

## 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:  $f = 750$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 40.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.4

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

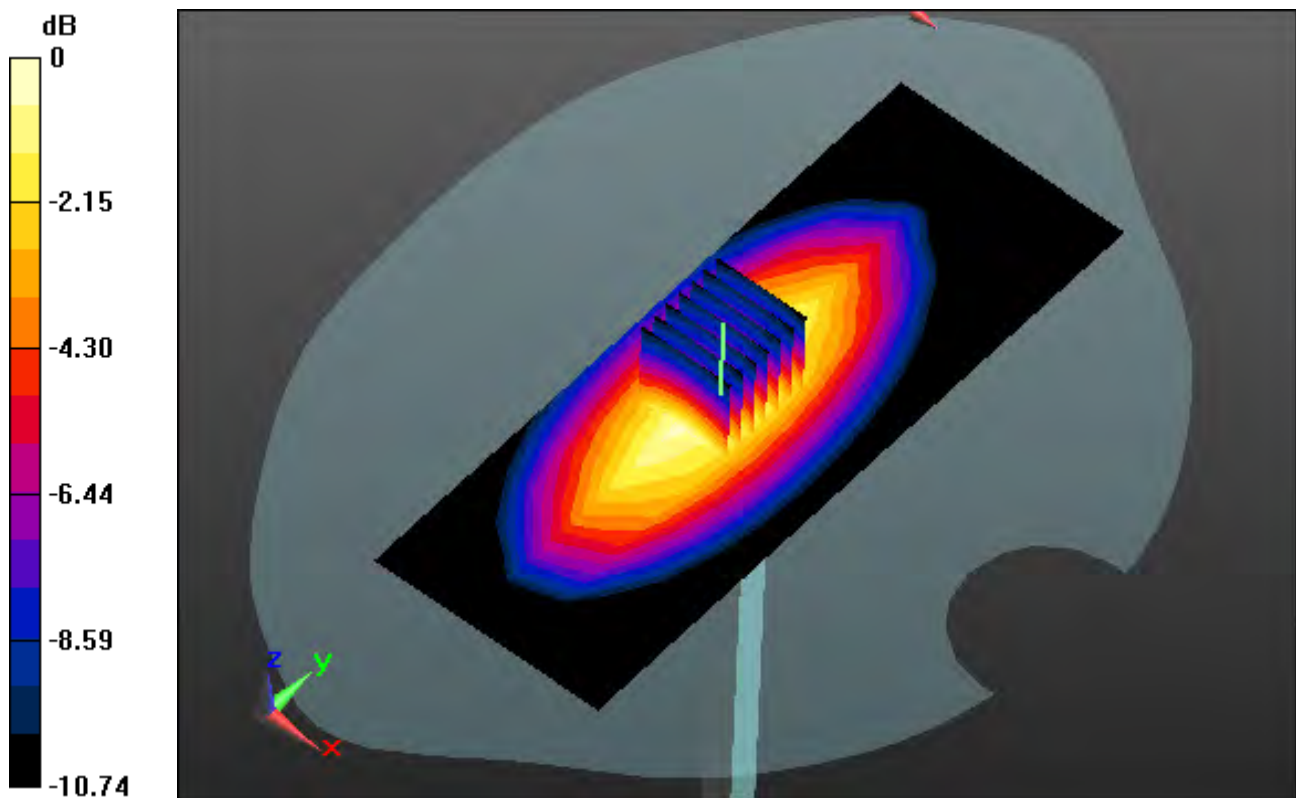
**Area Scan (6x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.24 W/kg

**SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.36 W/kg**



0 dB = 2.50 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.972$  S/m;  $\epsilon_r = 53.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.5

