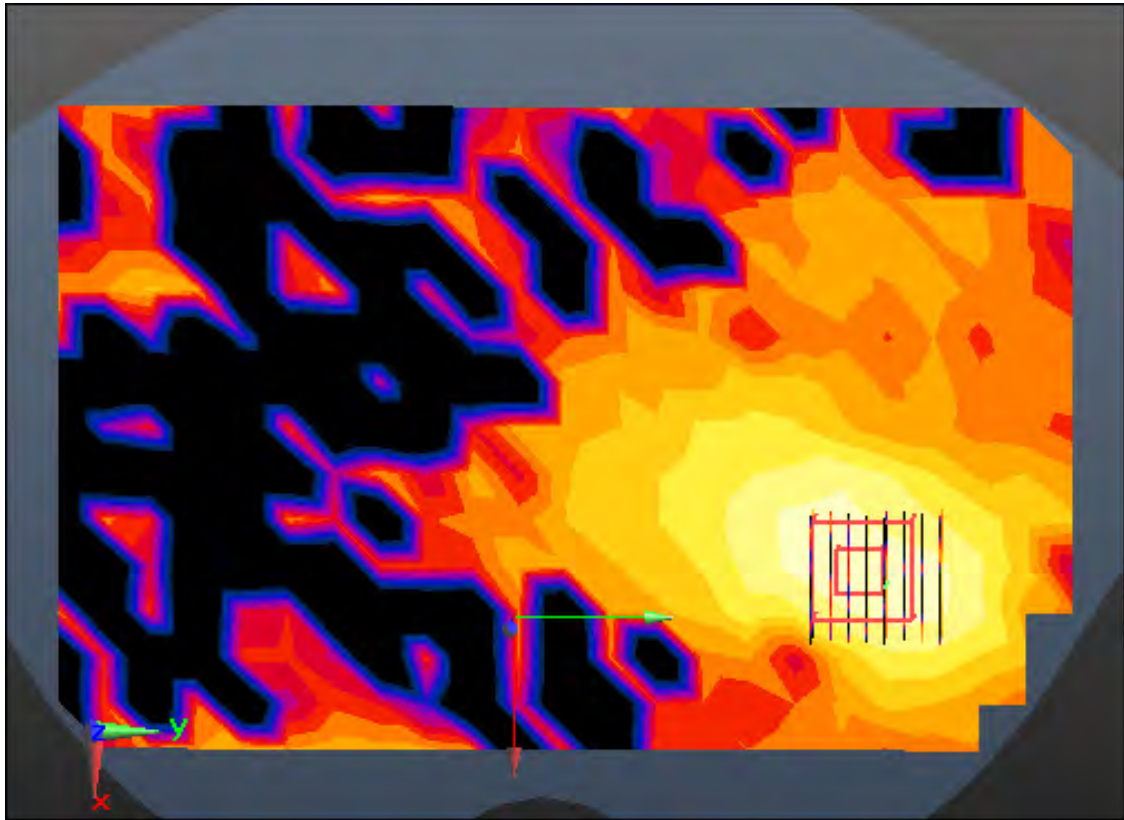
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.021 W/kg**



0 dB = 0.159 W/kg



Enlarged Plot for A45

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.234 \text{ S/m}$ ;  $\epsilon_r = 48.336$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

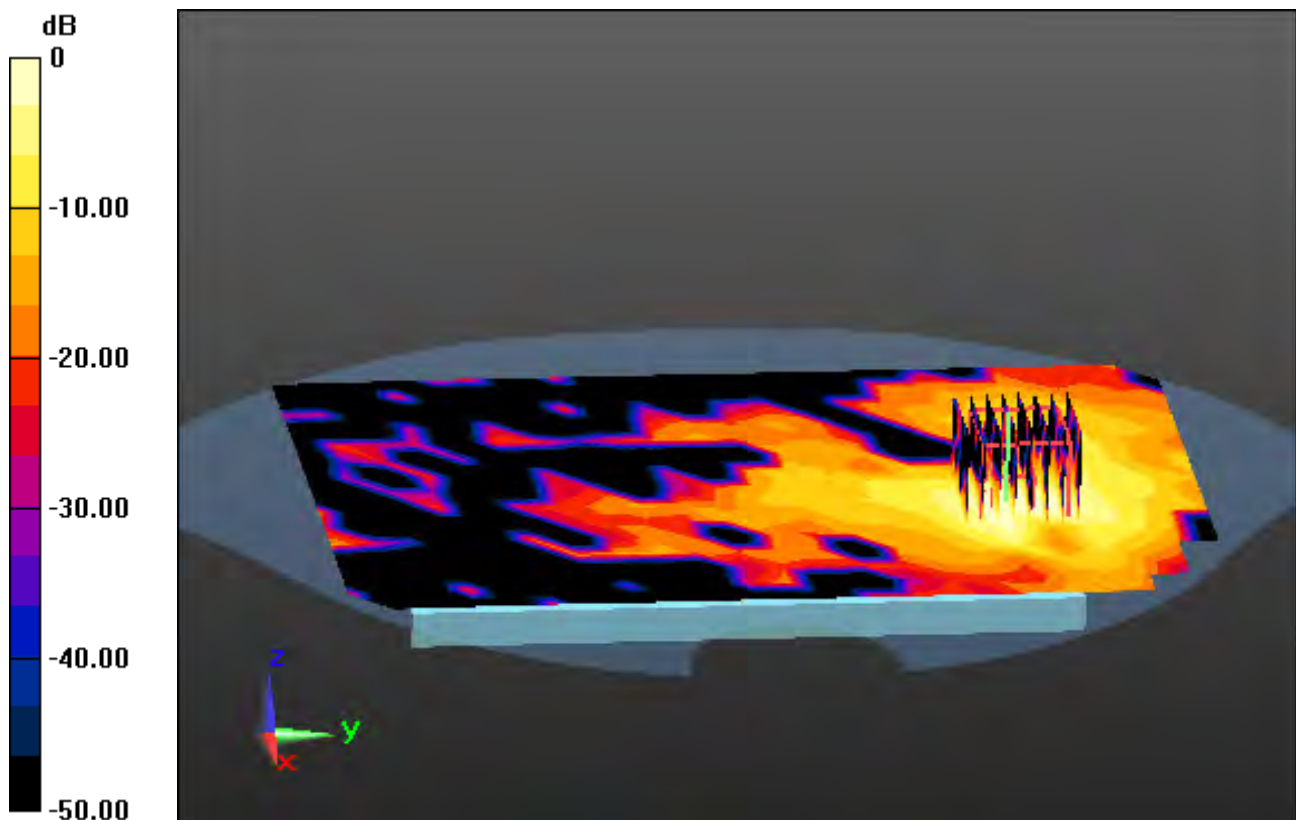
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

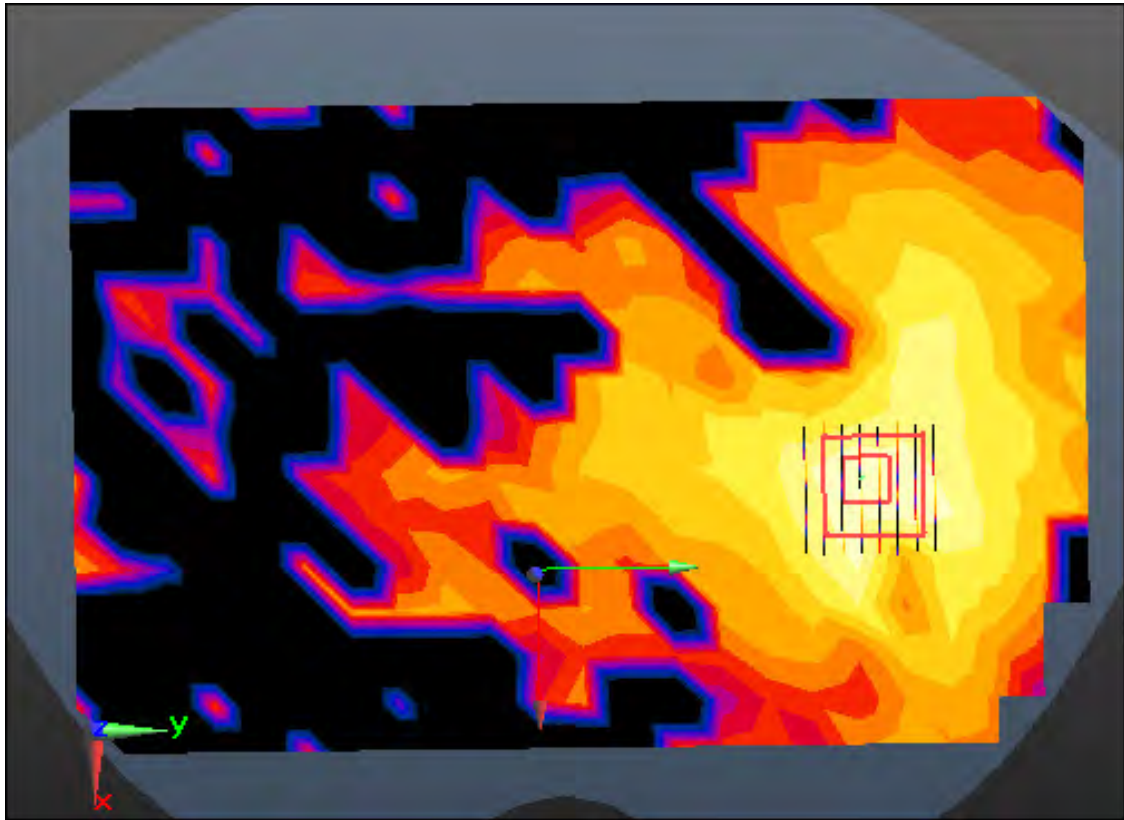
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.242 W/kg

**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.019 W/kg**



0 dB = 0.151 W/kg



Enlarged Plot for A46

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.234 \text{ S/m}$ ;  $\epsilon_r = 48.336$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

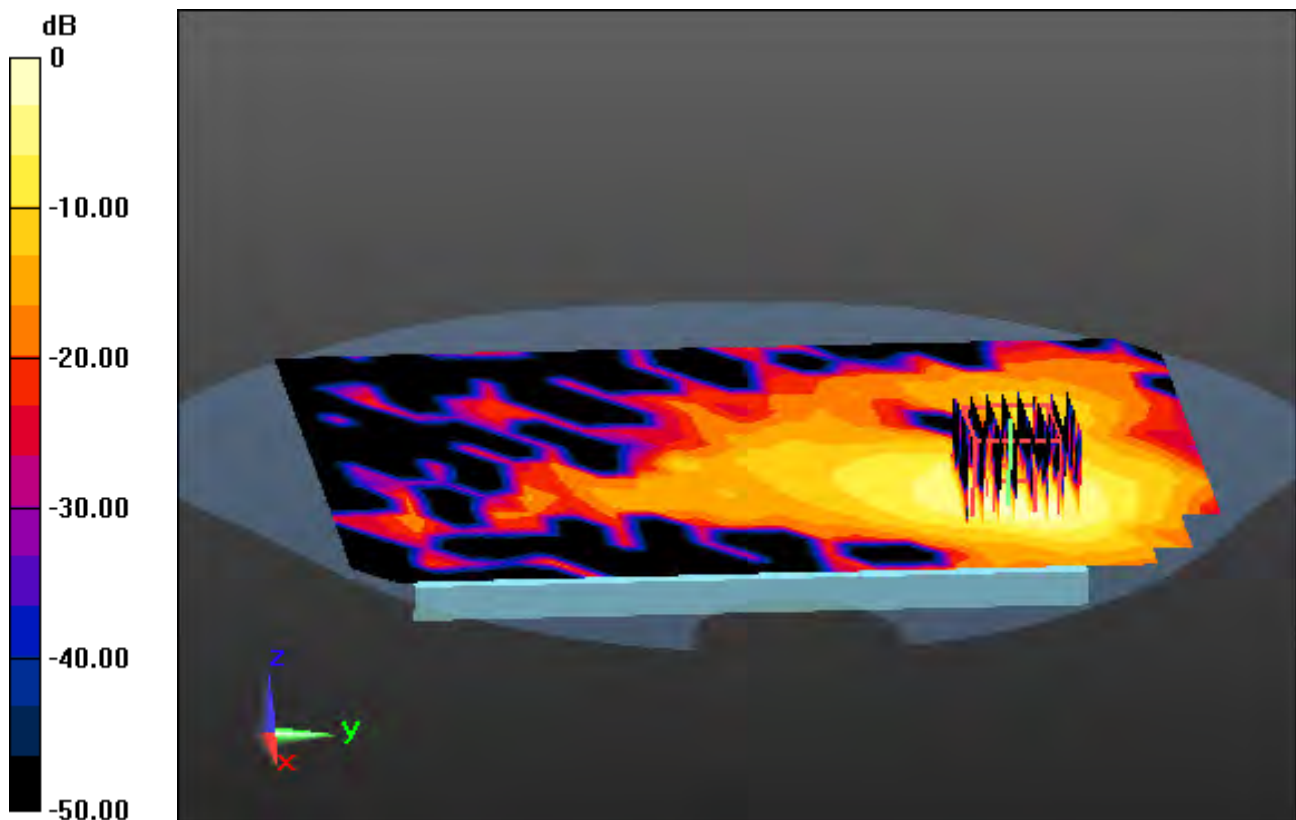
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

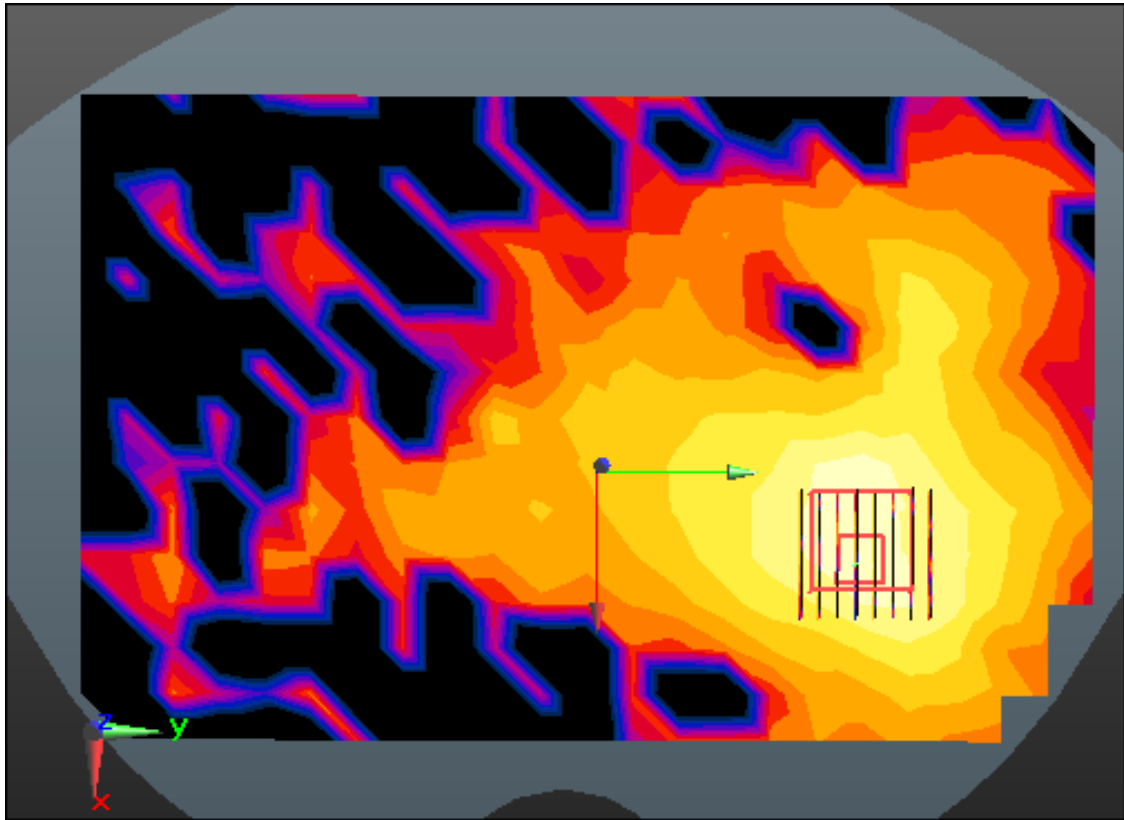
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.475 W/kg

**SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.034 W/kg**



0 dB = 0.285 W/kg



Enlarged Plot for A47

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.981 \text{ S/m}$ ;  $\epsilon_r = 51.705$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

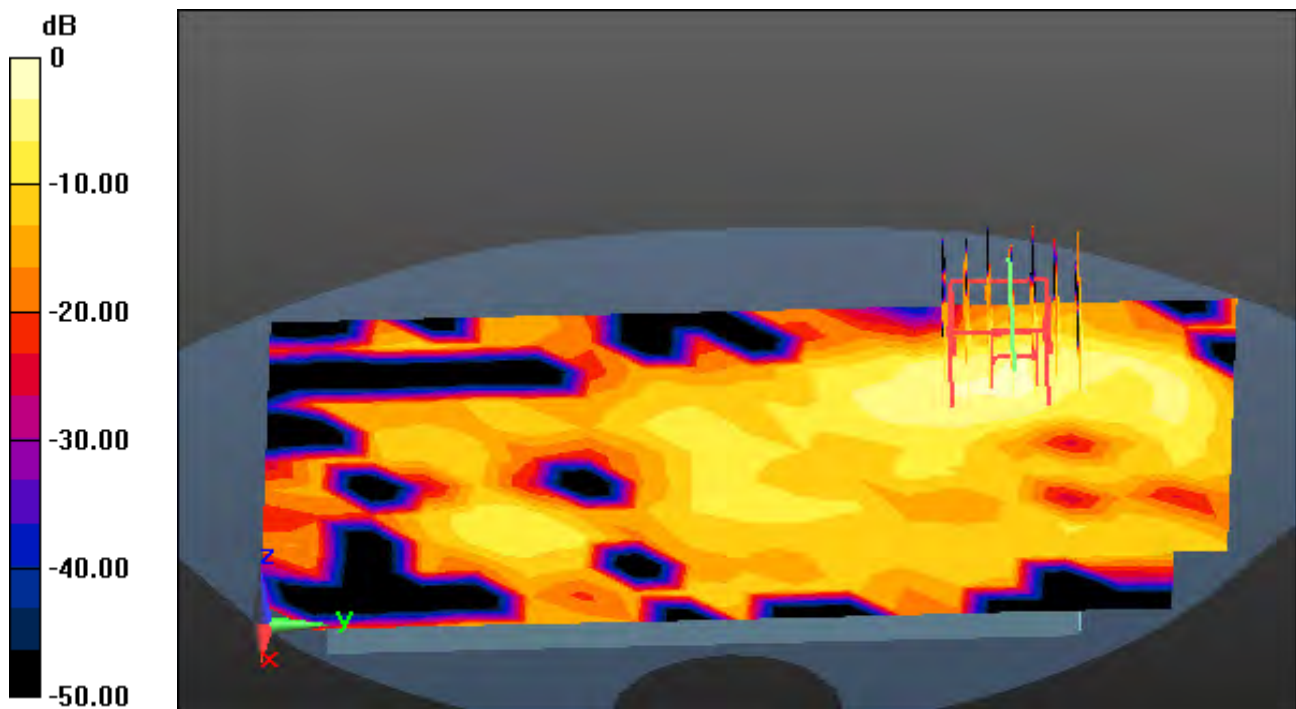
**Area Scan (12x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

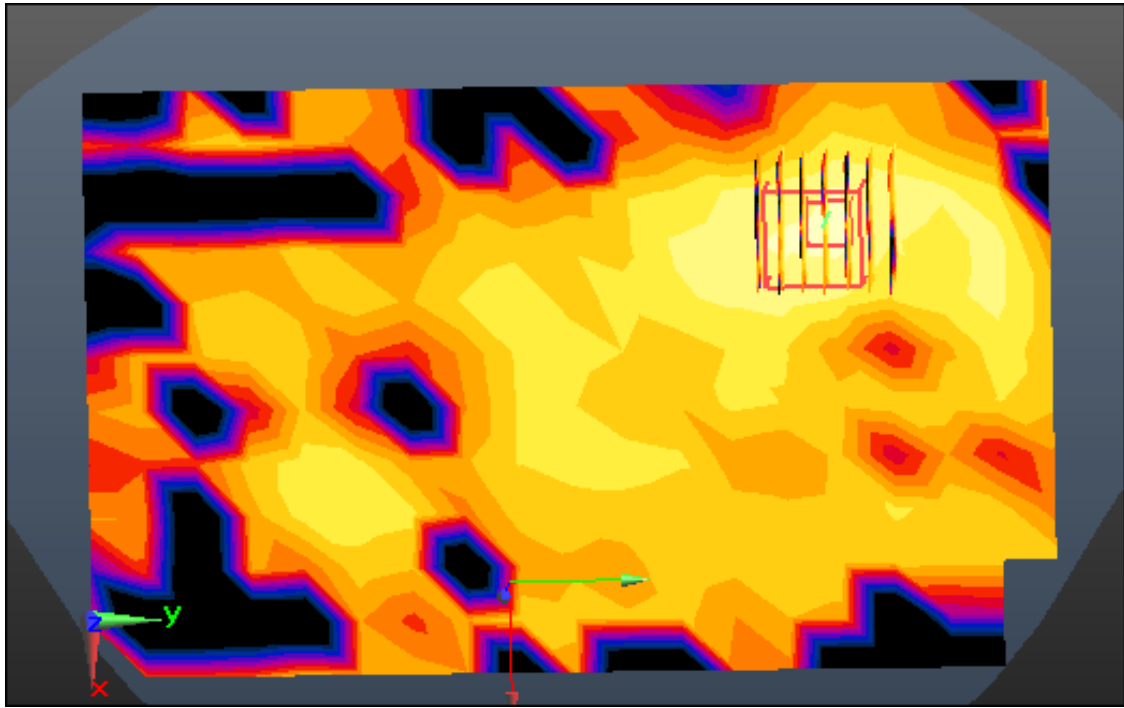
Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0270 W/kg

**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00544 W/kg**



0 dB = 0.0283 W/kg



Enlarged Plot for A48

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar;**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.535$  S/m;  $\epsilon_r = 51.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

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

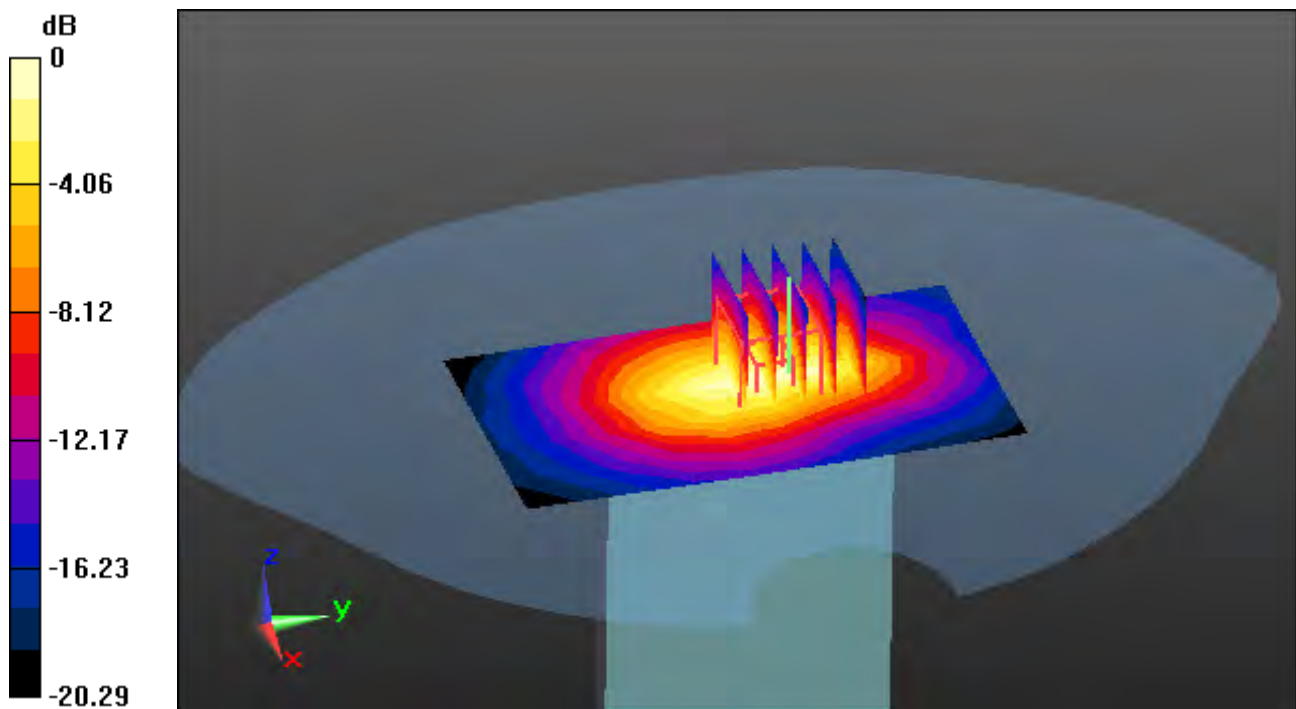
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