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

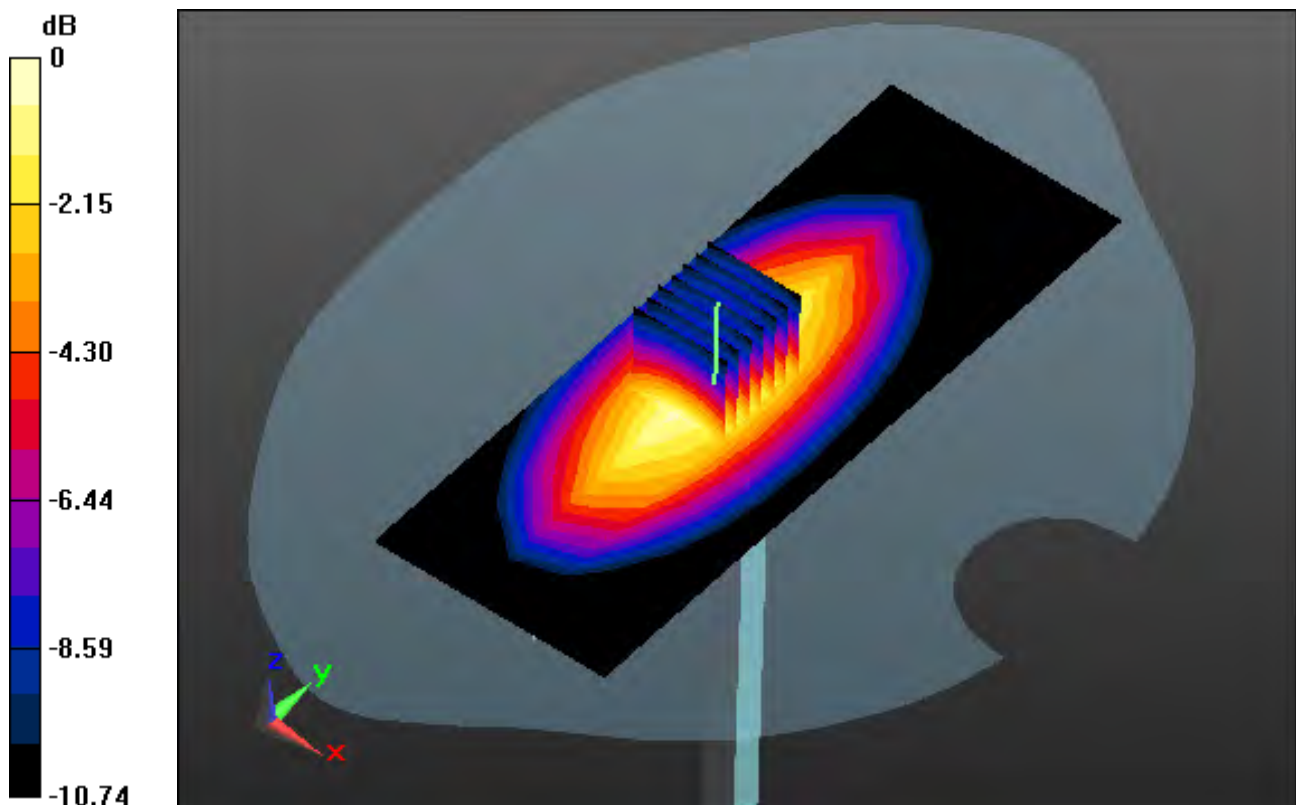
**Area Scan (6x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.51 W/kg

**SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.52 W/kg**



0 dB = 2.71 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:  $f = 835$  MHz;  $\sigma = 0.893$  S/m;  $\epsilon_r = 40.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.5

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

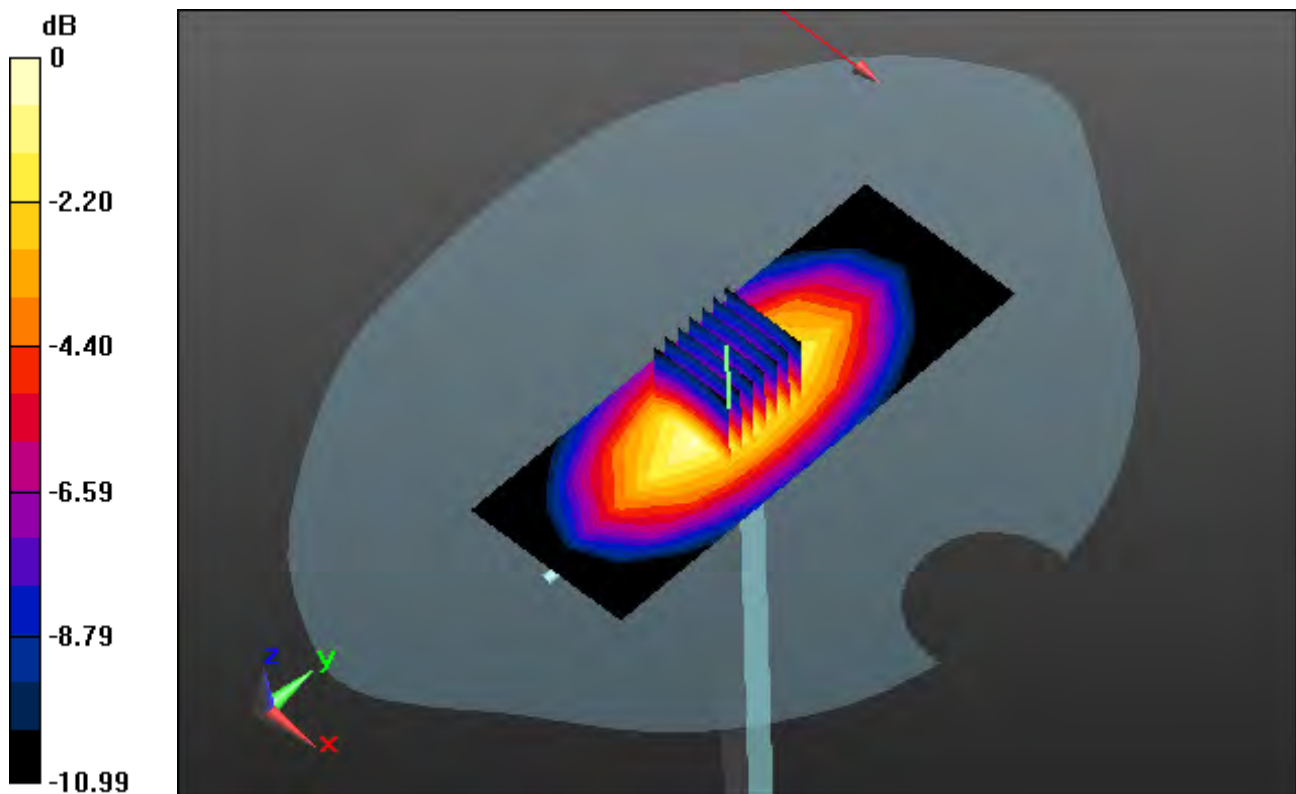
**Area Scan (5x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.59 W/kg

**SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.53 W/kg**



0 dB = 2.78 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:  $f = 835$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.102$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.3

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

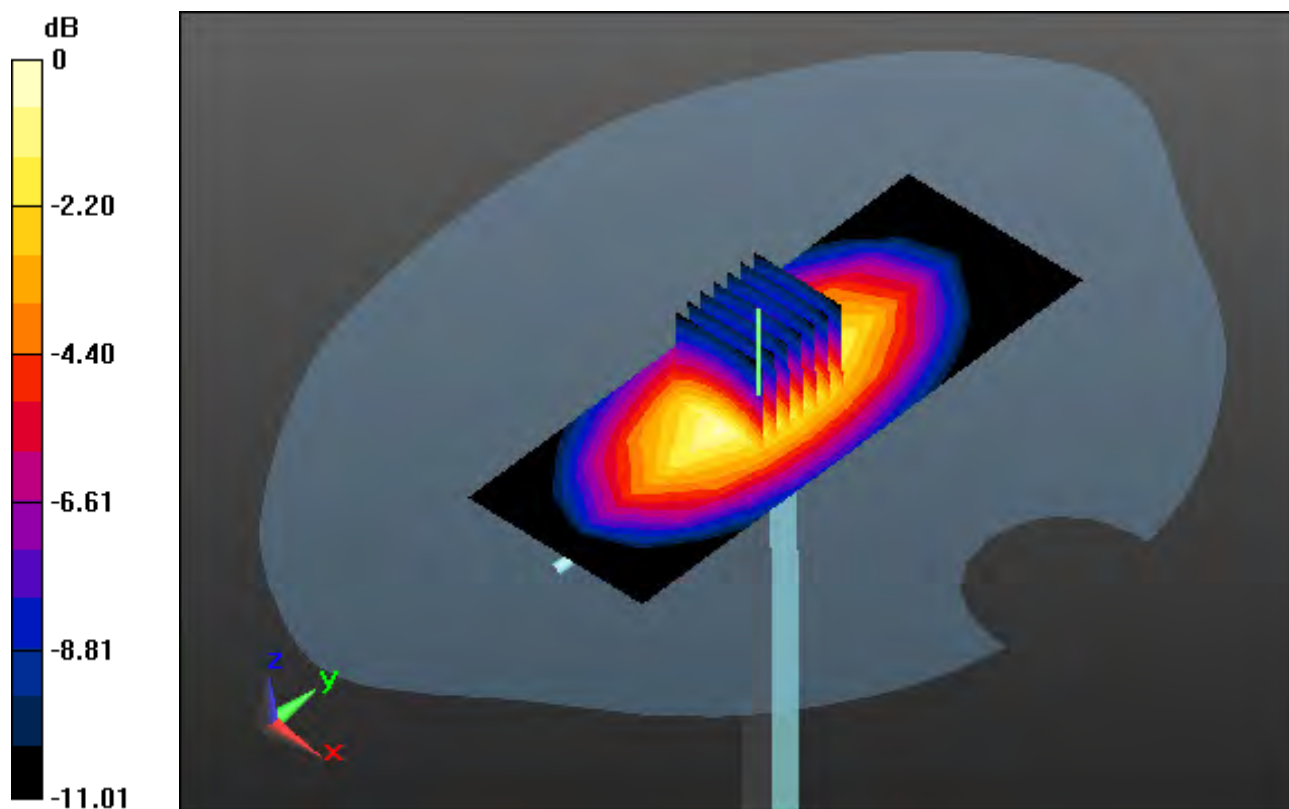
**Area Scan (5x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.15 W/kg

**SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.47 W/kg**



0 dB = 2.76 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 39.746$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.6