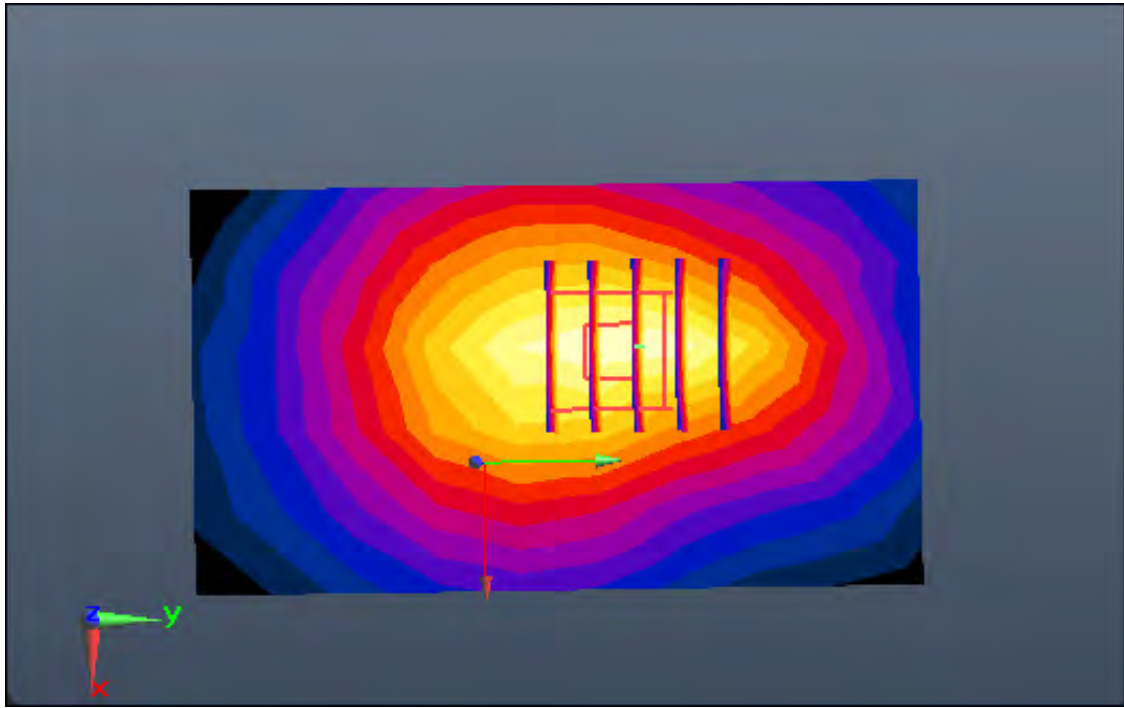
Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.317 W/kg**



0 dB = 0.819 W/kg



Enlarged Plot for A49

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.507$  S/m;  $\epsilon_r = 52.008$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

**1 cm space from Body, Bottom, WCDMA Band 2 Ch. 9262, Ant Internal**

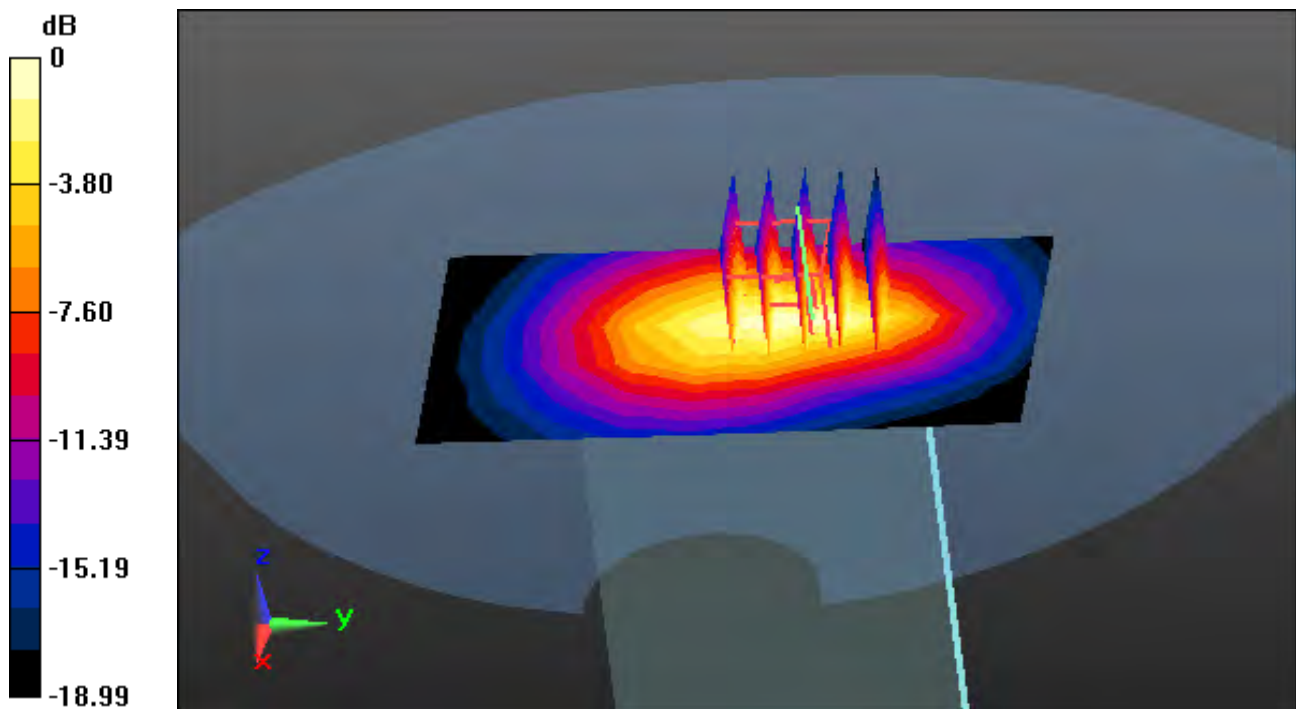
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

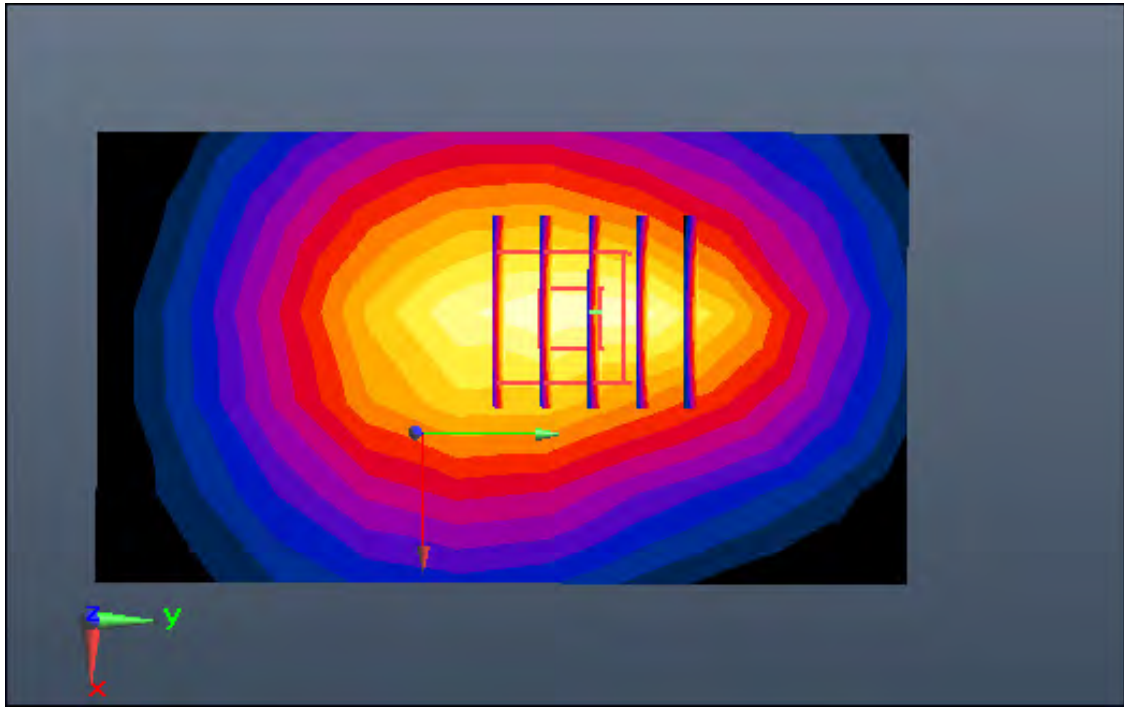
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.539 W/kg**



0 dB = 1.43 W/kg



Enlarged Plot for A50

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.475$  S/m;  $\epsilon_r = 53.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.74, 7.74, 7.74); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.5

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

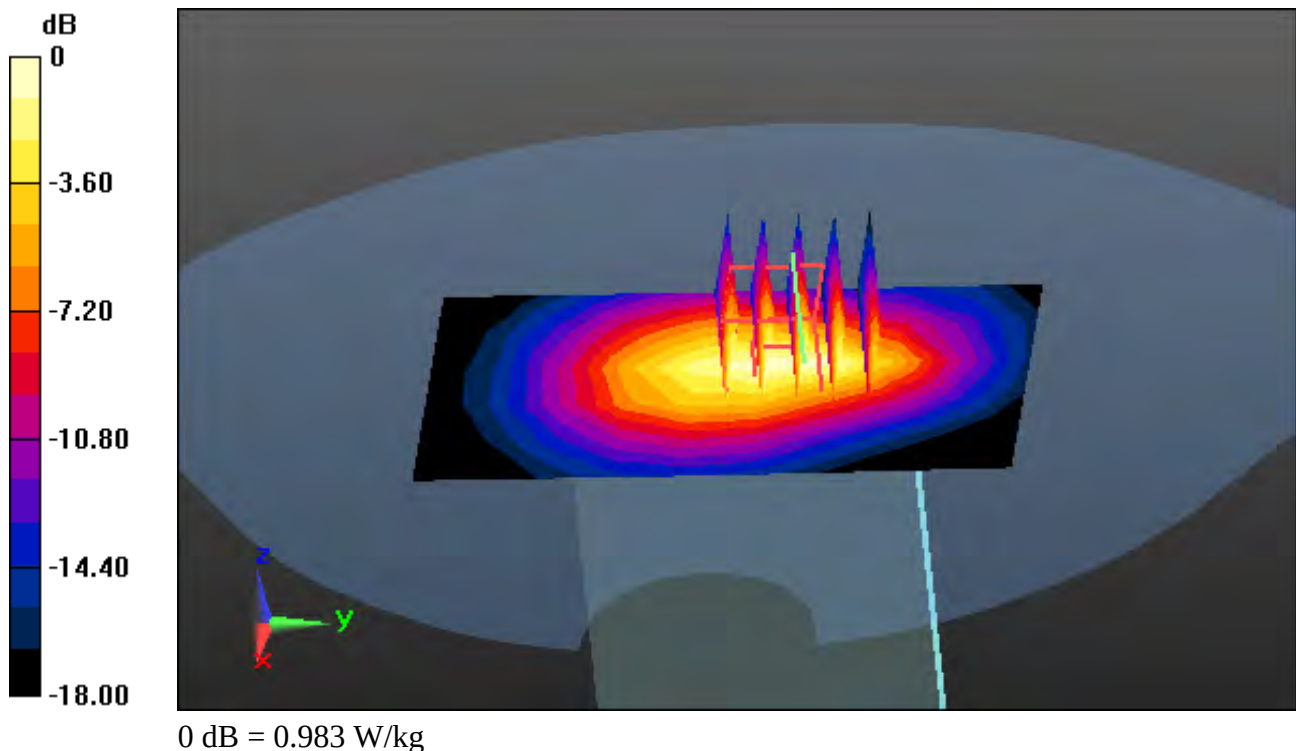
**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

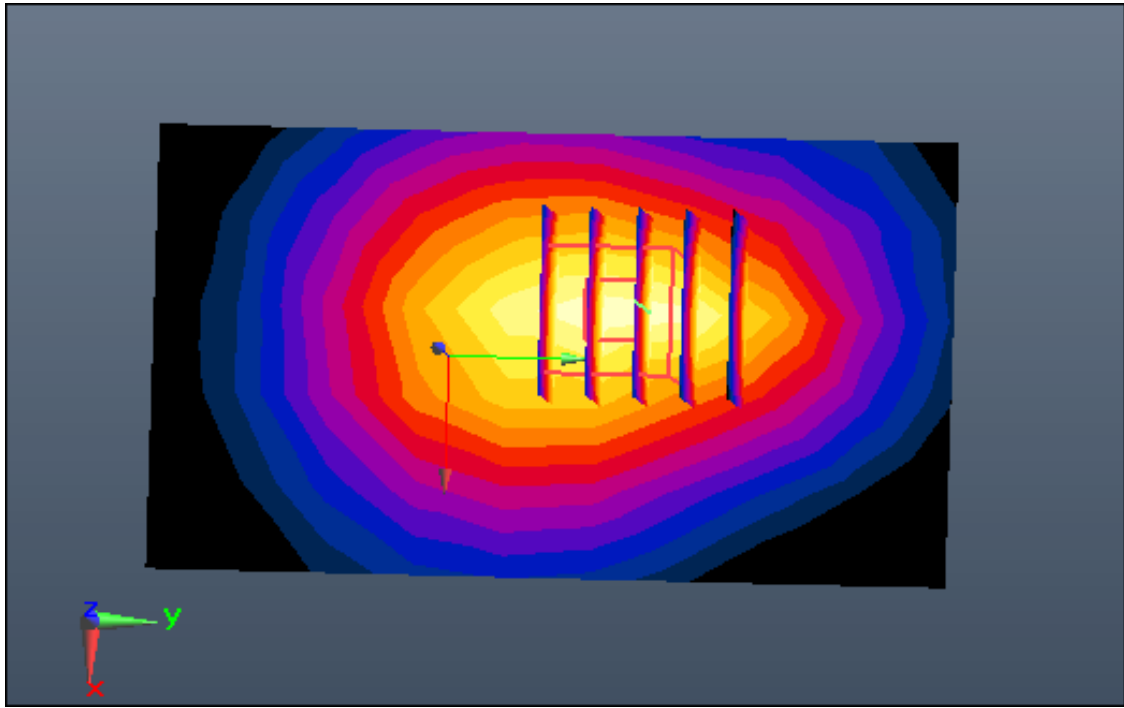
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.403 W/kg**





Enlarged Plot for A51

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.472 \text{ S/m}$ ;  $\epsilon_r = 51.644$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 21.9

**1 cm space from Body, Bottom, LTE Band 2 Ch. 18700, Ant Internal**

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

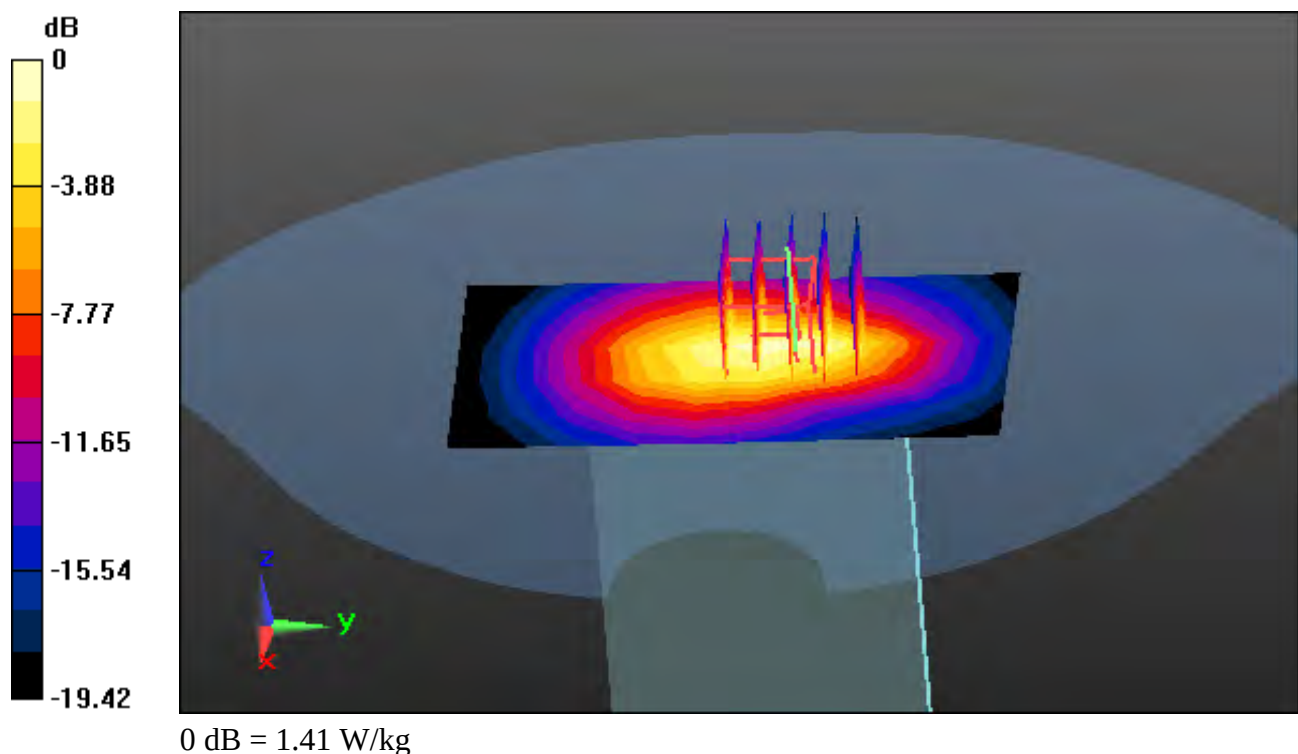
**Area Scan (6x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

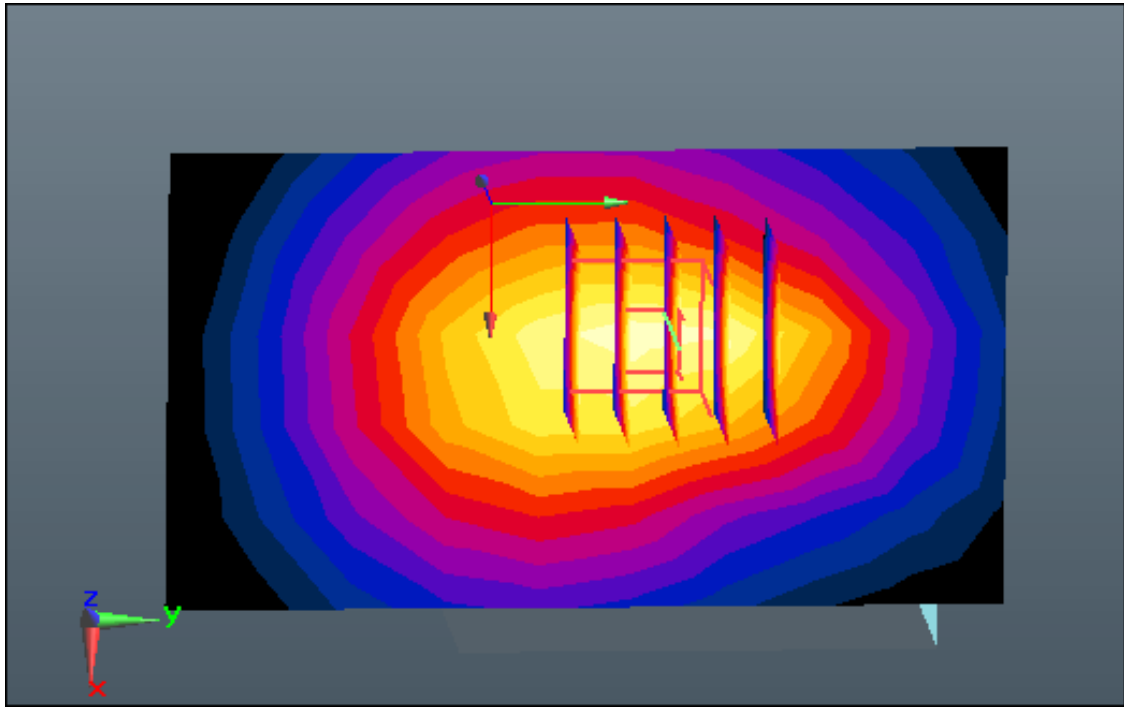
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.527 W/kg**





Enlarged Plot for A52

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.267$  S/m;  $\epsilon_r = 51.436$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.1, 7.1, 7.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.7

**1 cm space from Body, Bottom, LTE Band 41 Ch. 41490, Ant Internal**

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

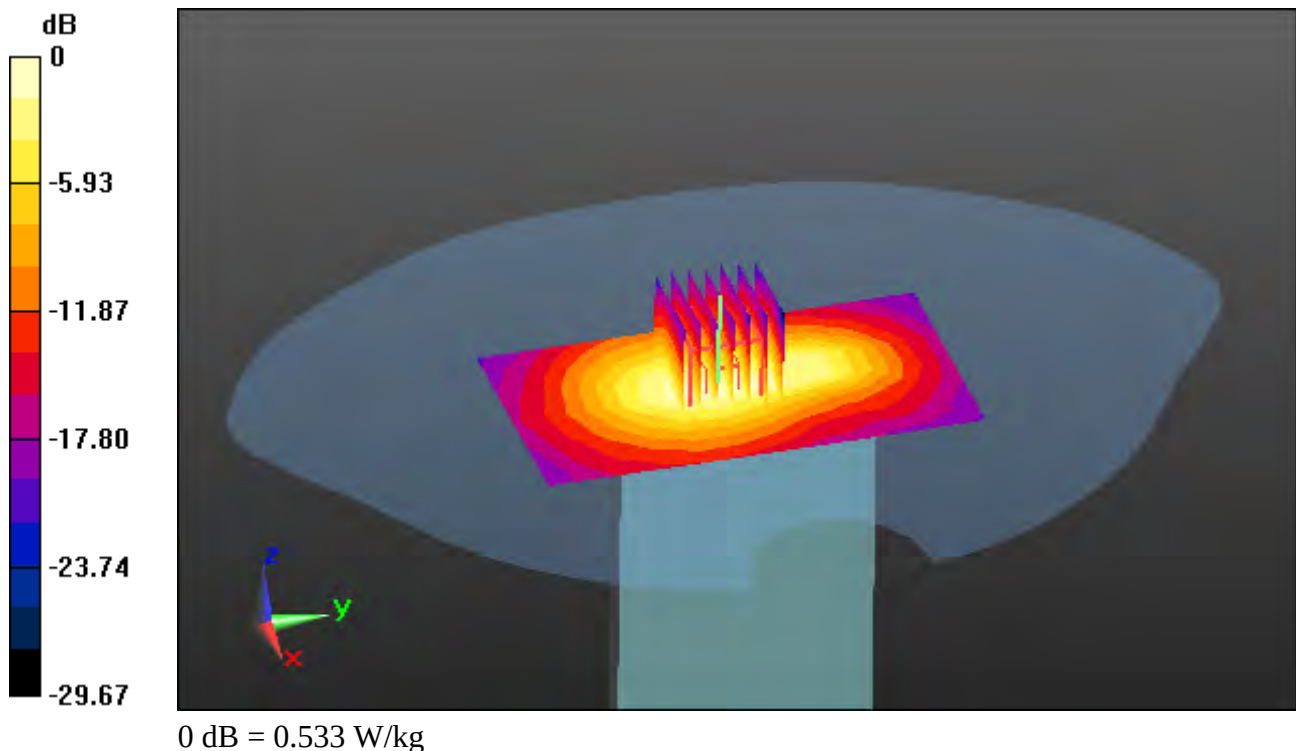
**Area Scan (7x12x1):** Measurement grid: dx=12mm, dy=12mm

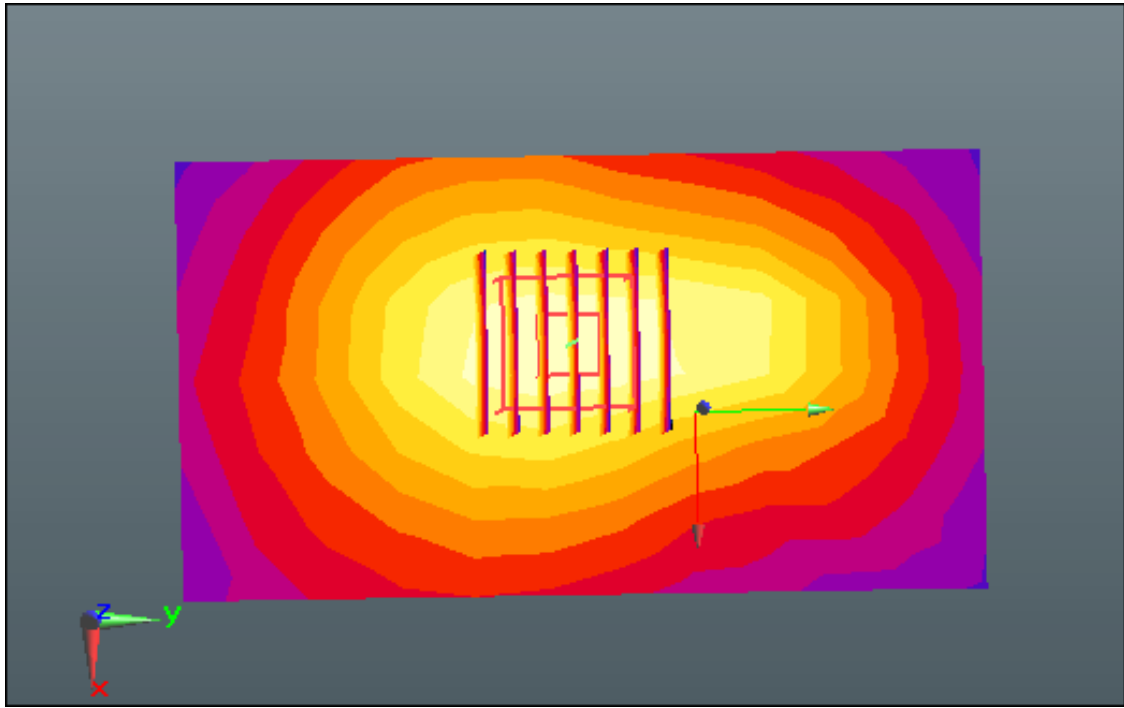
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.714 W/kg

**SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.181 W/kg**





Enlarged Plot for A53

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.947 \text{ S/m}$ ;  $\epsilon_r = 51.775$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

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

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

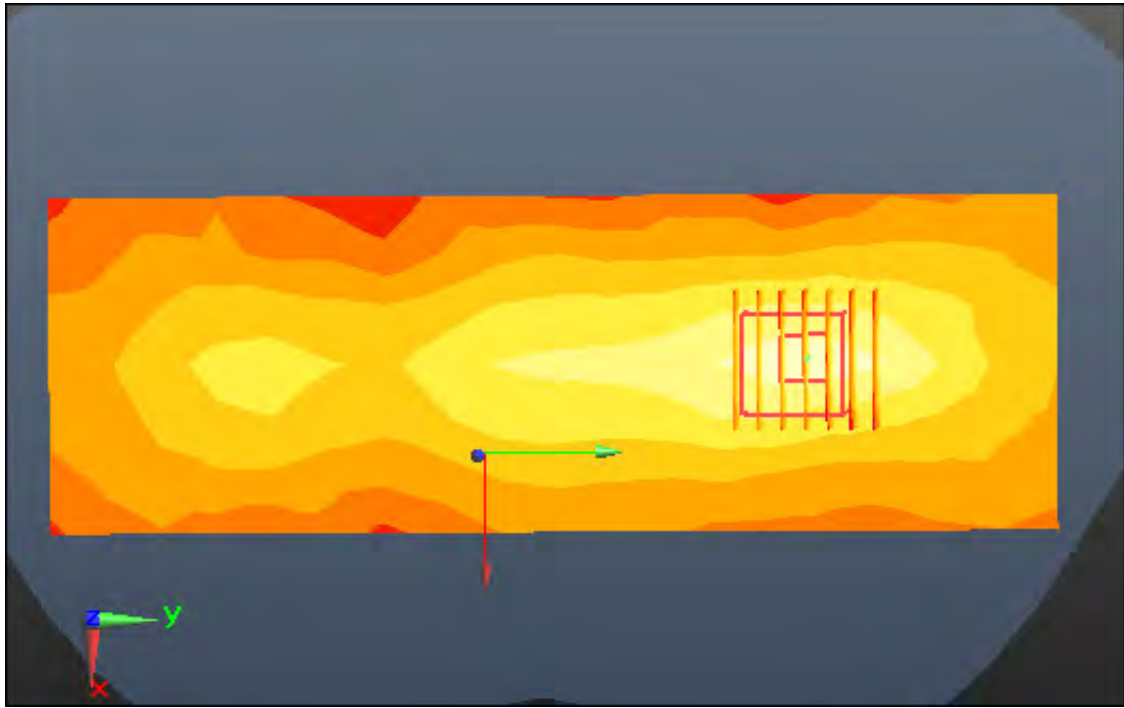
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.300 W/kg

**SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.069 W/kg**



0 dB = 0.273 W/kg



Enlarged Plot for A54

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.006 \text{ S/m}$ ;  $\epsilon_r = 51.661$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

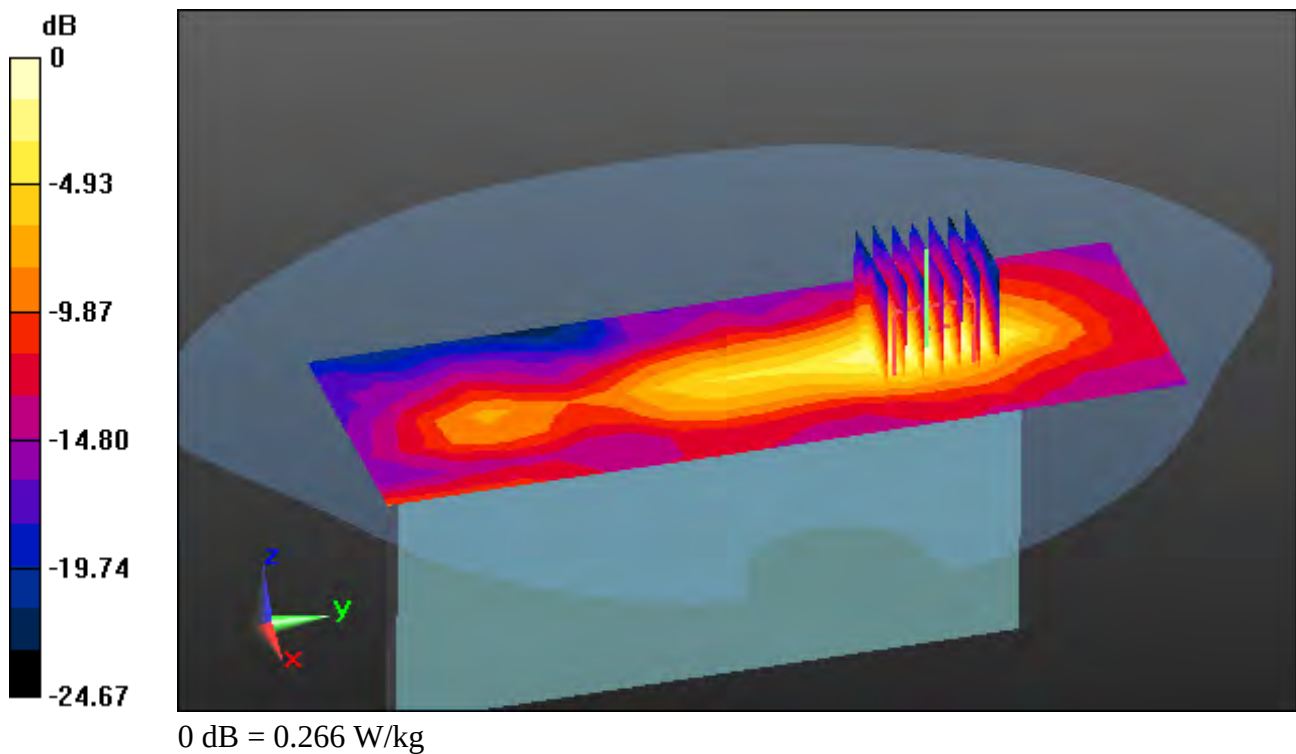
**Area Scan (7x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

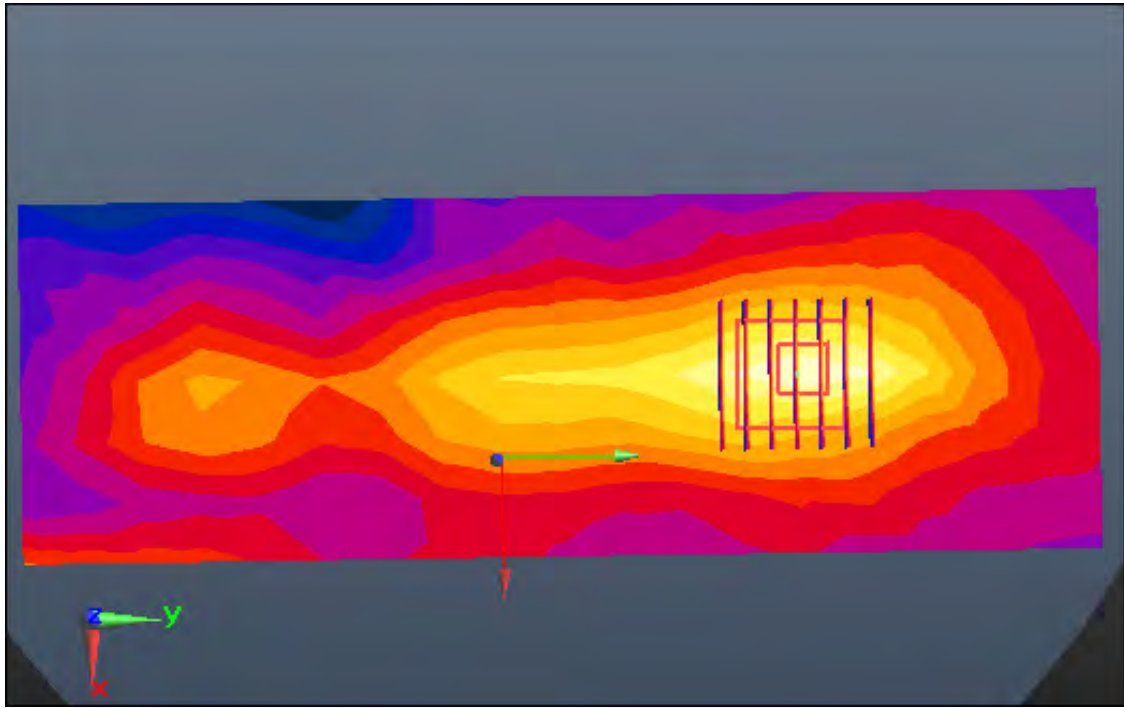
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.358 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.078 W/kg**





Enlarged Plot for A55

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5200(40,44) (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.24$  S/m;  $\epsilon_r = 49.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 40, Ant Internal, Ant.1**

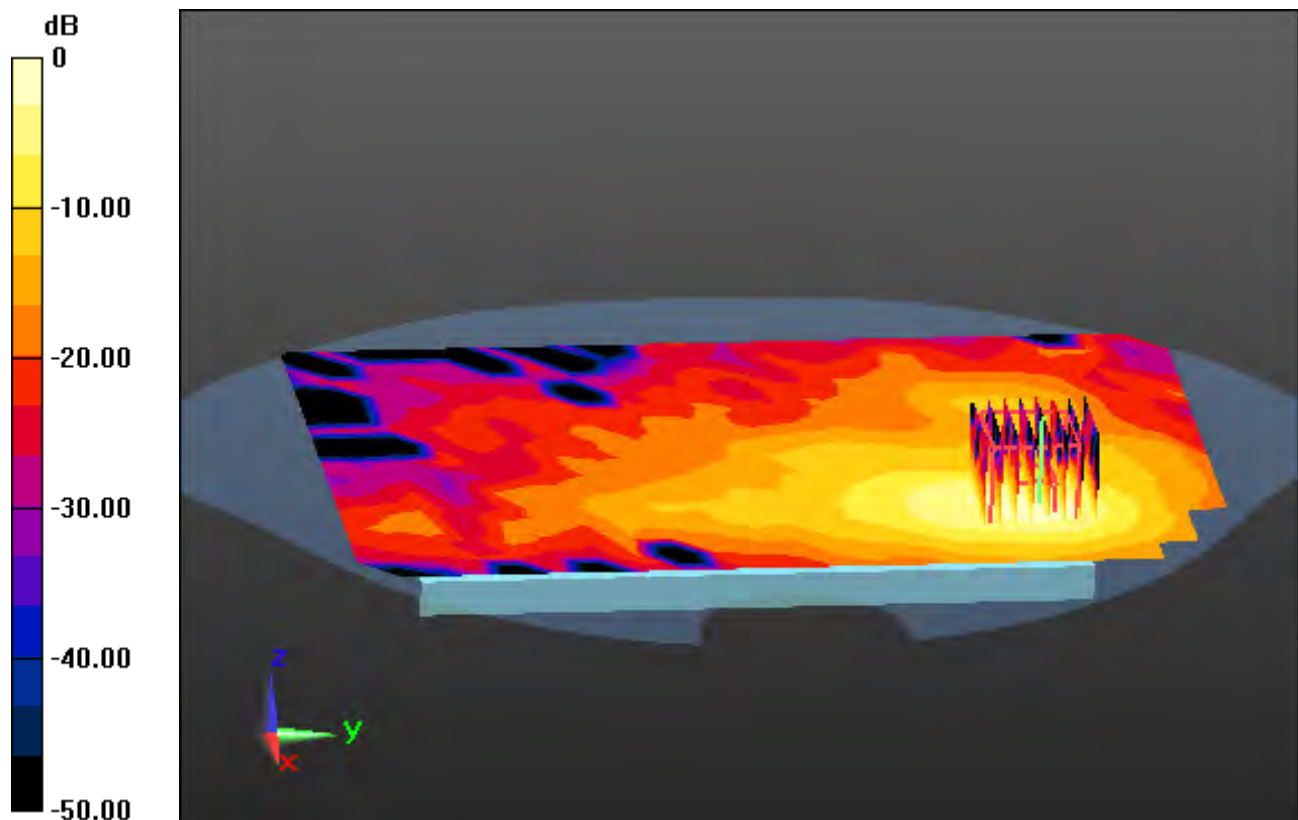
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

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

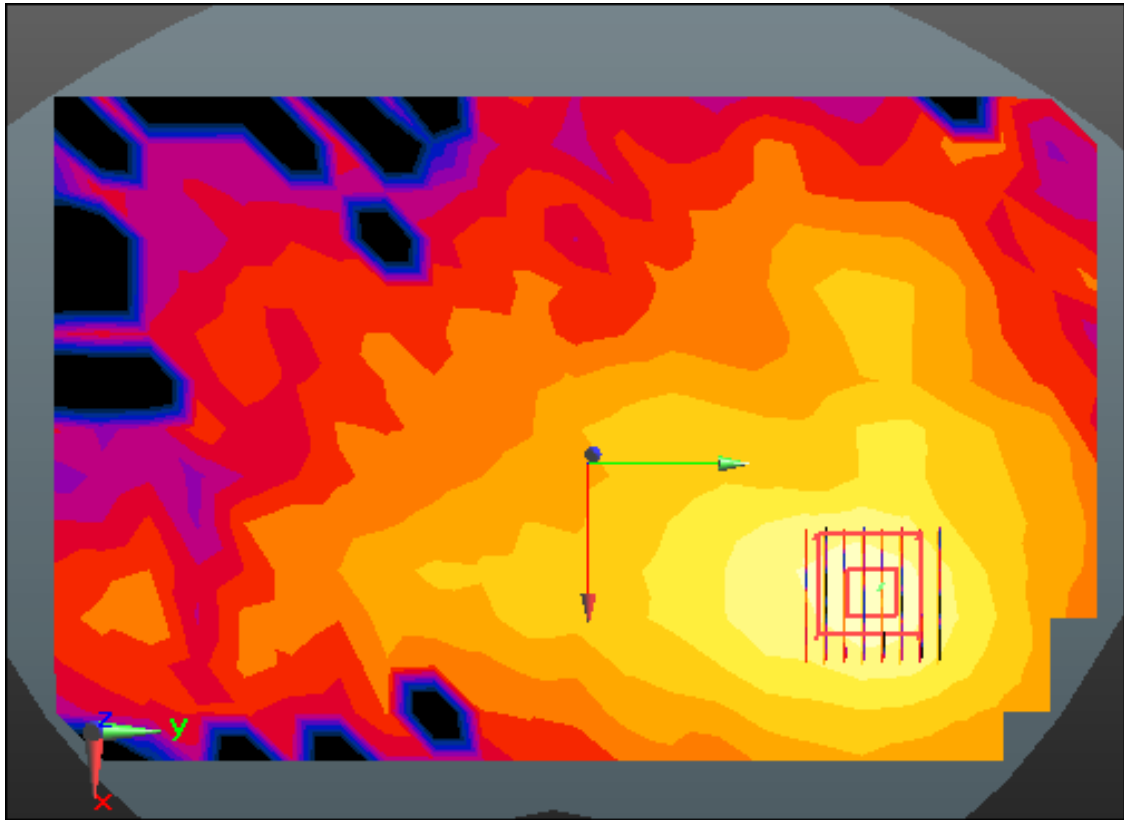
Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.889 W/kg

**SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.091 W/kg**



0 dB = 0.577 W/kg



Enlarged Plot for A56

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5200(40,44) (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.24$  S/m;  $\epsilon_r = 49.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 40, Ant Internal, Ant.2**

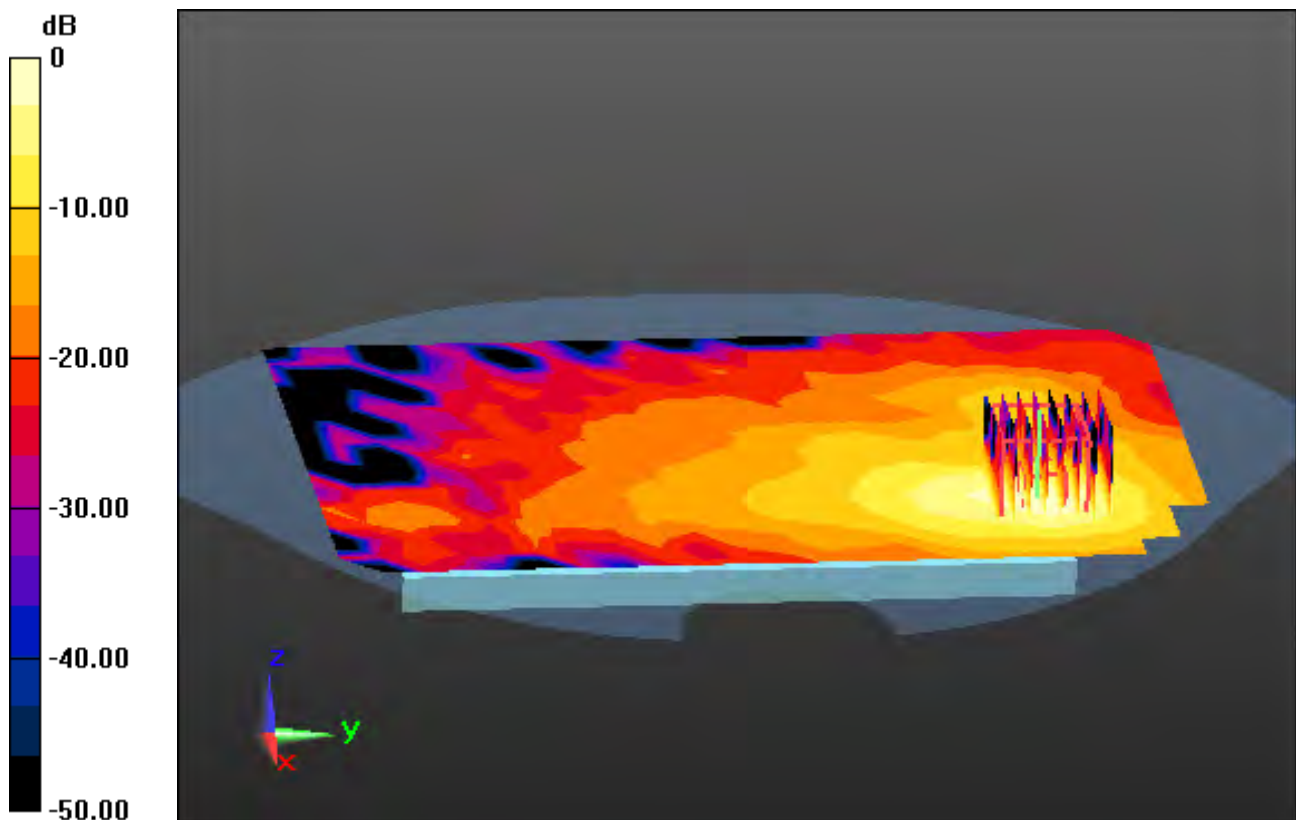
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

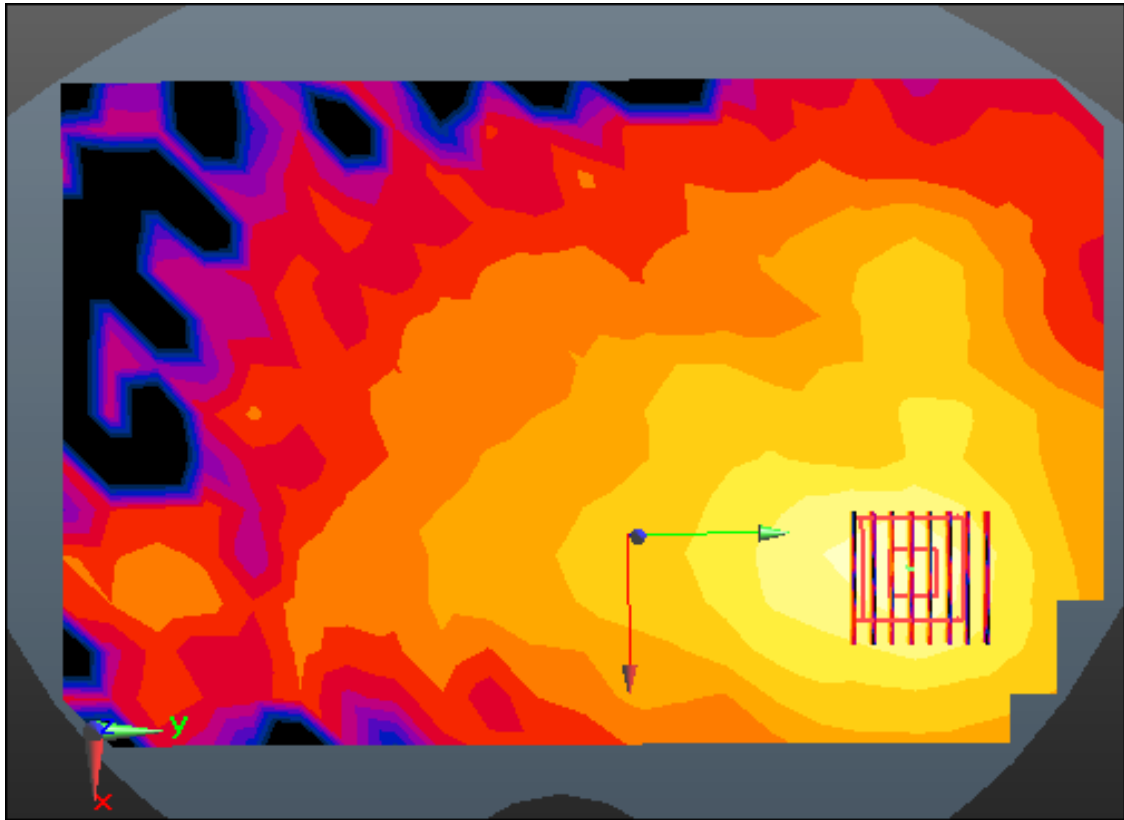
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.877 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.086 W/kg**