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

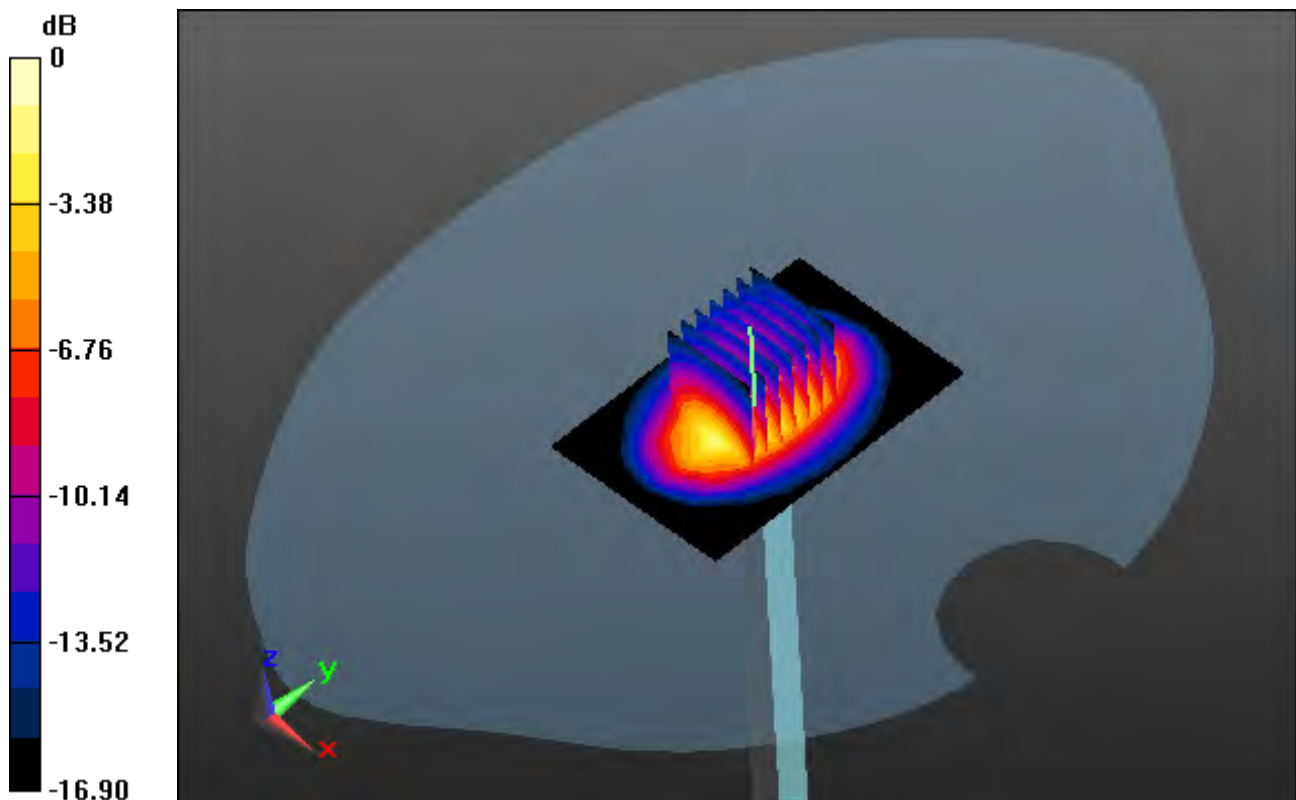
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.06 W/kg

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



0 dB = 6.02 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.493$  S/m;  $\epsilon_r = 51.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.7

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

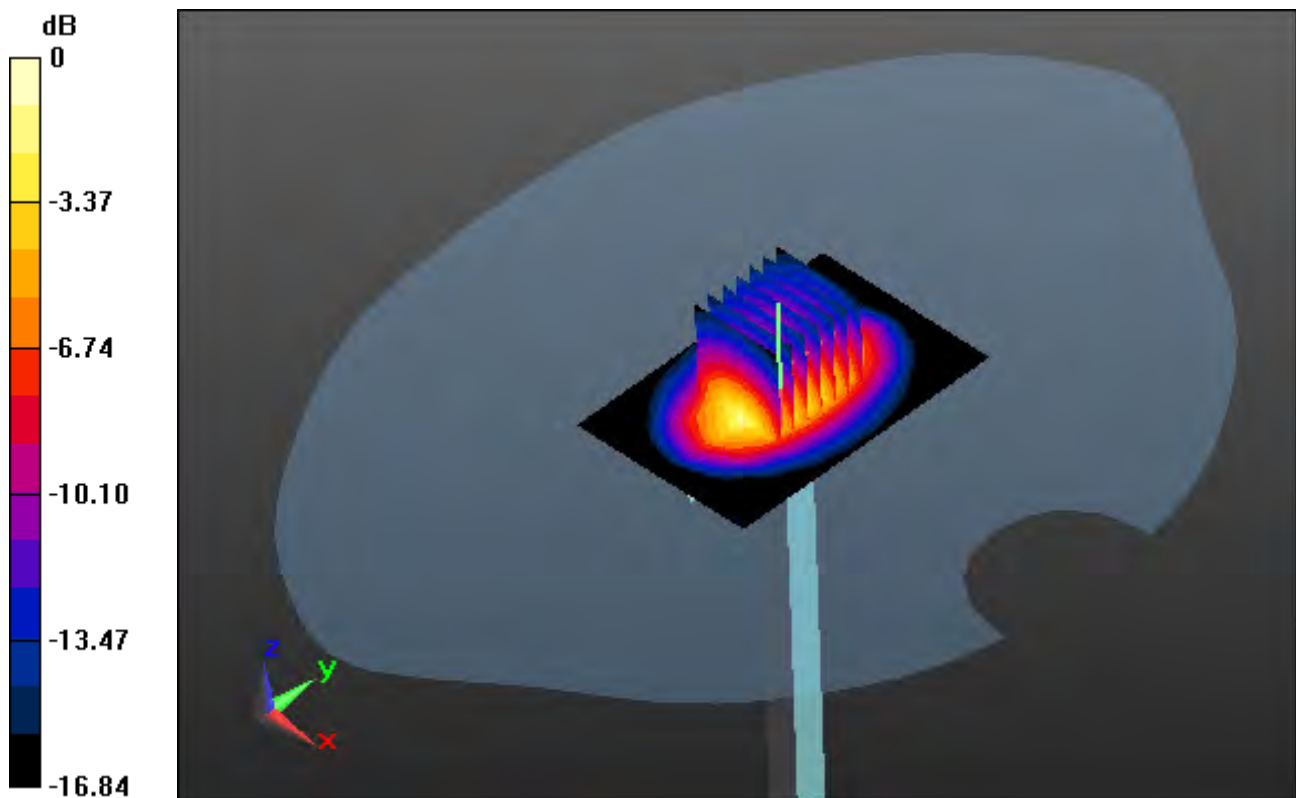
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.81 W/kg

**SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.1 W/kg**



0 dB = 6.24 W/kg



## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.438$  S/m;  $\epsilon_r = 40.173$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.6

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

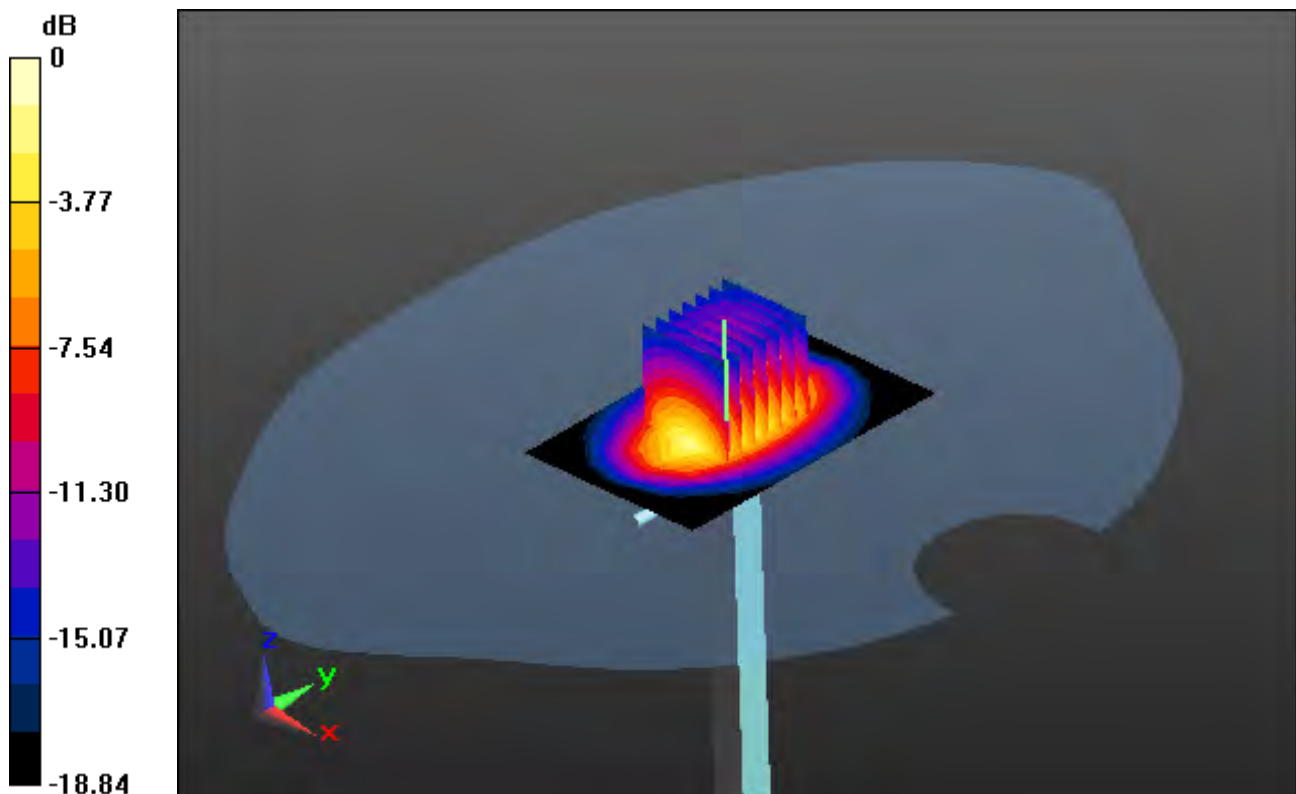
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.02 W/kg

**SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.08 W/kg**



0 dB = 5.48 W/kg



## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.496$  S/m;  $\epsilon_r = 51.915$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.8

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

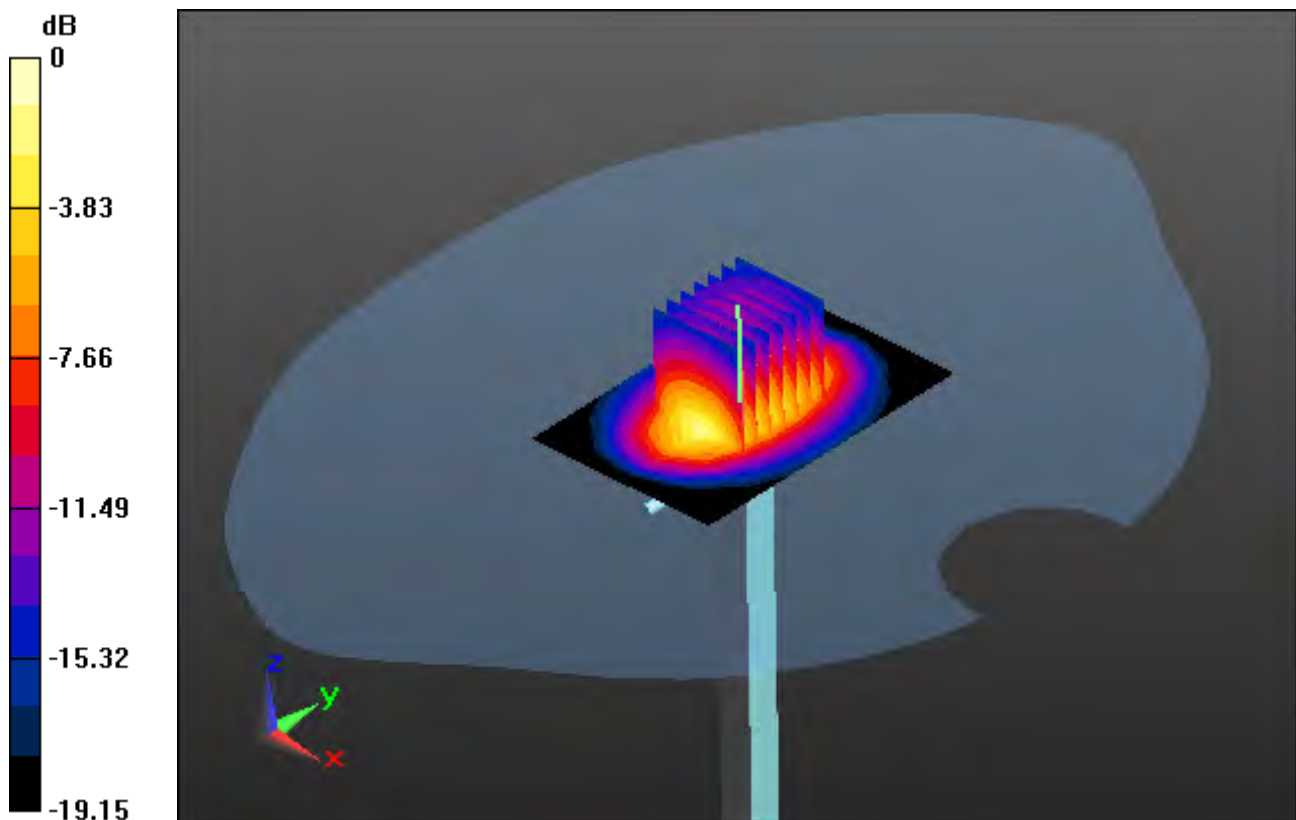
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.13 W/kg

**SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.11 W/kg**



0 dB = 5.35 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;  $\sigma = 1.424$  S/m;  $\epsilon_r = 38.765$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.7