Enlarged Plot for A57

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5200(40,44) (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.24$  S/m;  $\epsilon_r = 49.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 40, Ant Internal, MIMO**

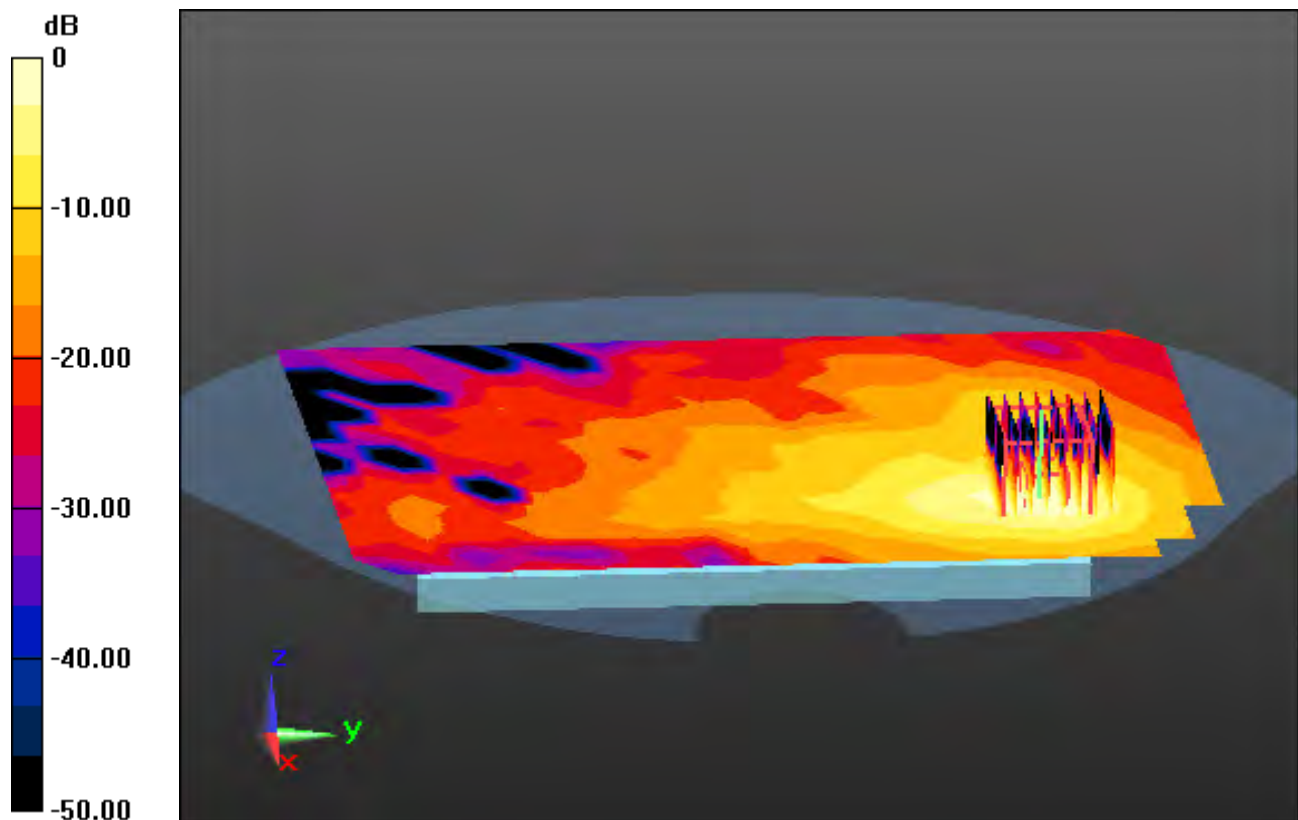
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

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

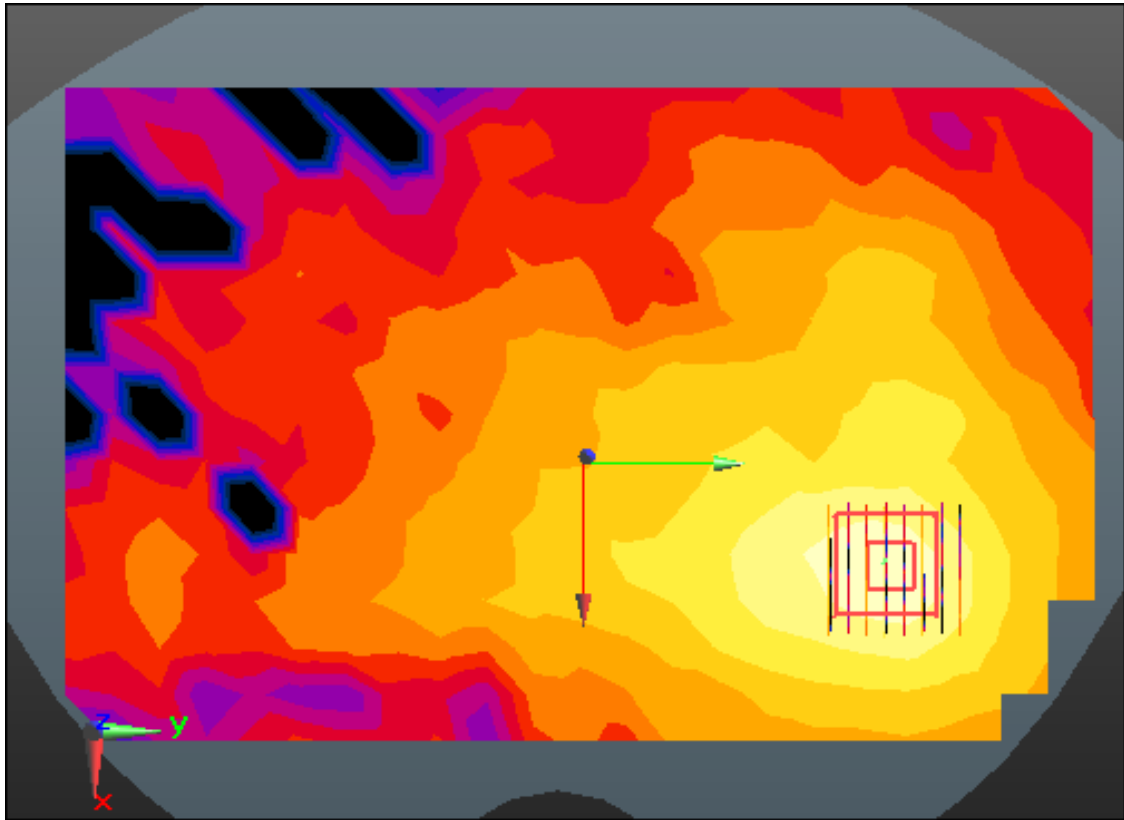
Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.957 W/kg

**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.098 W/kg**



0 dB = 0.610 W/kg



Enlarged Plot for A58

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.107 \text{ S/m}$ ;  $\epsilon_r = 48.463$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

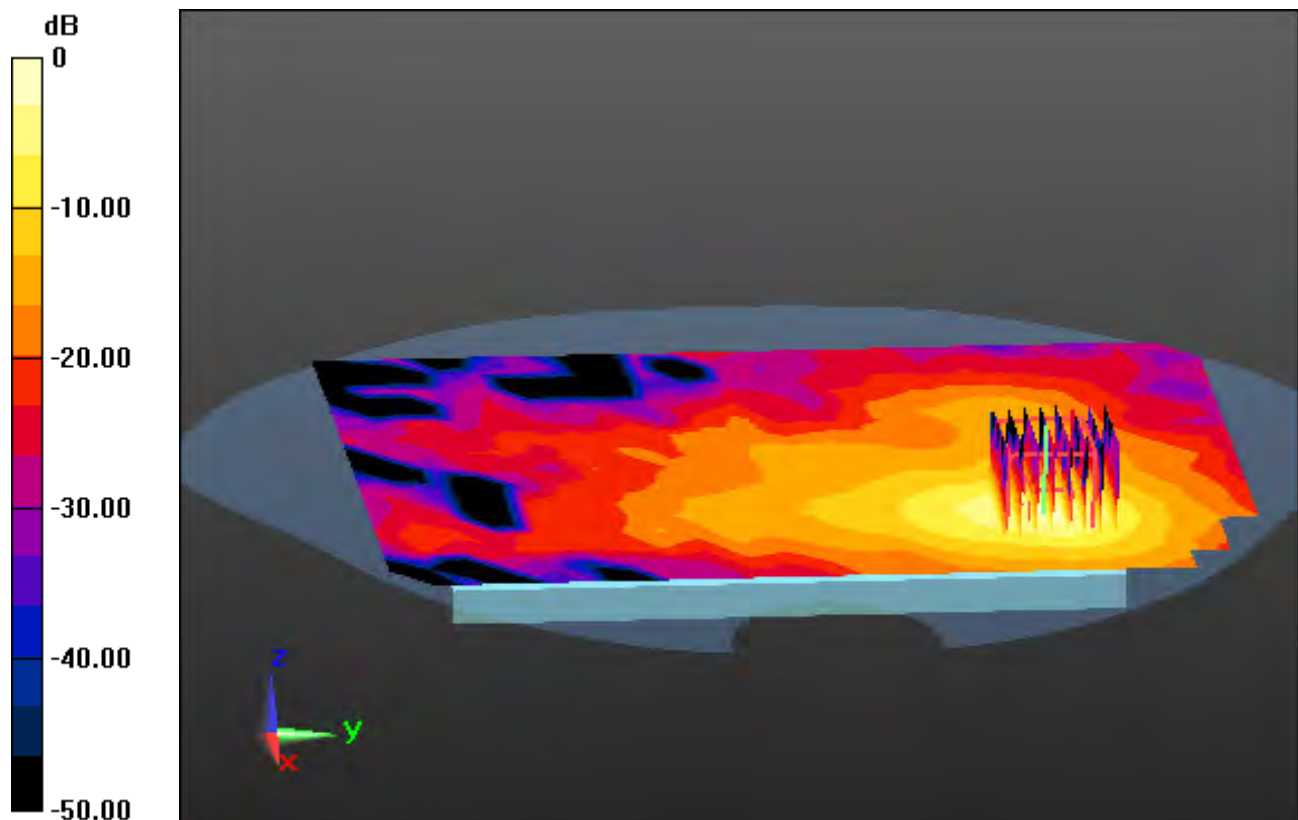
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

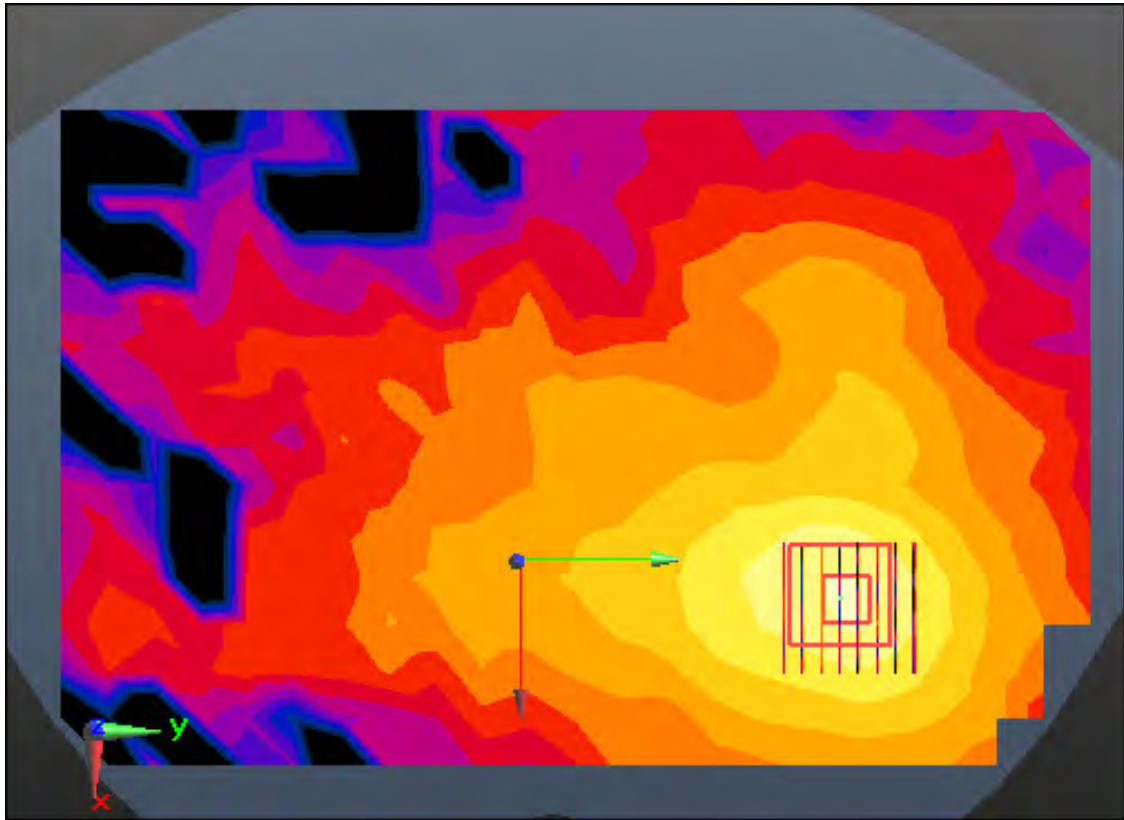
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.264 W/kg

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.018 W/kg**



0 dB = 0.145 W/kg



Enlarged Plot for A59

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 6.169 \text{ S/m}$ ;  $\epsilon_r = 48.341$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

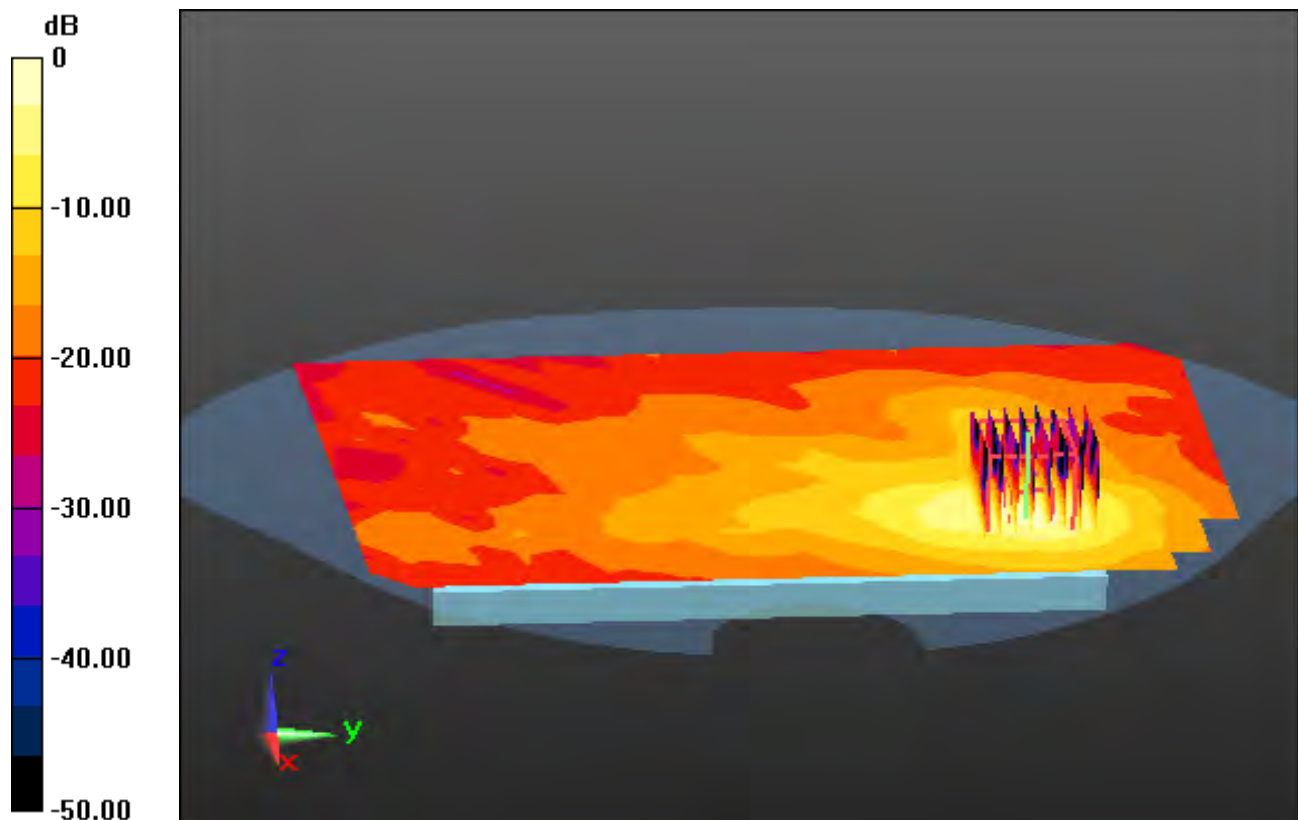
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

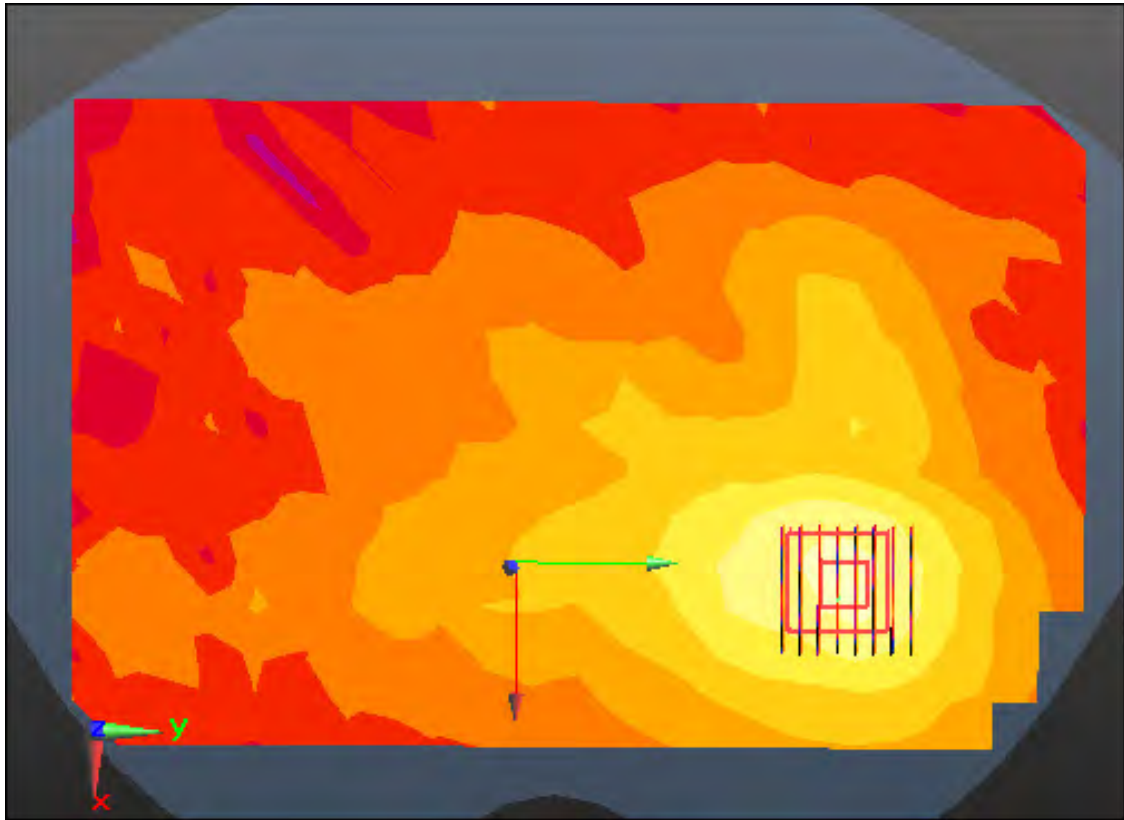
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.196 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.014 W/kg**





Enlarged Plot for A60

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 6.169 \text{ S/m}$ ;  $\epsilon_r = 48.341$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

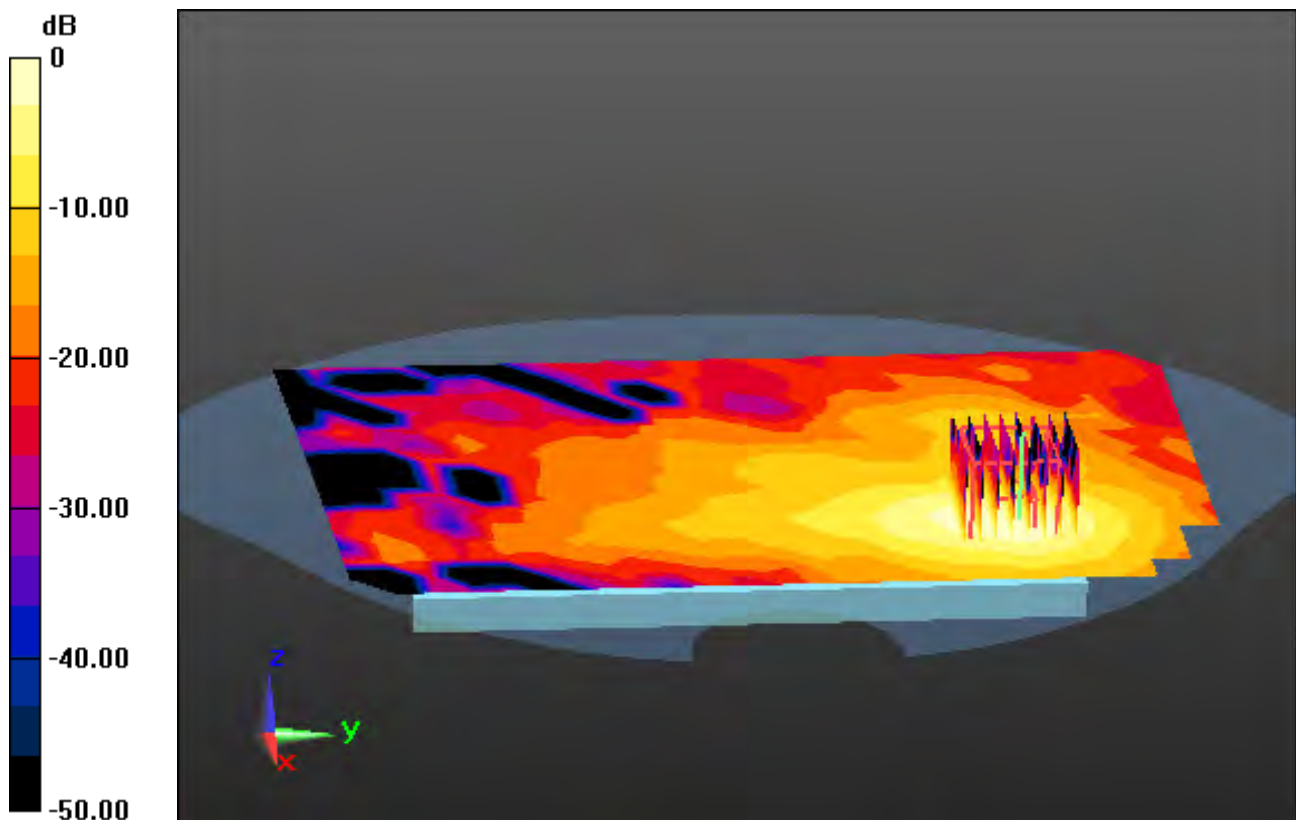
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

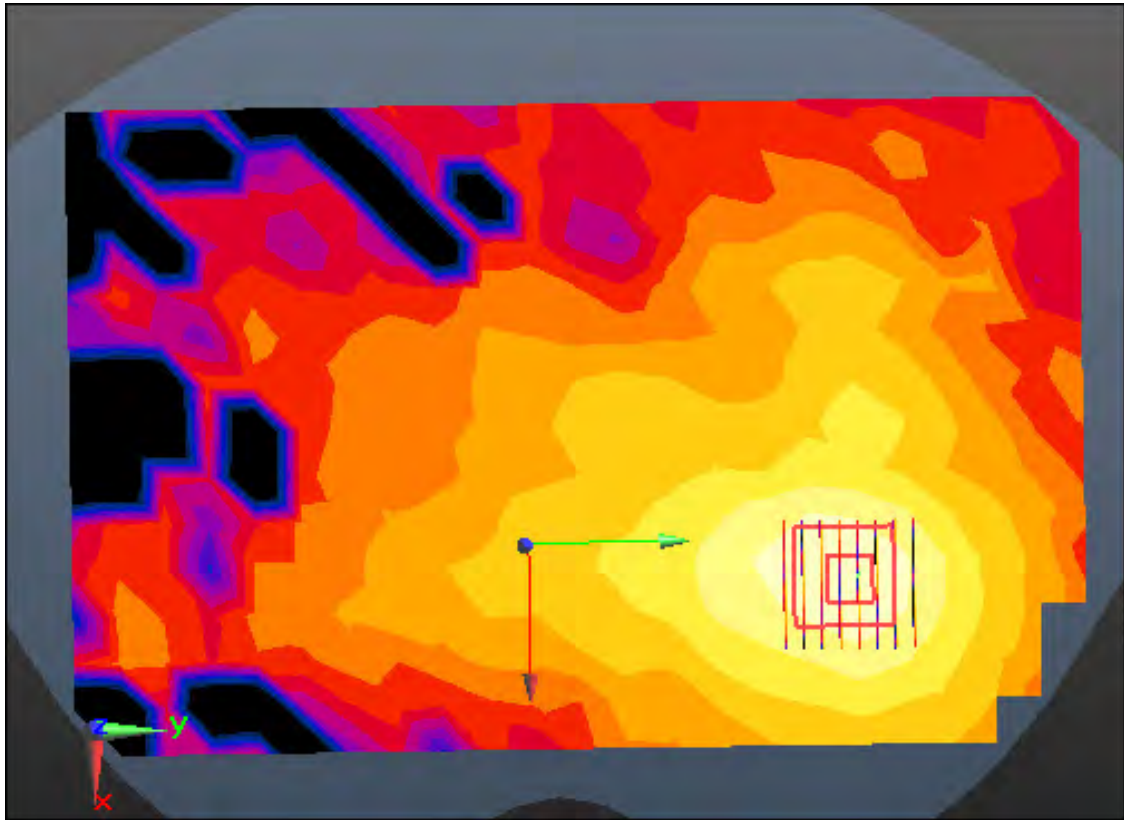
Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.461 W/kg

**SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.032 W/kg**



0 dB = 0.275 W/kg



Enlarged Plot for A61

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.981 \text{ S/m}$ ;  $\epsilon_r = 51.705$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

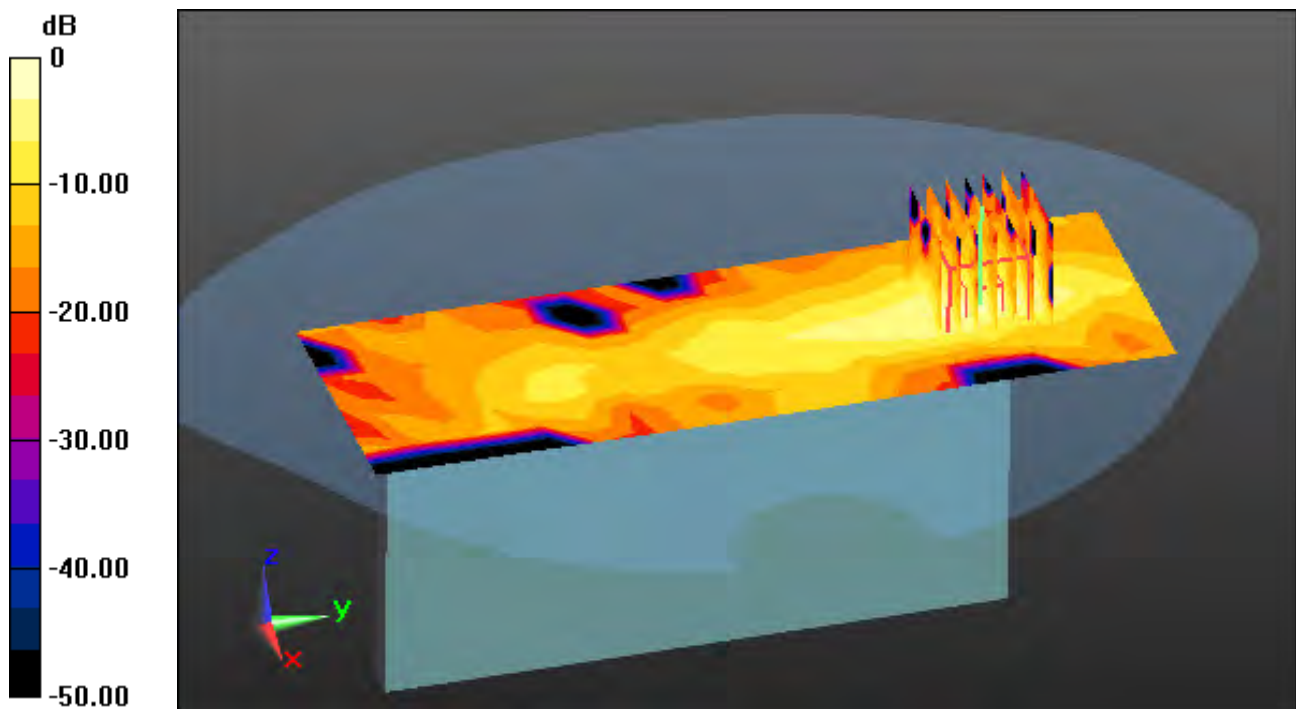
**Area Scan (7x19x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

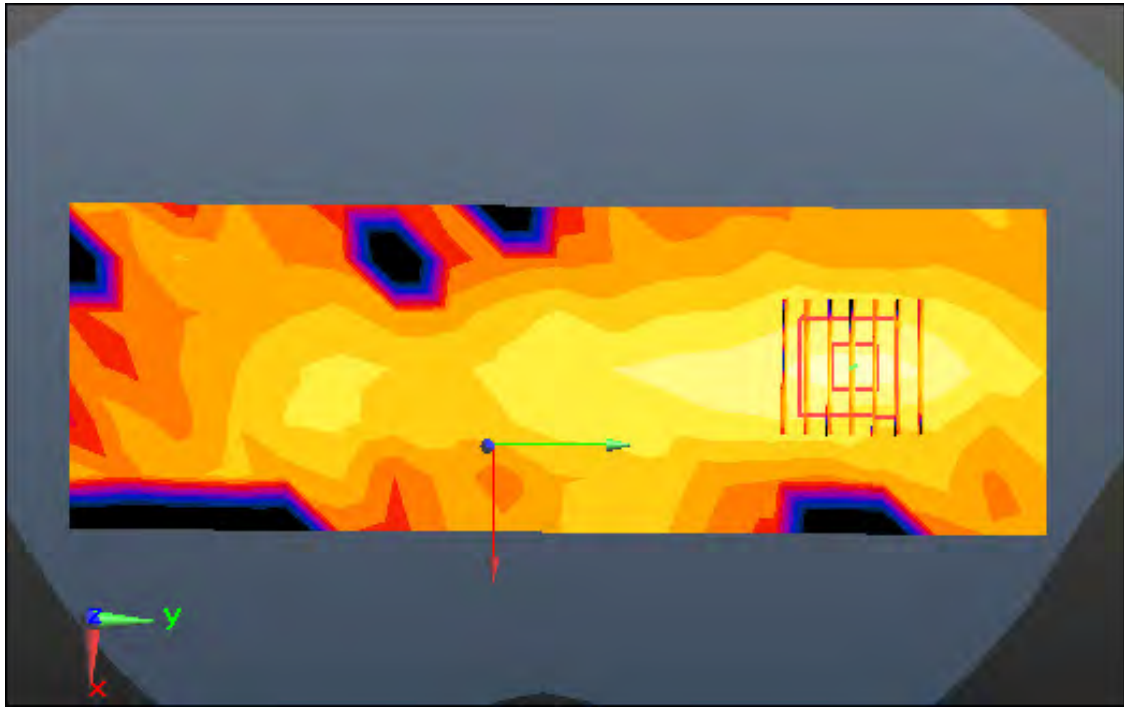
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0640 W/kg

**SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.012 W/kg**



0 dB = 0.0580 W/kg



Enlarged Plot for A62

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.362 \text{ S/m}$ ;  $\epsilon_r = 49.201$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**Touch from Body, Rear, WLAN(802.11a) Ch. 64, Ant Internal, Ant.1**

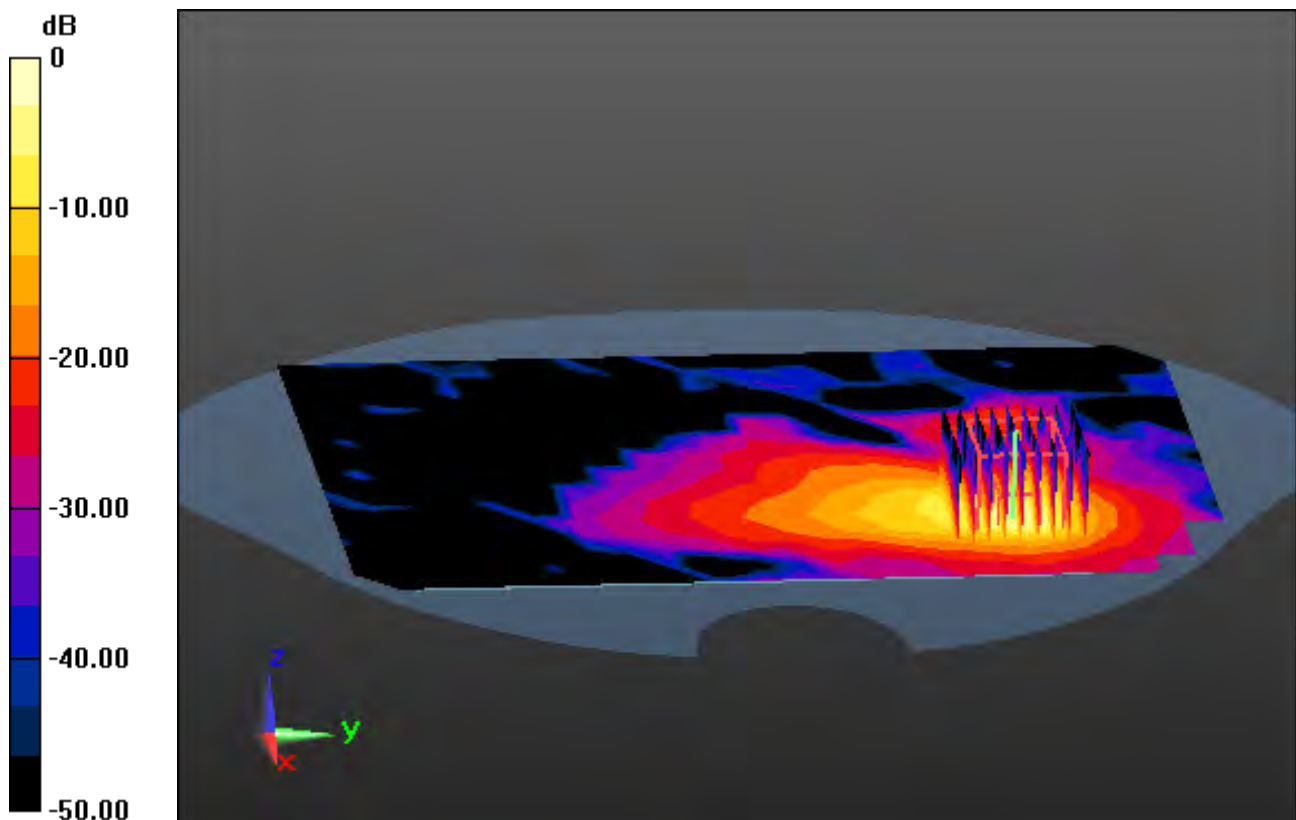
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

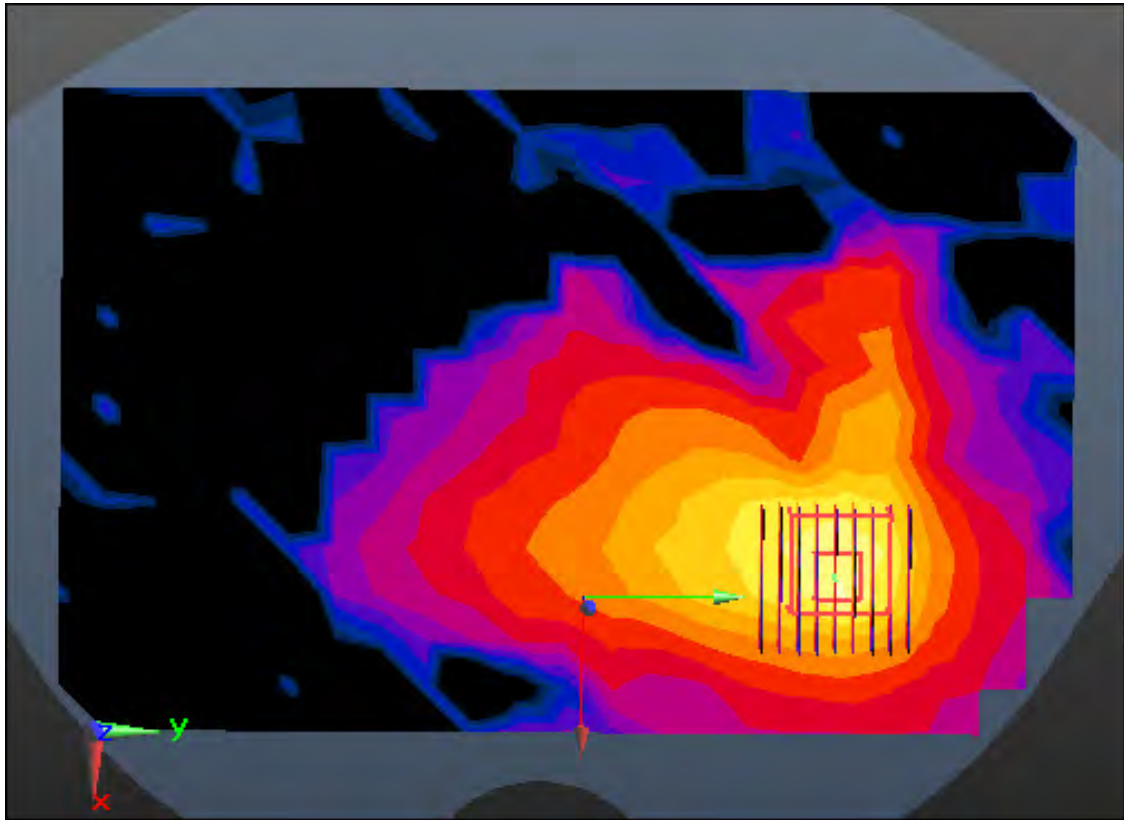
Power Drift = -0.18 dB

Peak SAR (extrapolated) =  $13.4 \text{ W/kg}$

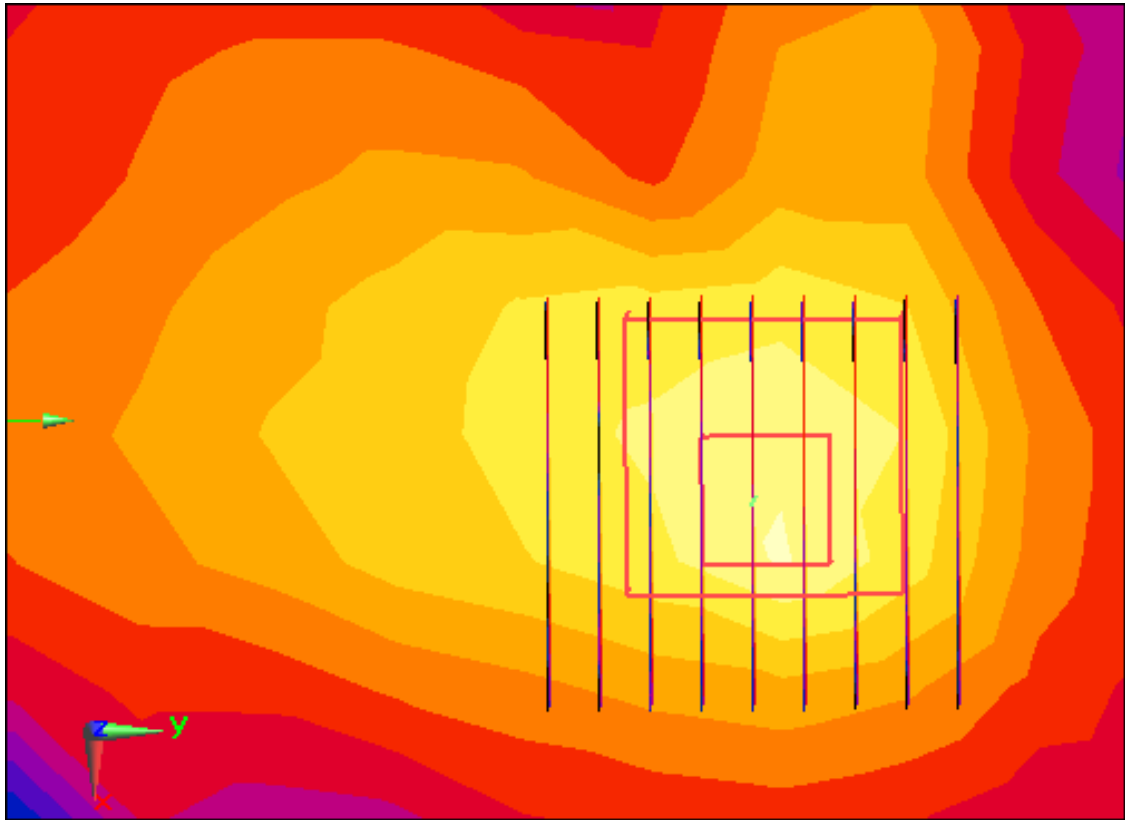
**SAR(1 g) =  $2.31 \text{ W/kg}$ ; SAR(10 g) =  $0.618 \text{ W/kg}$**



0 dB =  $7.26 \text{ W/kg}$



Enlarged Plot for A63



Enlarged Plot for A63

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 5.3 \text{ S/m}$ ;  $\epsilon_r = 49.232$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**Touch from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, Ant.2**

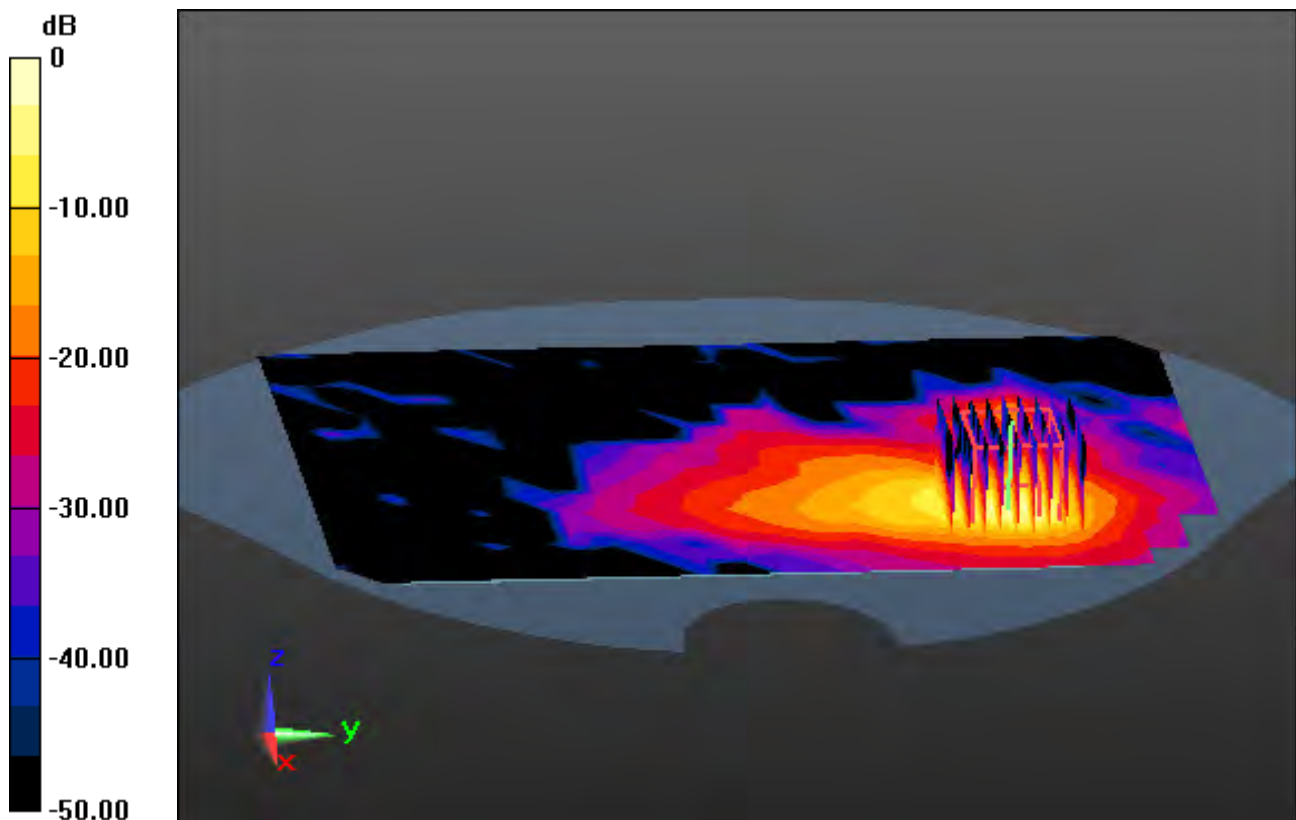
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

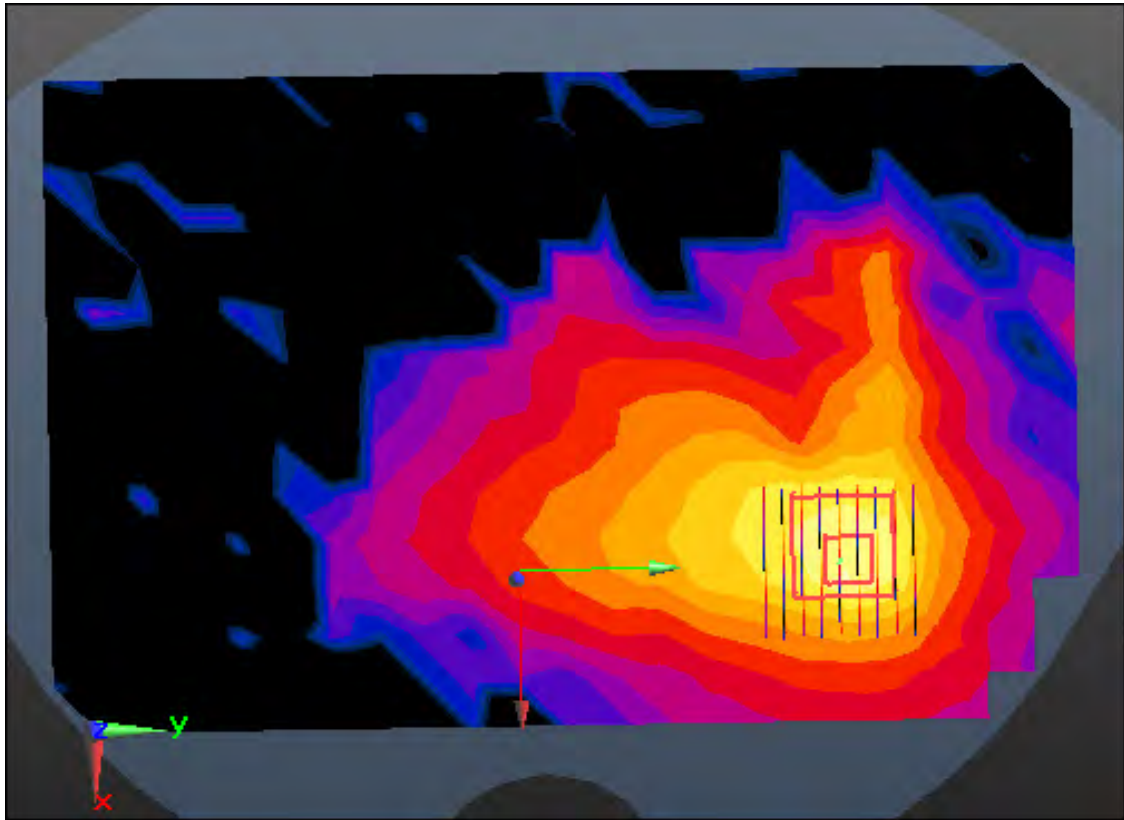
**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = 0.09 dB