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

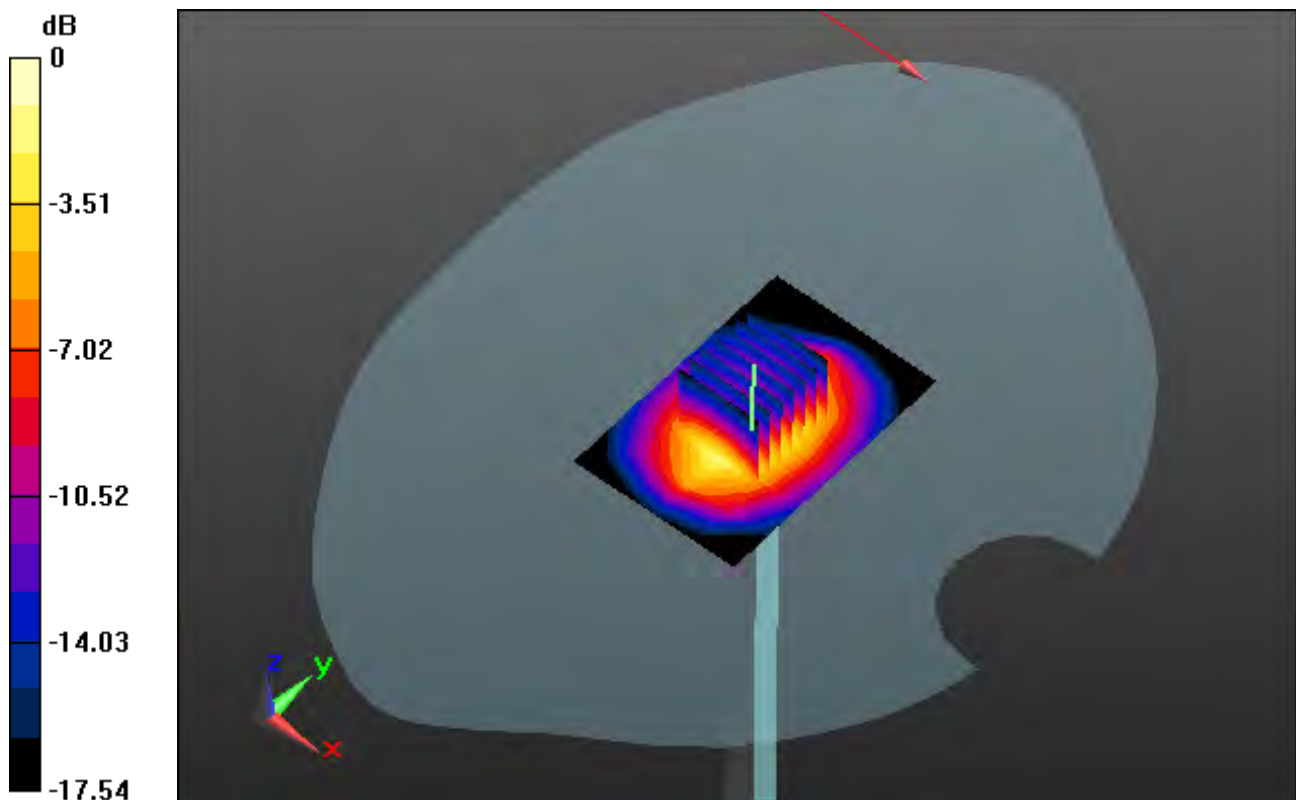
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.3 W/kg

**SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.02 W/kg**



0 dB = 4.86 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;  $\sigma = 1.541$  S/m;  $\epsilon_r = 51.58$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

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

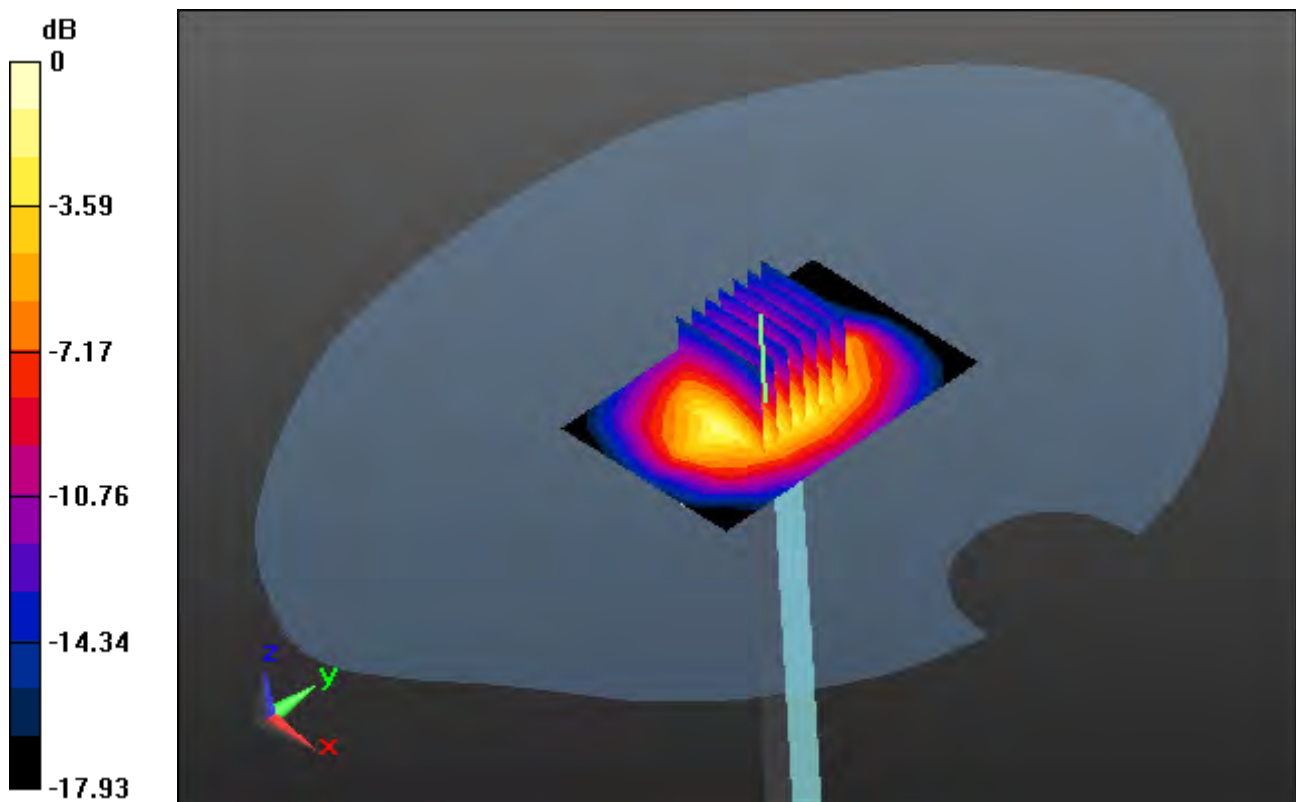
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 6.61 W/kg