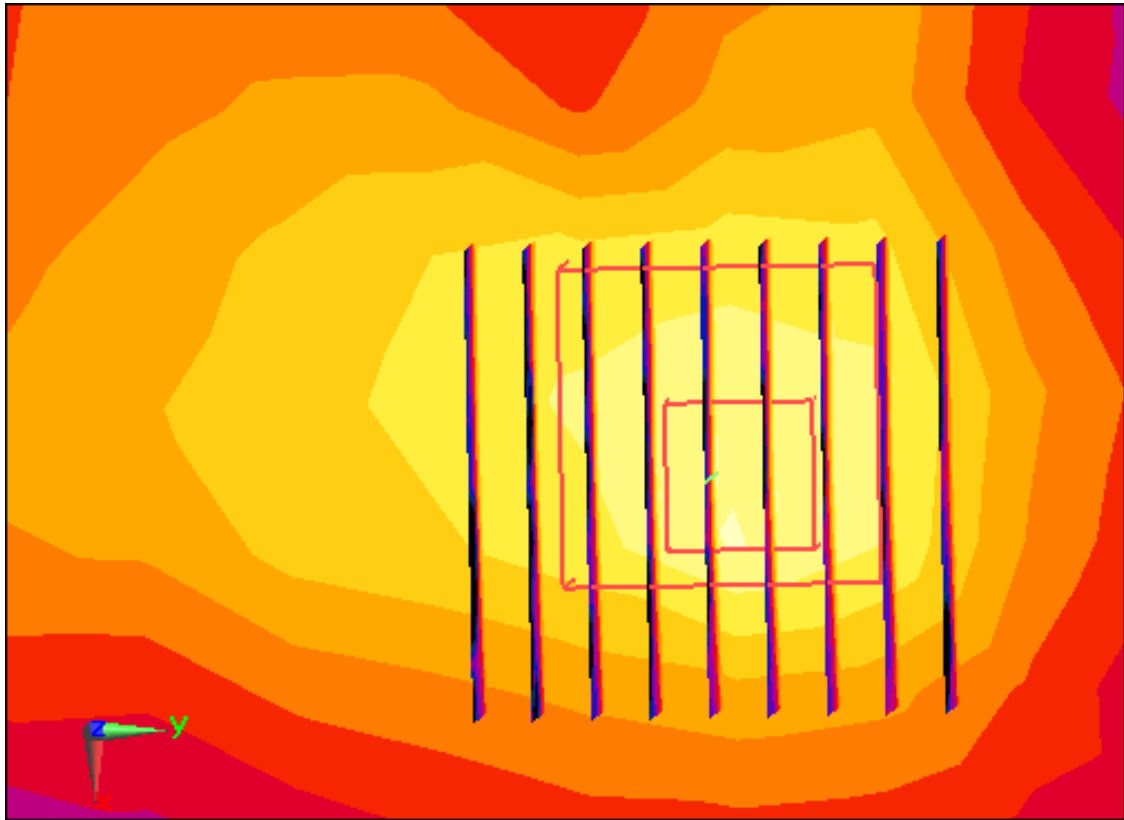
Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 2.21 W/kg; SAR(10 g) = 0.589 W/kg**





Enlarged Plot for A64



Enlarged Plot for A64

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5300 (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.3$  S/m;  $\epsilon_r = 49.232$ ;  $\rho = 1000$  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: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**Touch from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, MIMO**

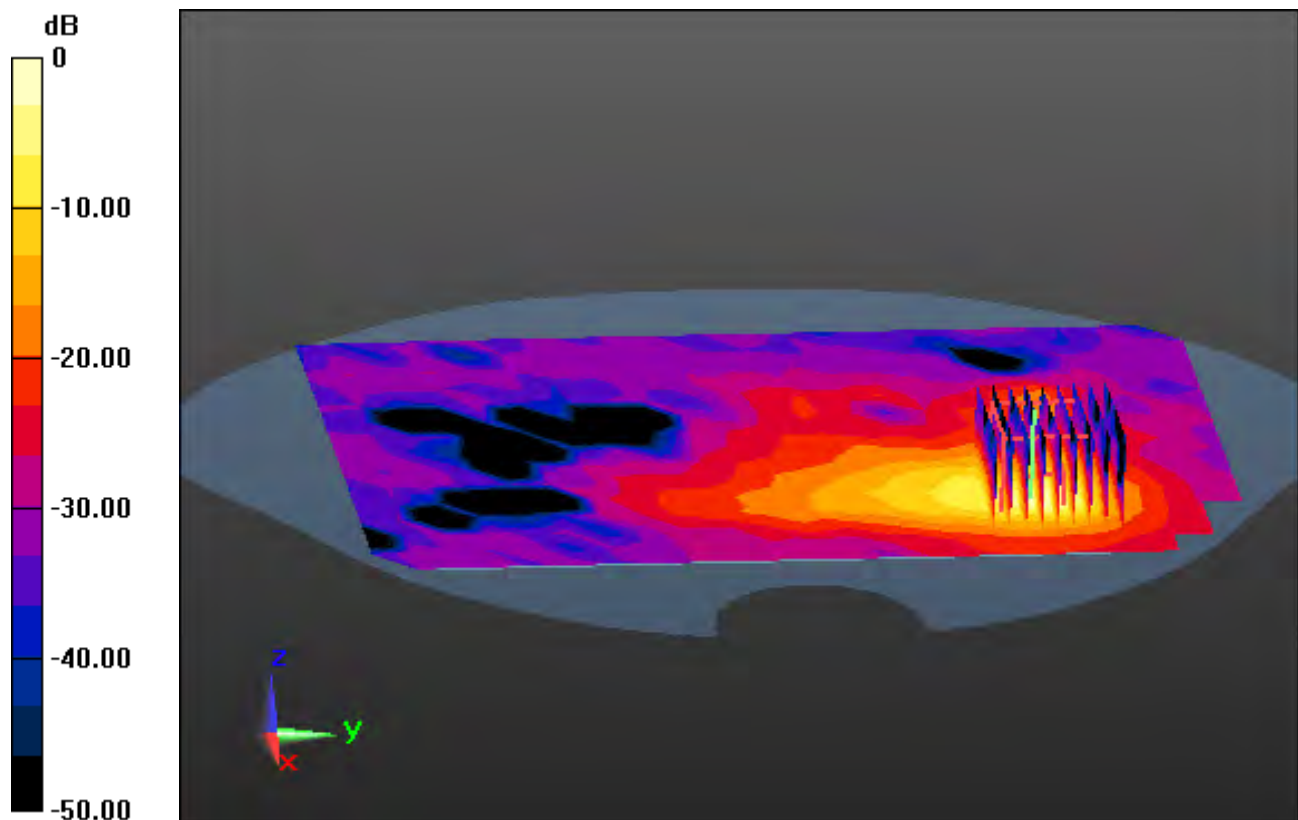
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

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

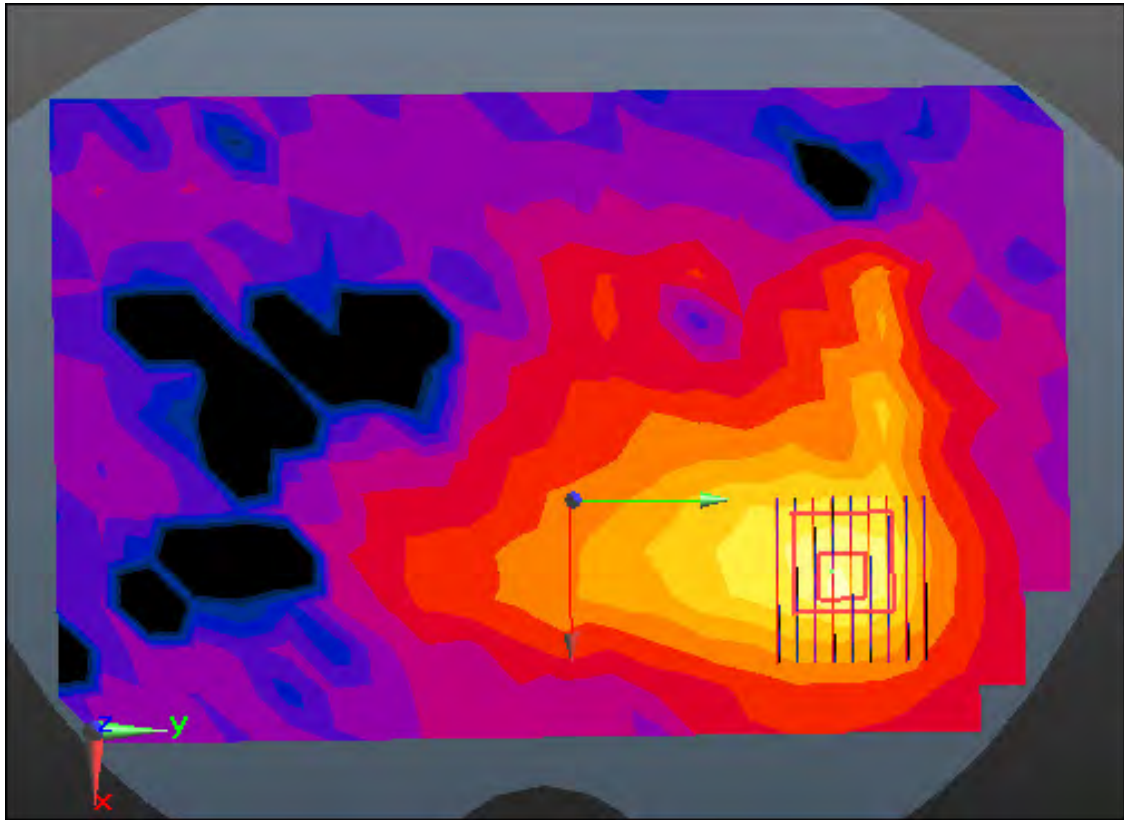
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 36.0 W/kg

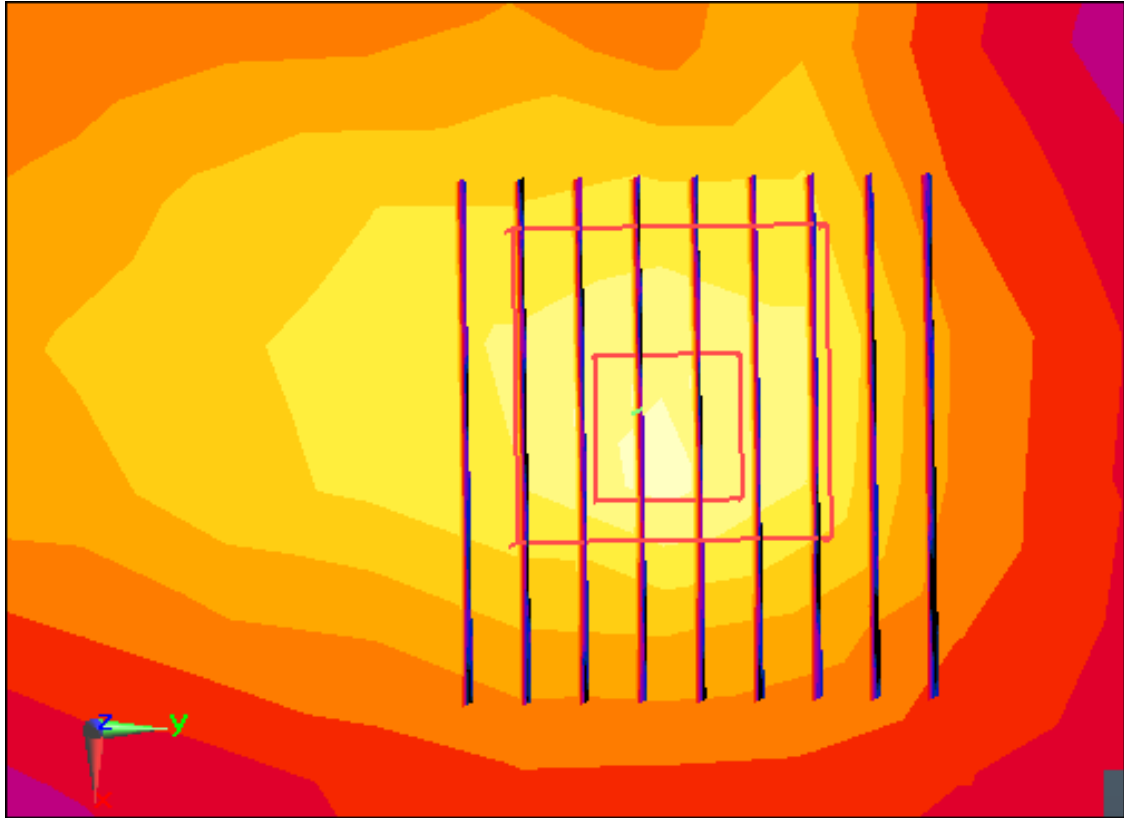
SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.13 W/kg



0 dB = 14.6 W/kg



Enlarged Plot for A65



Enlarged Plot for A65

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5500 (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.751$  S/m;  $\epsilon_r = 48.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

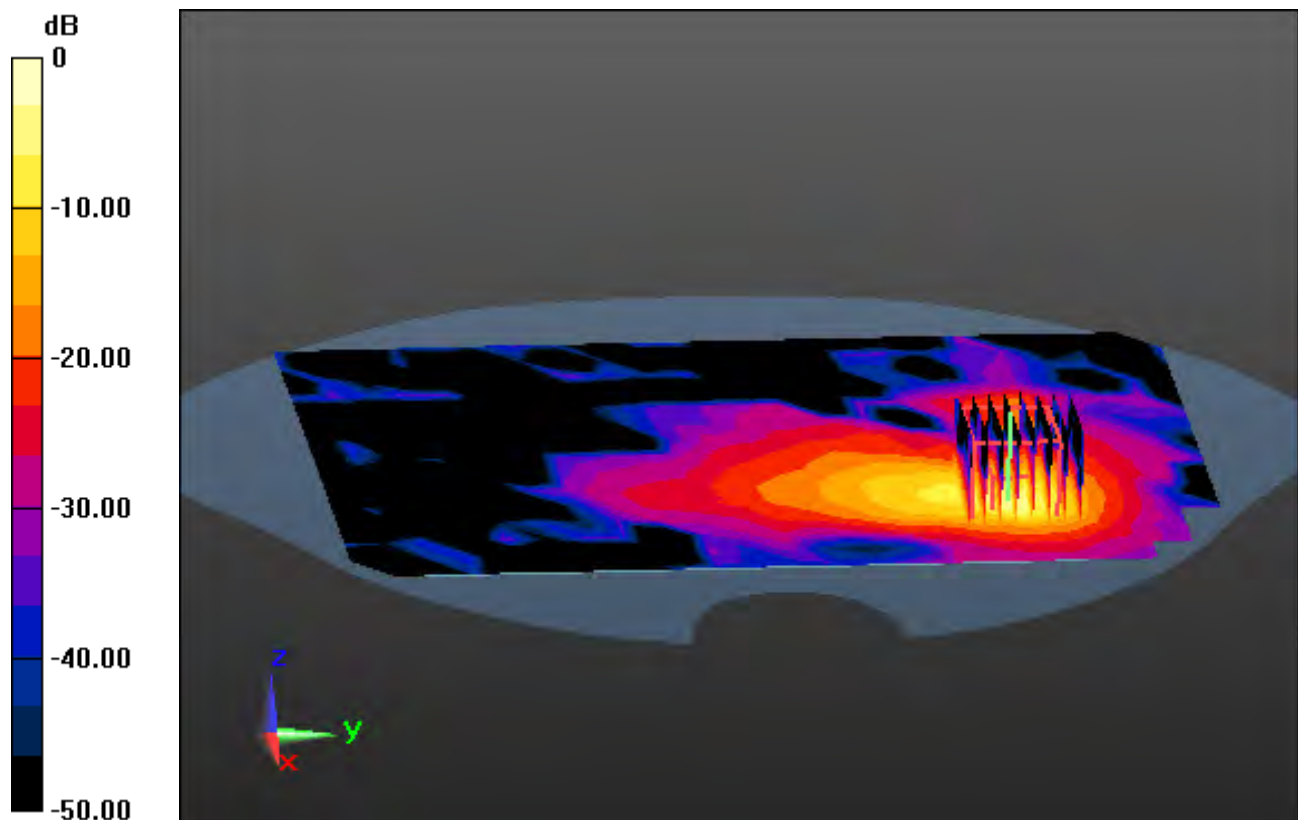
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

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

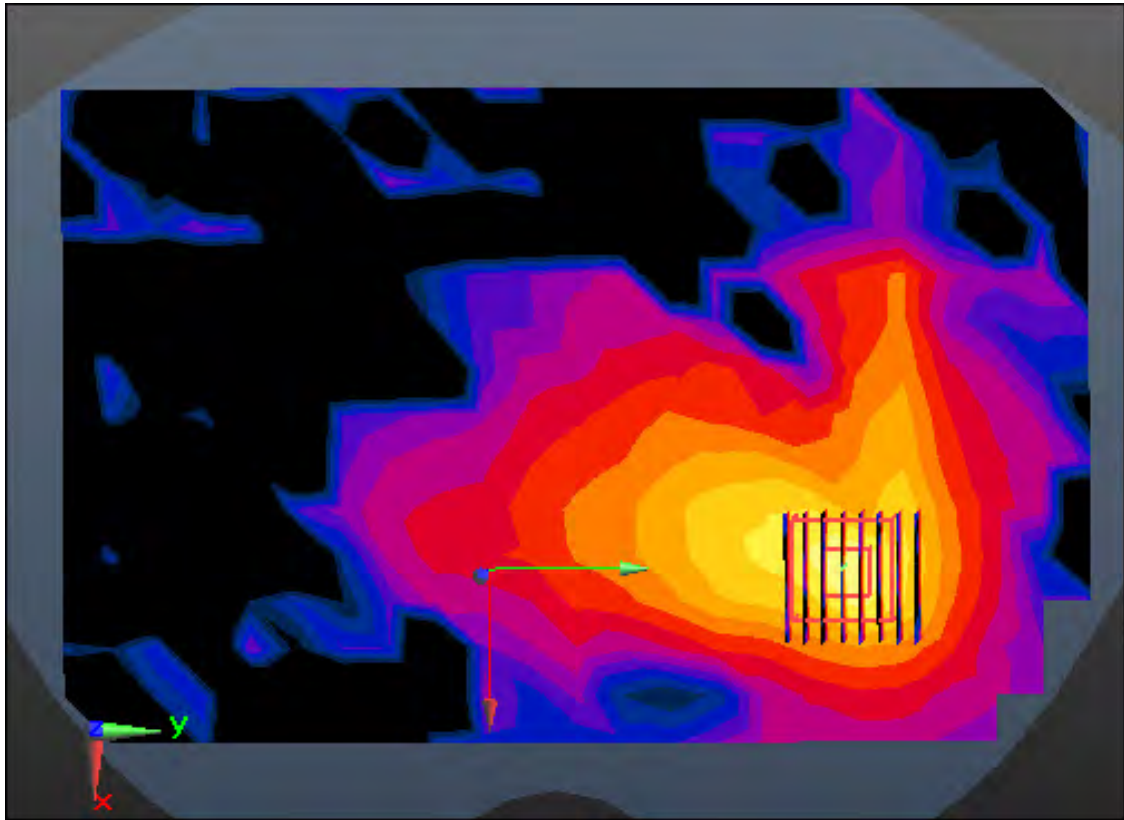
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 15.8 W/kg

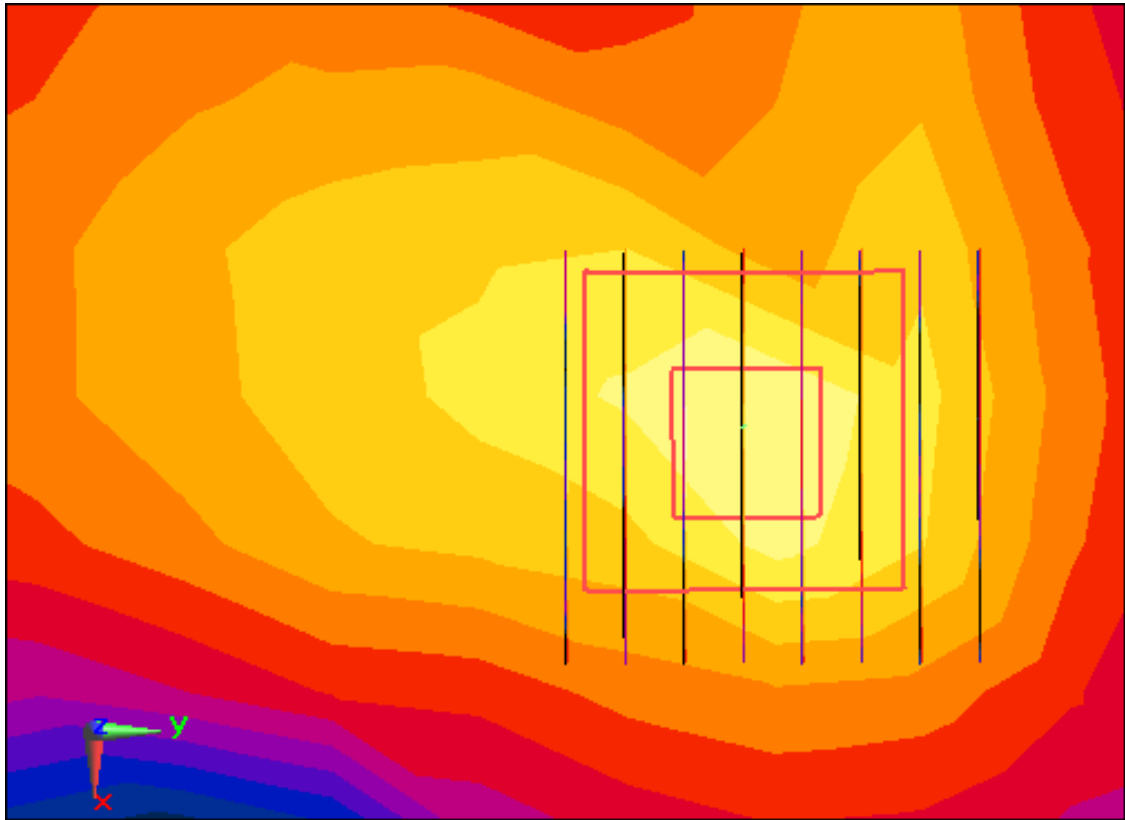
**SAR(1 g) = 2.17 W/kg; SAR(10 g) = 0.486 W/kg**



0 dB = 7.47 W/kg



Enlarged Plot for A66



Enlarged Plot for A66

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5600 (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5720$  MHz;  $\sigma = 6.062$  S/m;  $\epsilon_r = 48.288$ ;  $\rho = 1000$  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: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

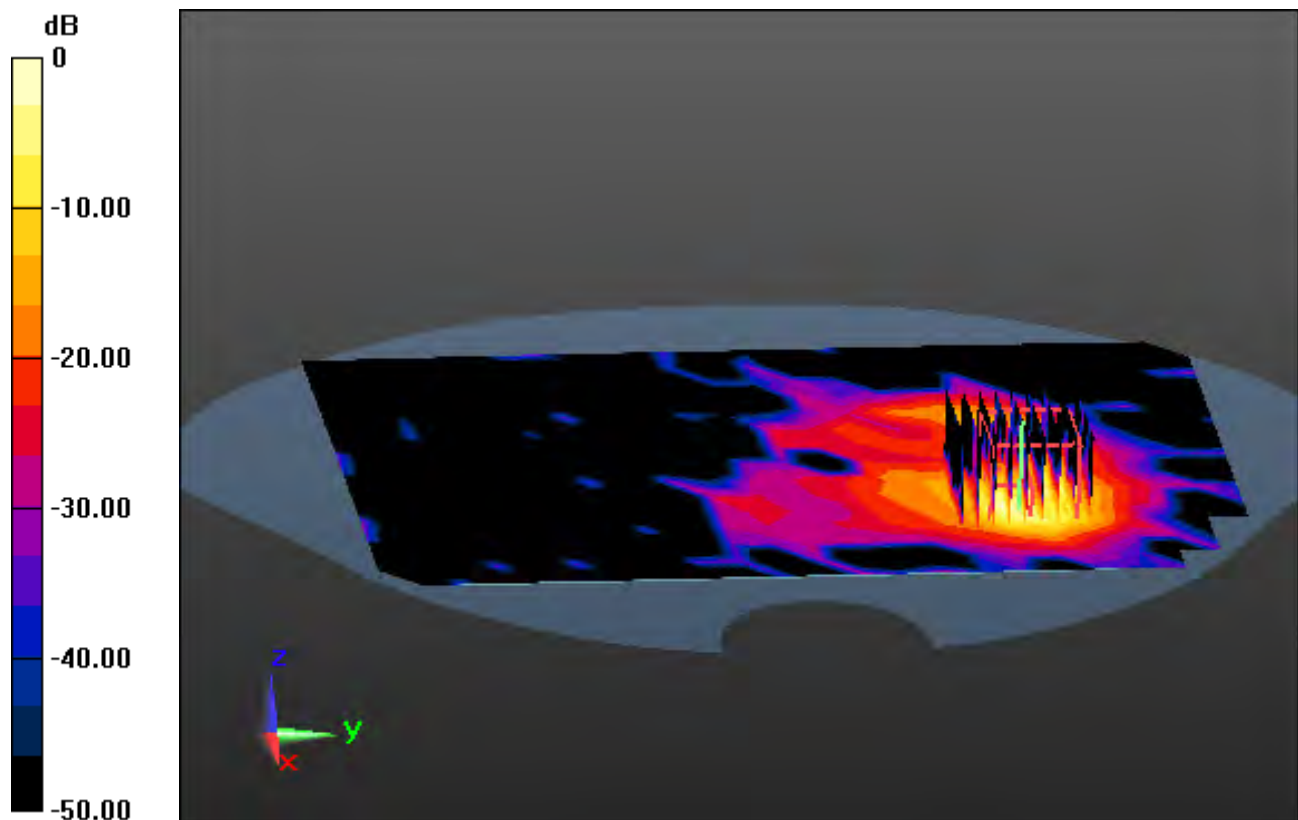
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

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

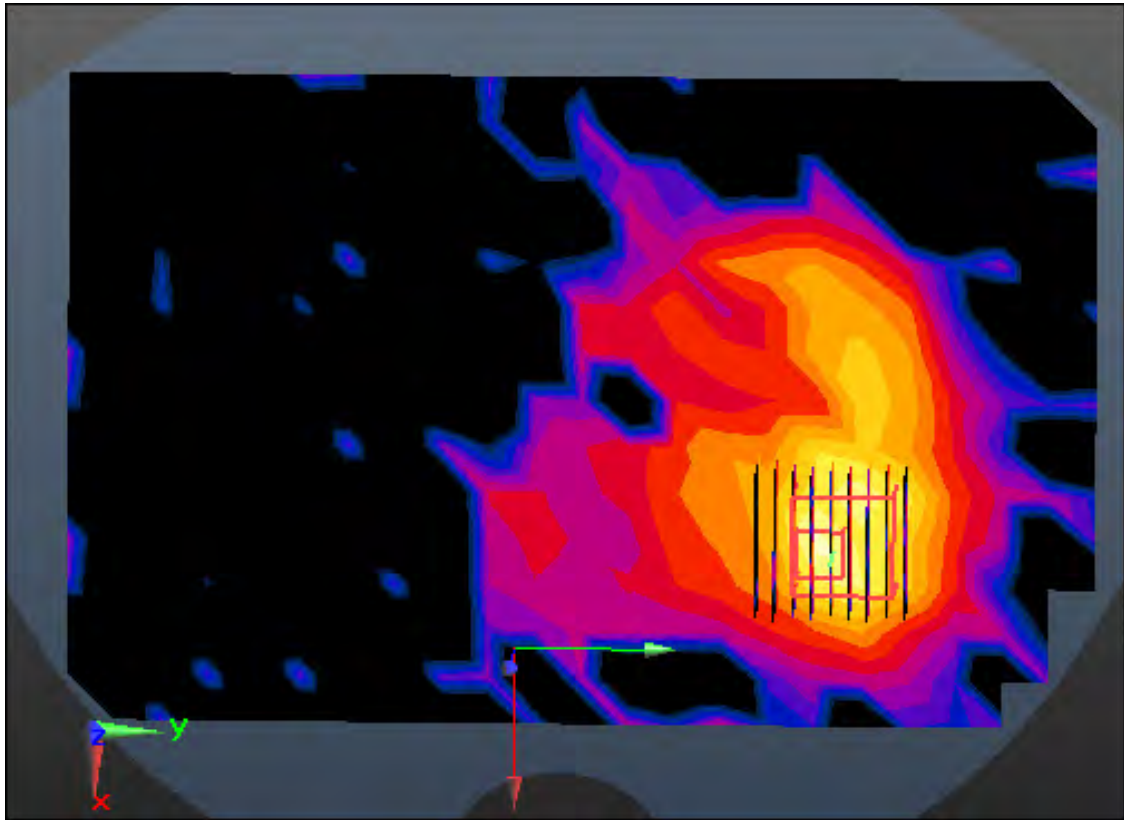
Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.45 W/kg

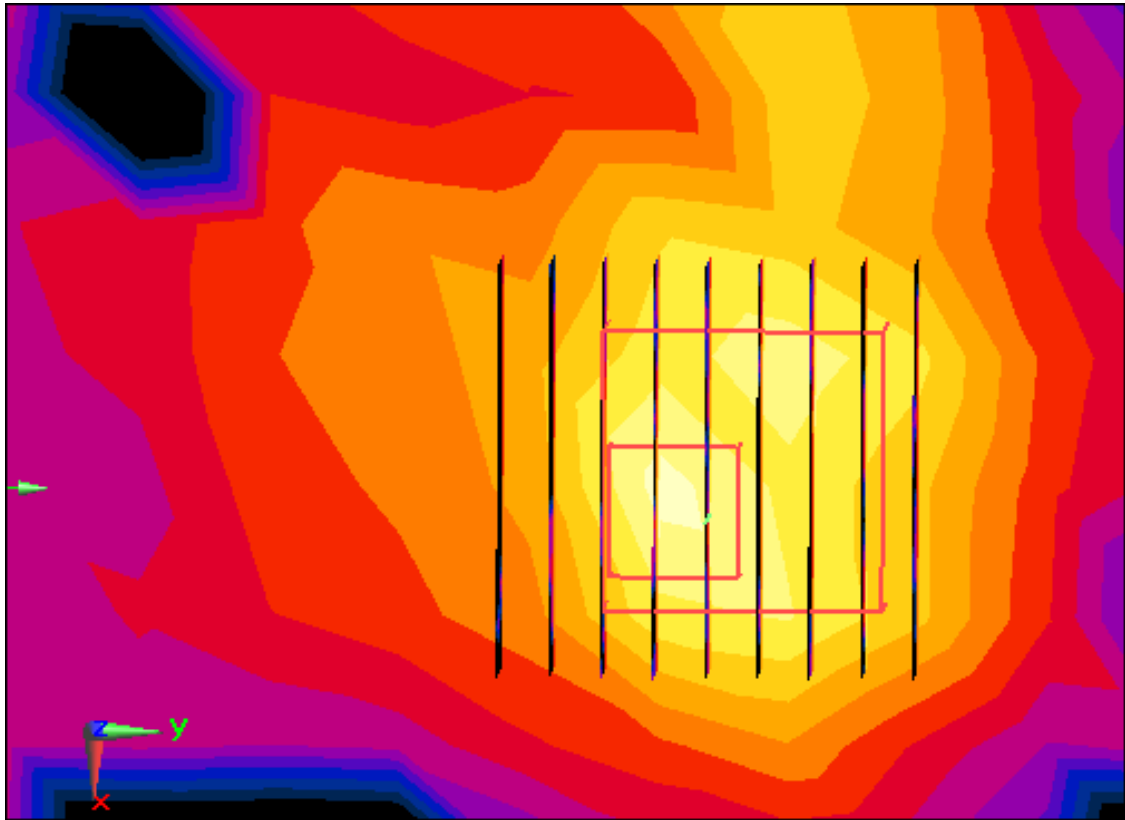
**SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.192 W/kg**



0 dB = 2.80 W/kg



Enlarged Plot for A67



Enlarged Plot for A67

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

Communication System: UID 0, W-LAN\_5500 (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.751$  S/m;  $\epsilon_r = 48.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

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

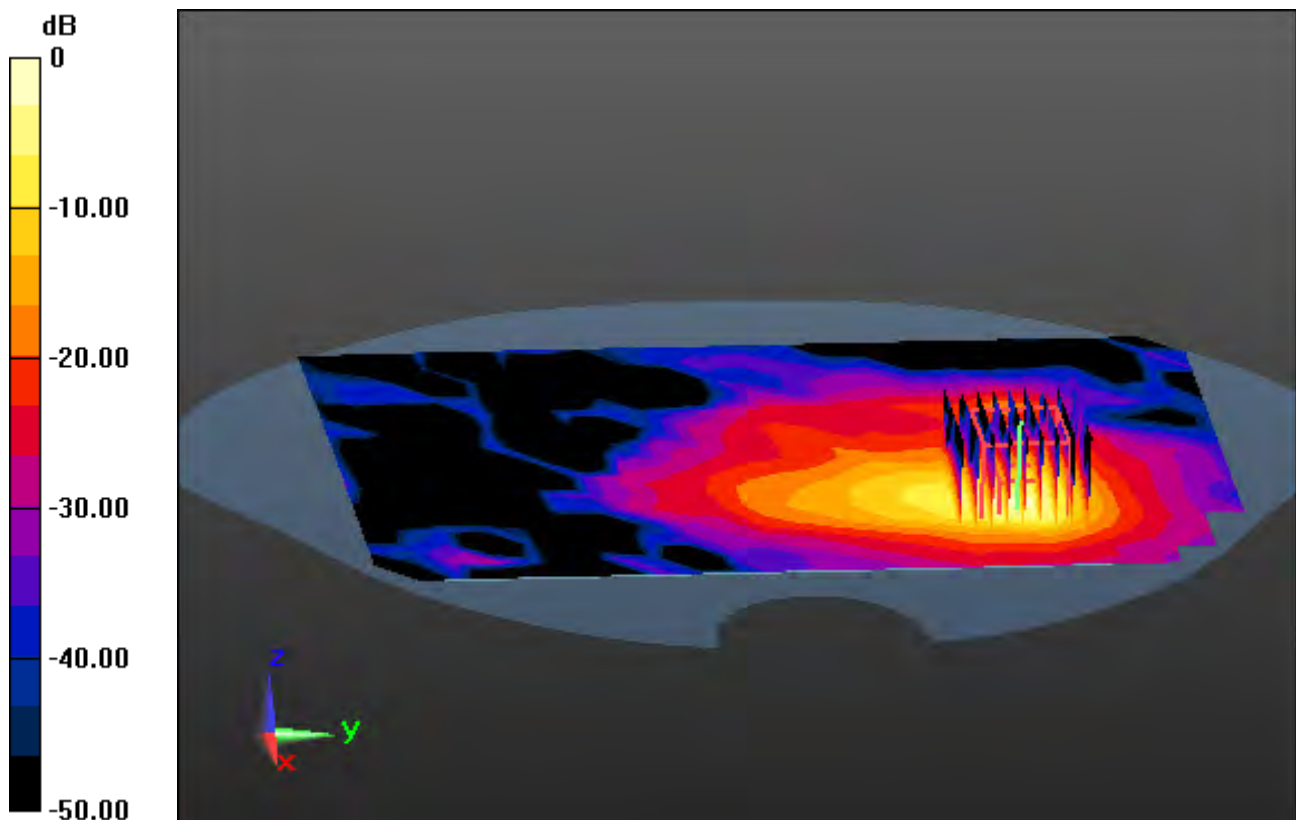
**Area Scan (15x23x1):** Measurement grid: dx=10mm, dy=10mm

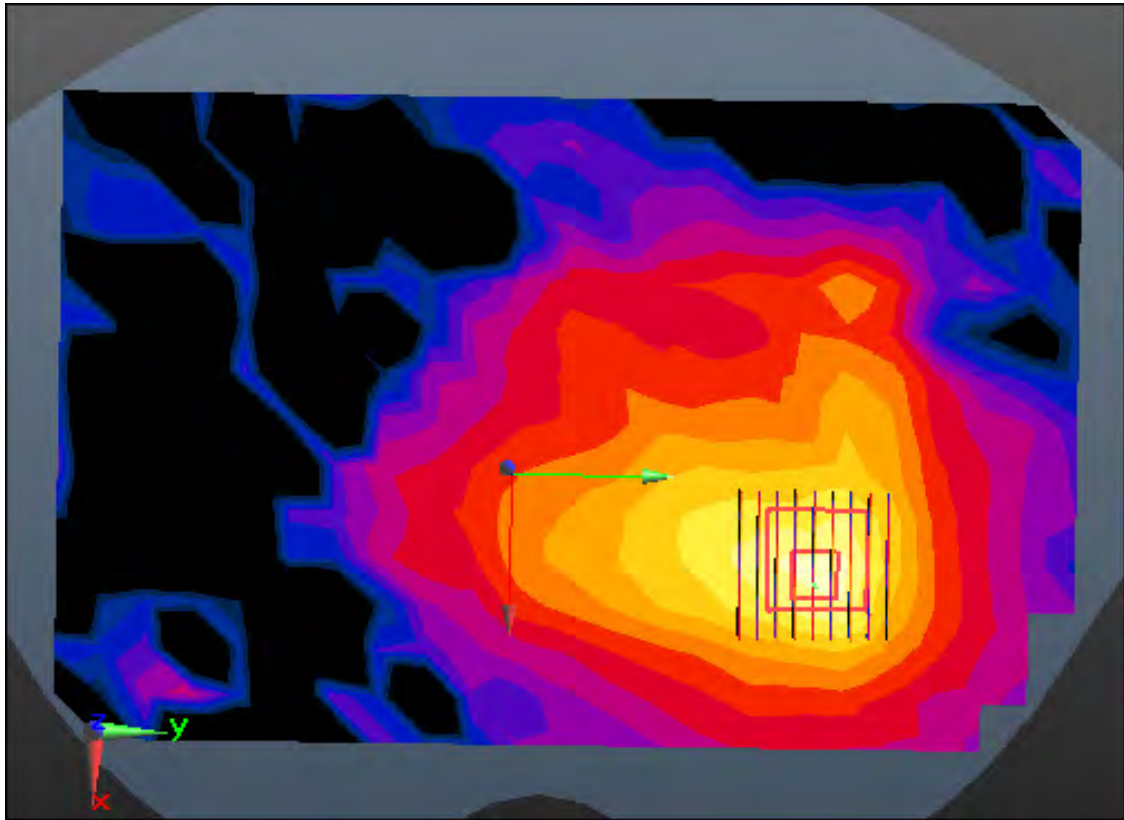
**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = -0.04 dB

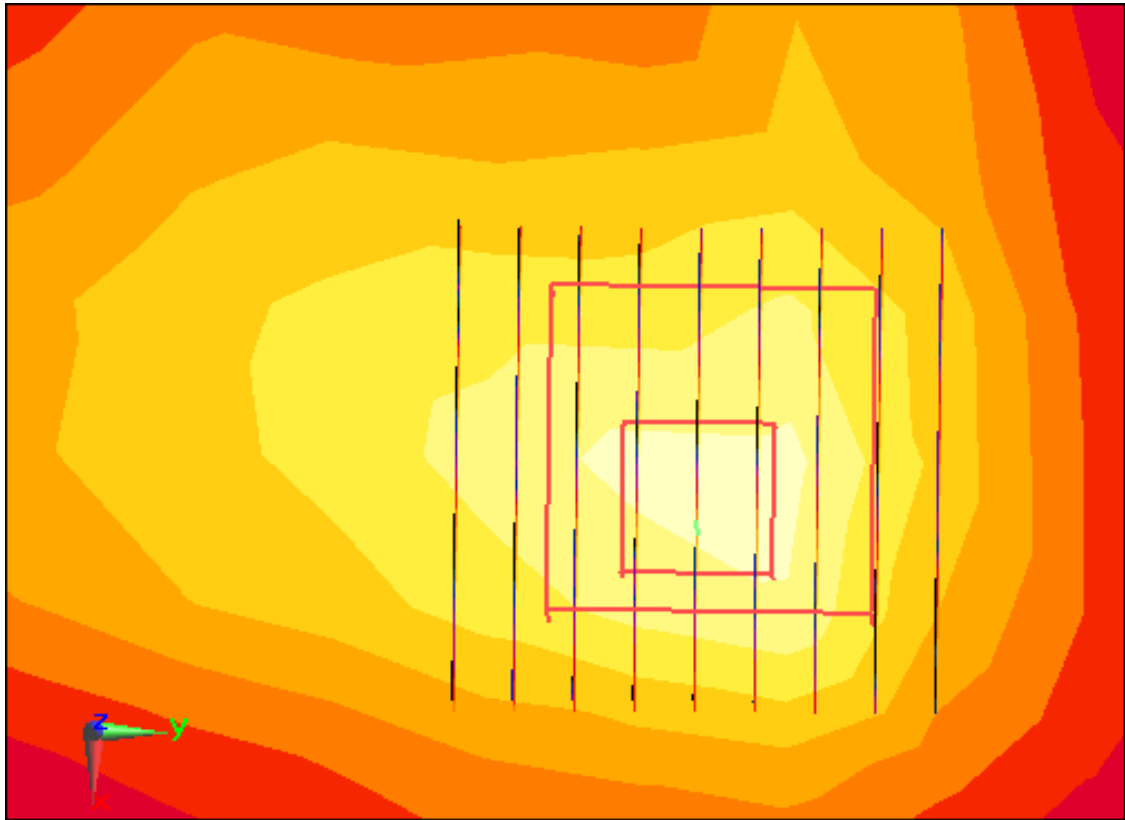
Peak SAR (extrapolated) = 21.0 W/kg

**SAR(1 g) = 3.36 W/kg; SAR(10 g) = 0.921 W/kg**





Enlarged Plot for A68



Enlarged Plot for A68

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.234 \text{ S/m}$ ;  $\epsilon_r = 48.336$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

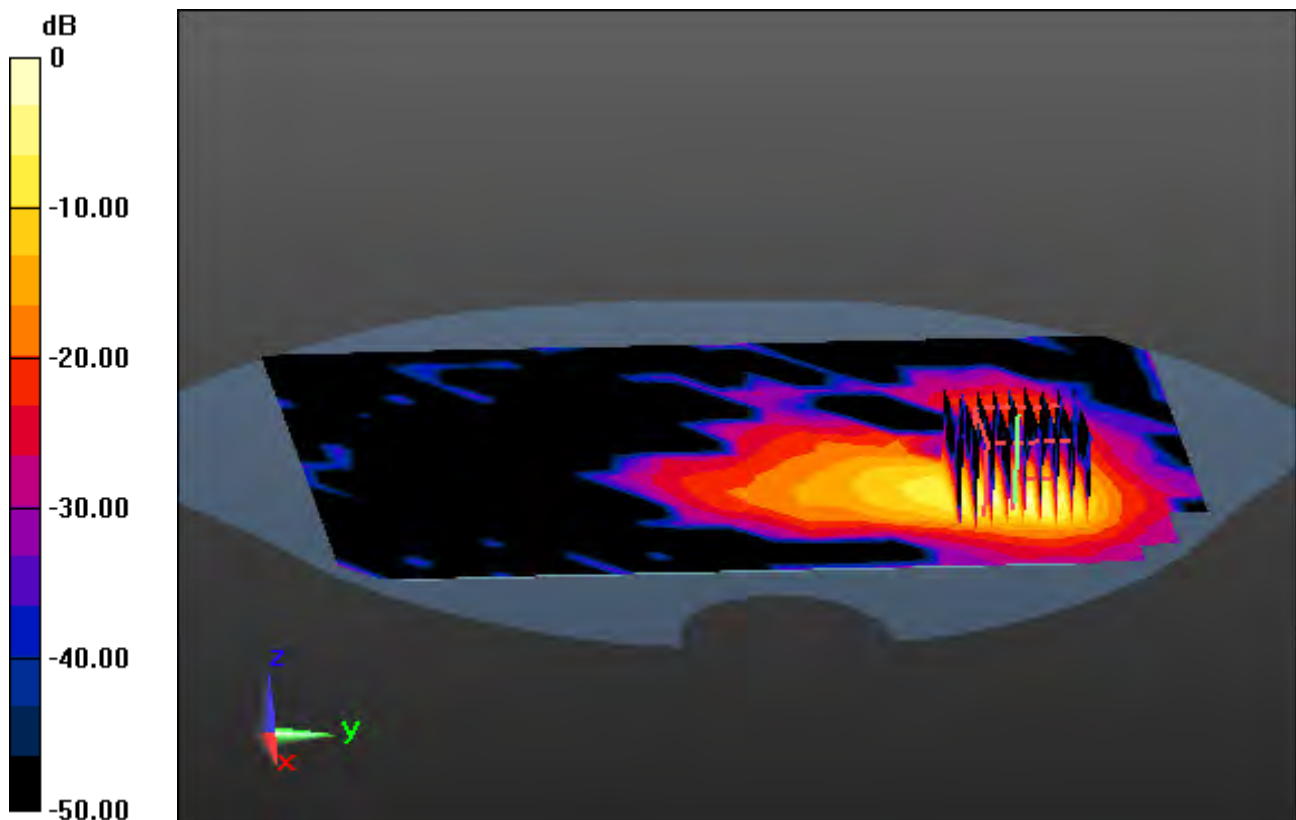
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

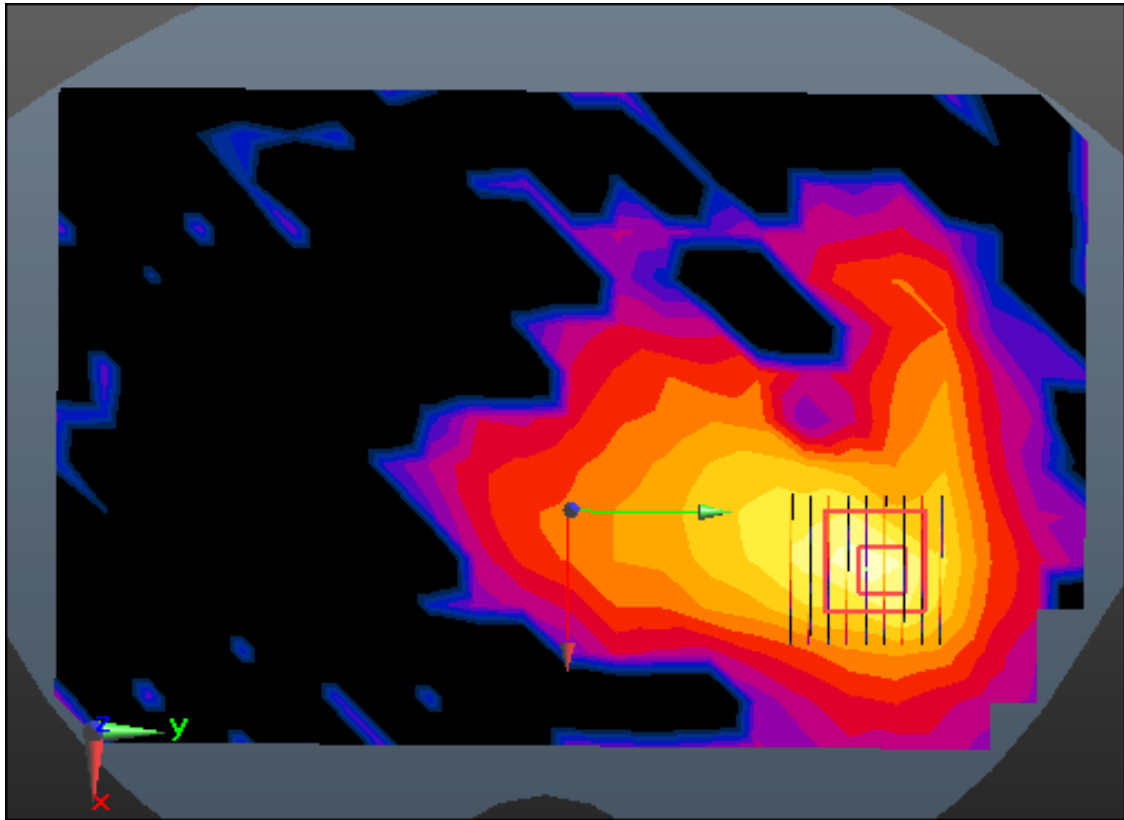
Power Drift = 0.18 dB

Peak SAR (extrapolated) = 6.64 W/kg

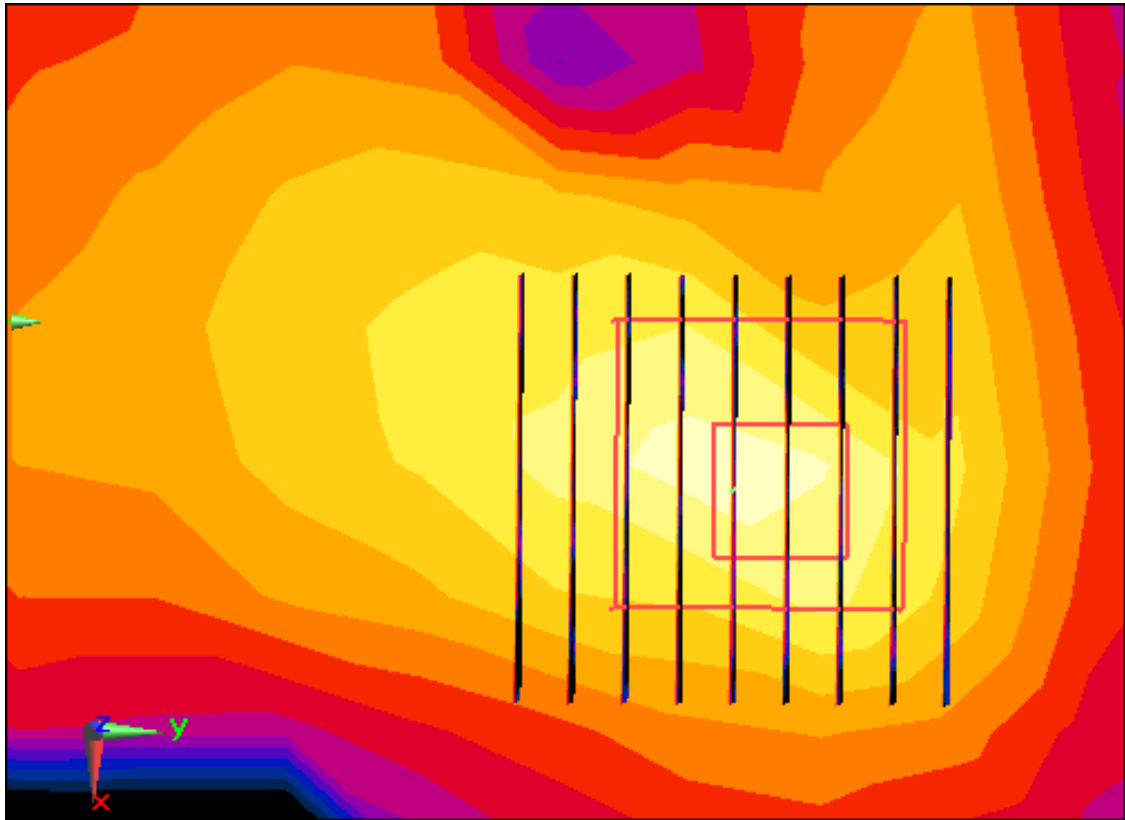
**SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.228 W/kg**



0 dB = 3.19 W/kg



Enlarged Plot for A69



Enlarged Plot for A69

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.234 \text{ S/m}$ ;  $\epsilon_r = 48.336$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

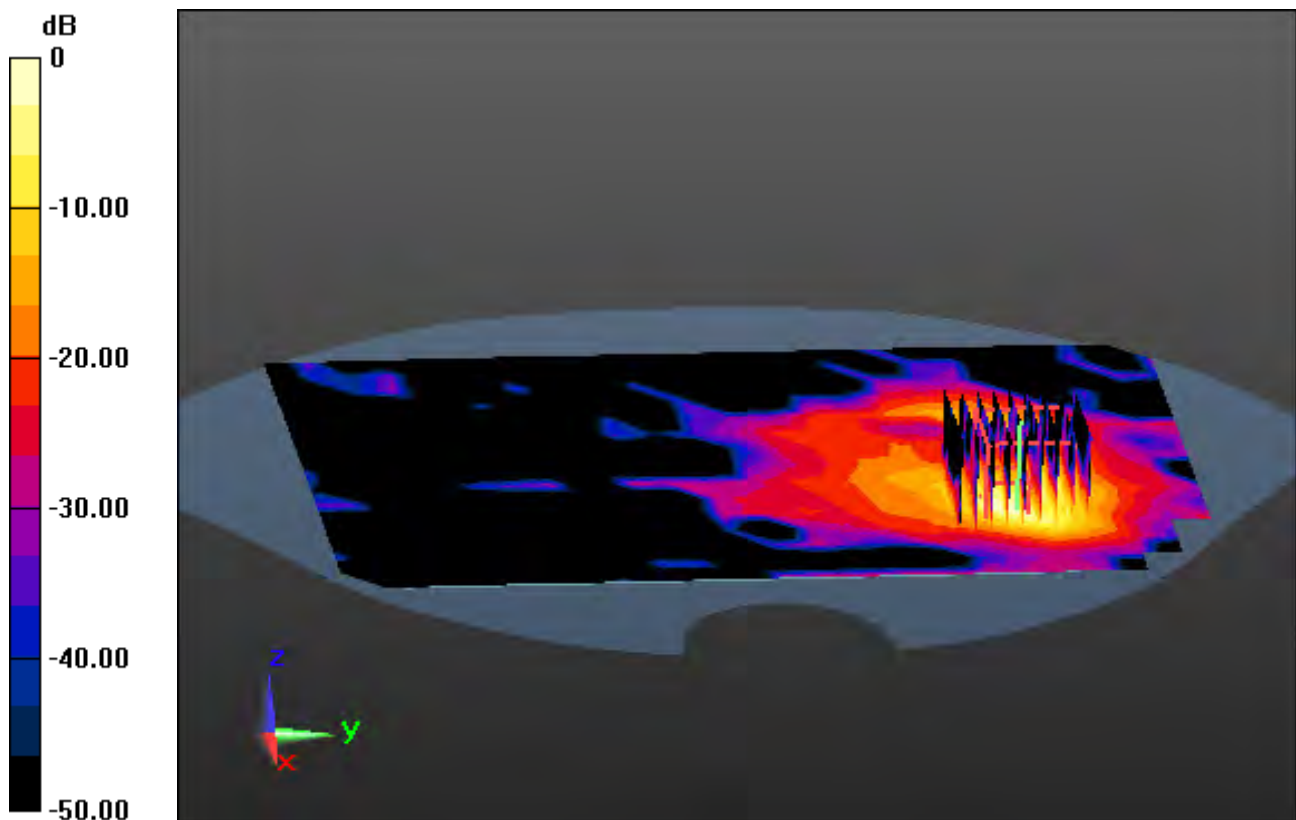
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

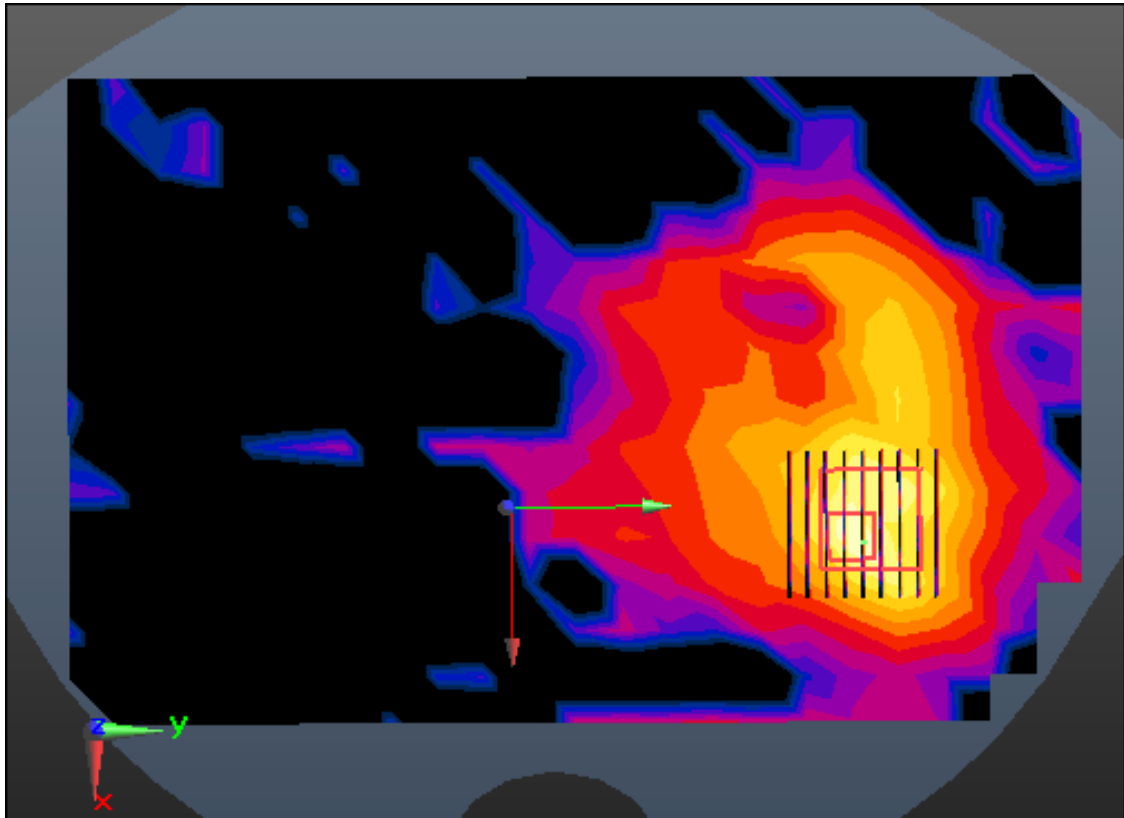
Power Drift = -0.17 dB

Peak SAR (extrapolated) = 9.65 W/kg

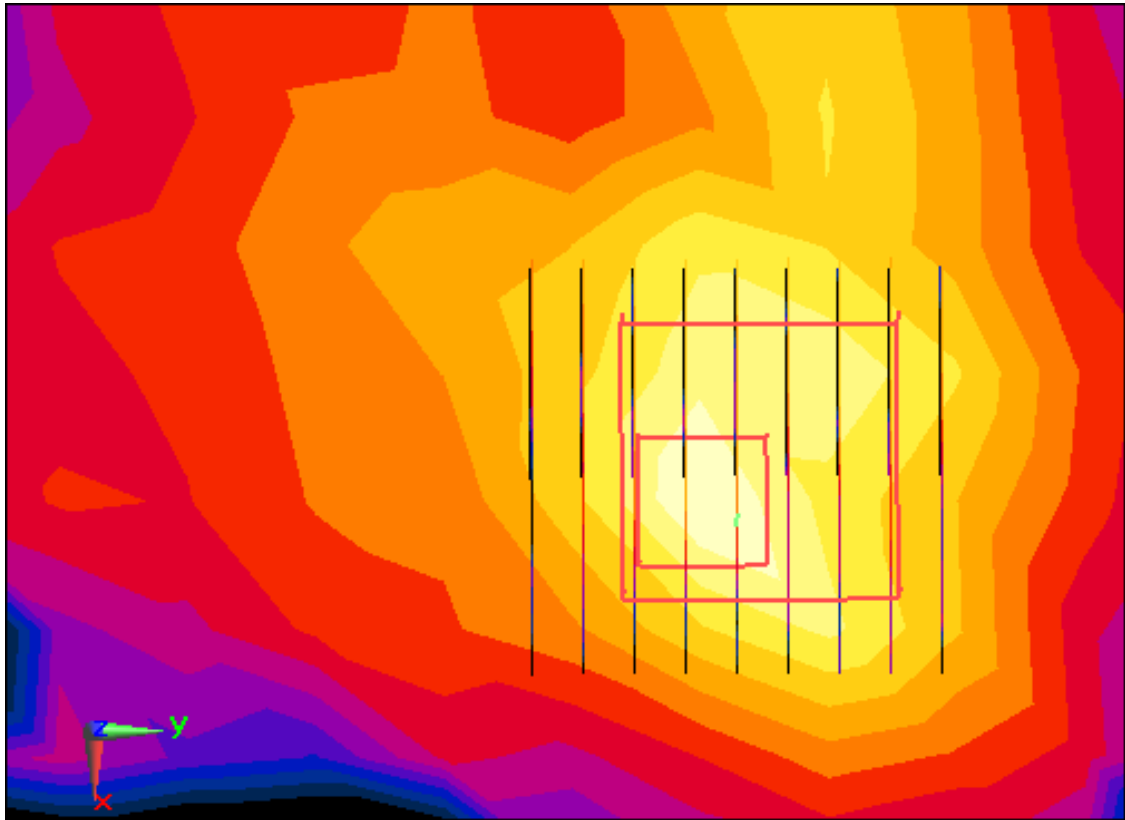
**SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.245 W/kg**



0 dB = 3.40 W/kg



Enlarged Plot for A70



Enlarged Plot for A70

## DT&C Co., Ltd.

**DUT: LM-G900EM; Type: Bar**

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

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.234 \text{ S/m}$ ;  $\epsilon_r = 48.336$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

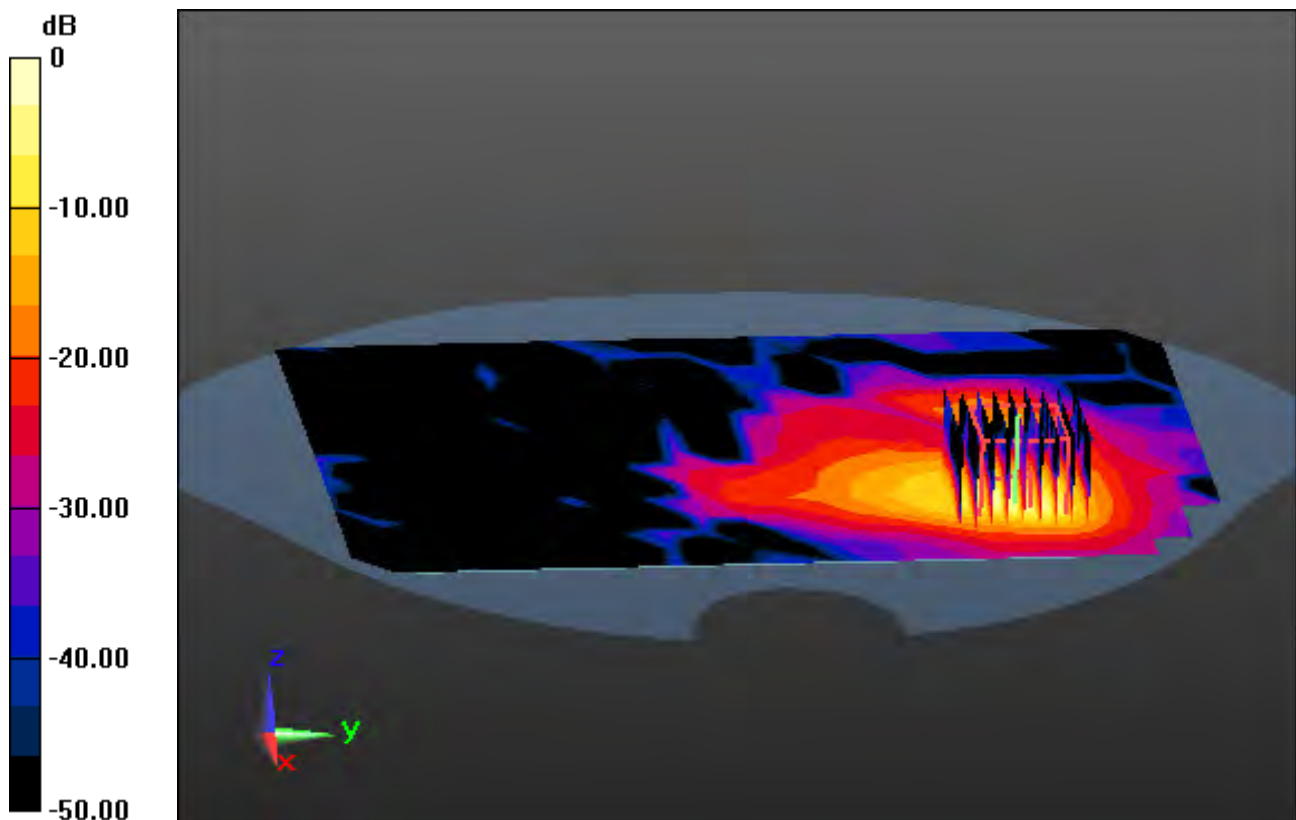
**Area Scan (15x23x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

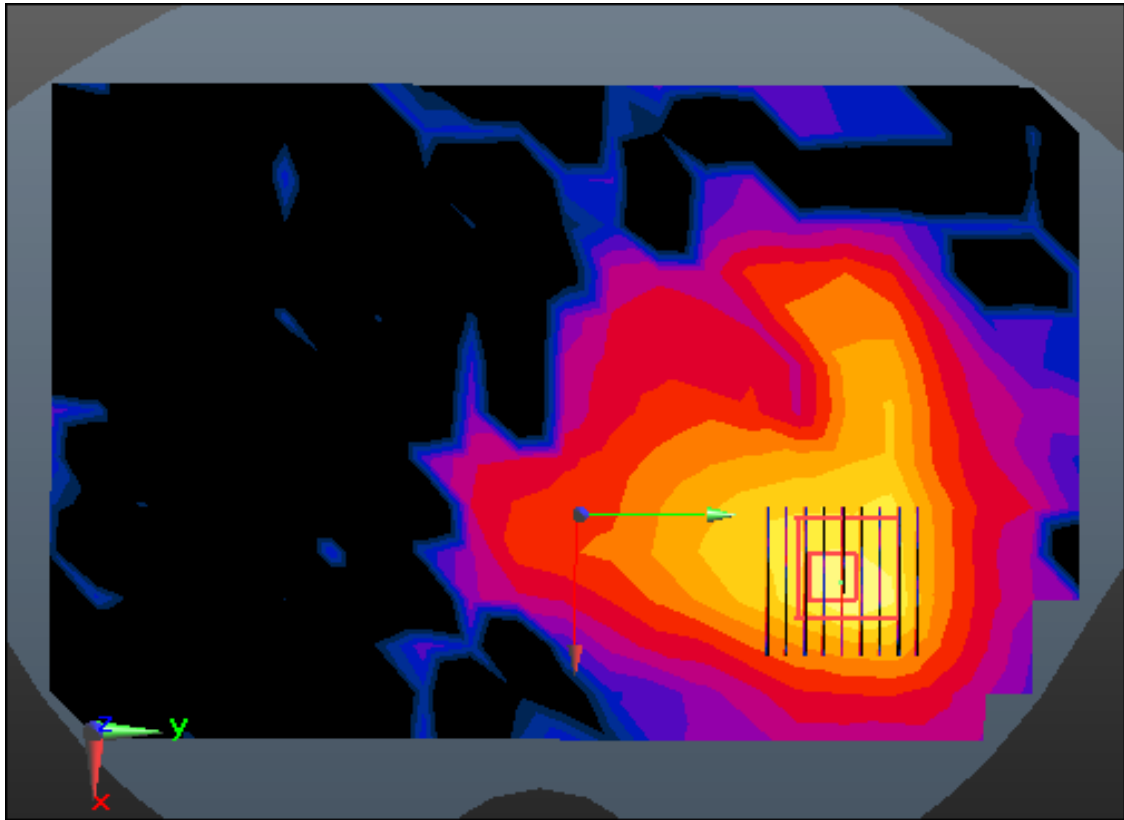
Power Drift = -0.01 dB

Peak SAR (extrapolated) =  $16.4 \text{ W/kg}$

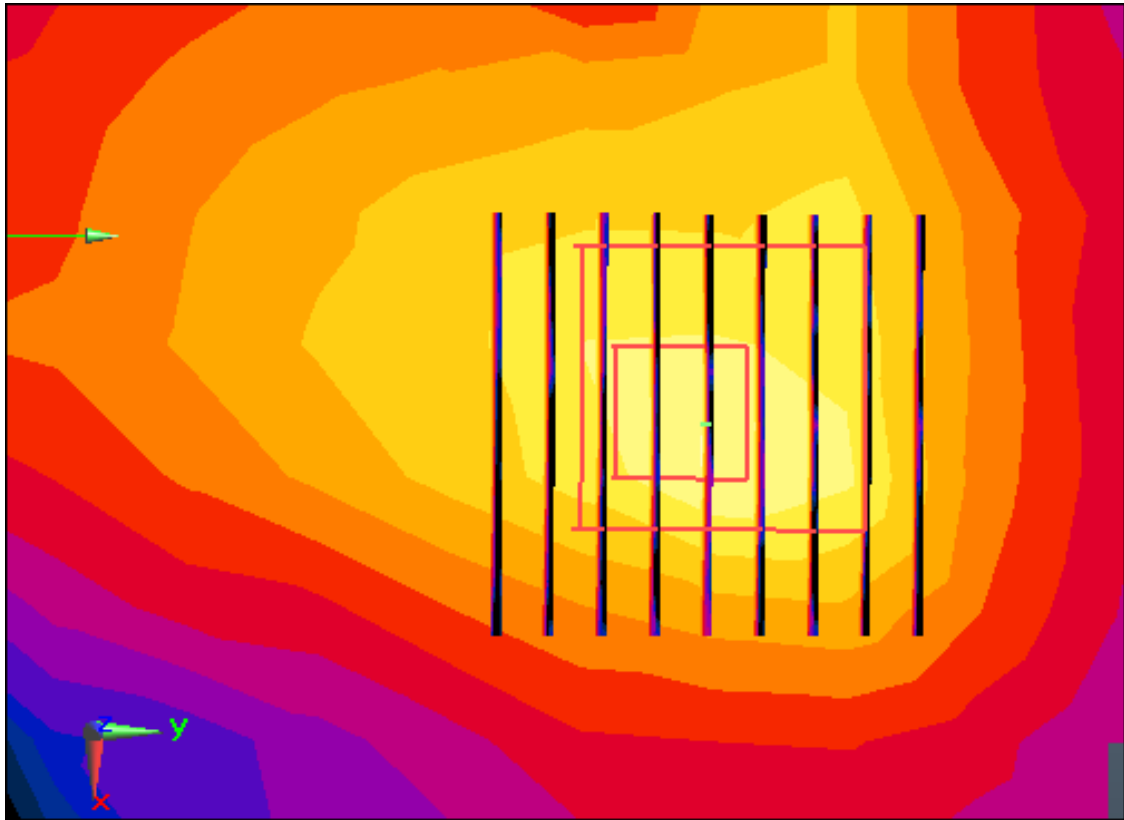
**SAR(1 g) =  $1.9 \text{ W/kg}$ ; SAR(10 g) =  $0.473 \text{ W/kg}$**



0 dB =  $7.32 \text{ W/kg}$



Enlarged Plot for A71



Enlarged Plot for A71