**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.07 W/kg**



0 dB = 5.13 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;  $\sigma = 1.431$  S/m;  $\epsilon_r = 38.99$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.5

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

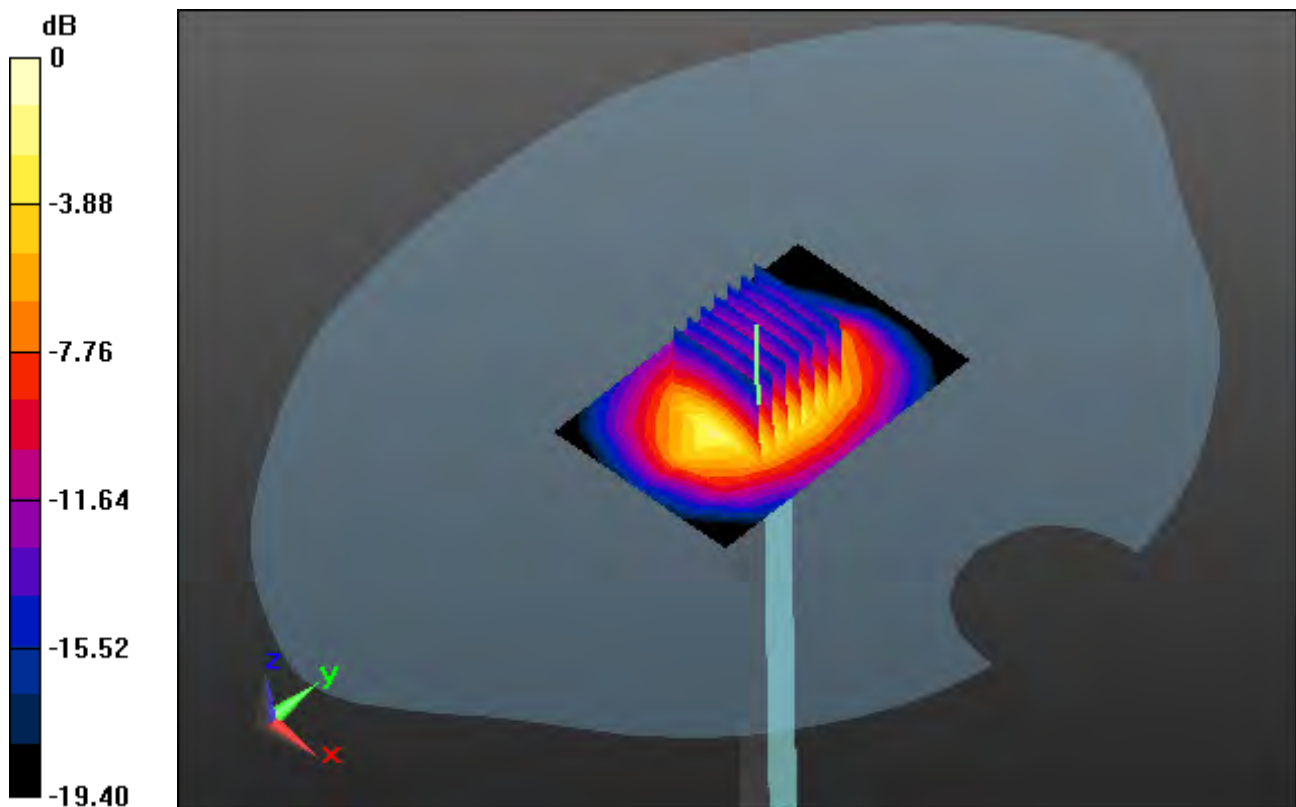
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.3 W/kg

SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 5.80 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;  $\sigma = 1.548$  S/m;  $\epsilon_r = 51.753$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

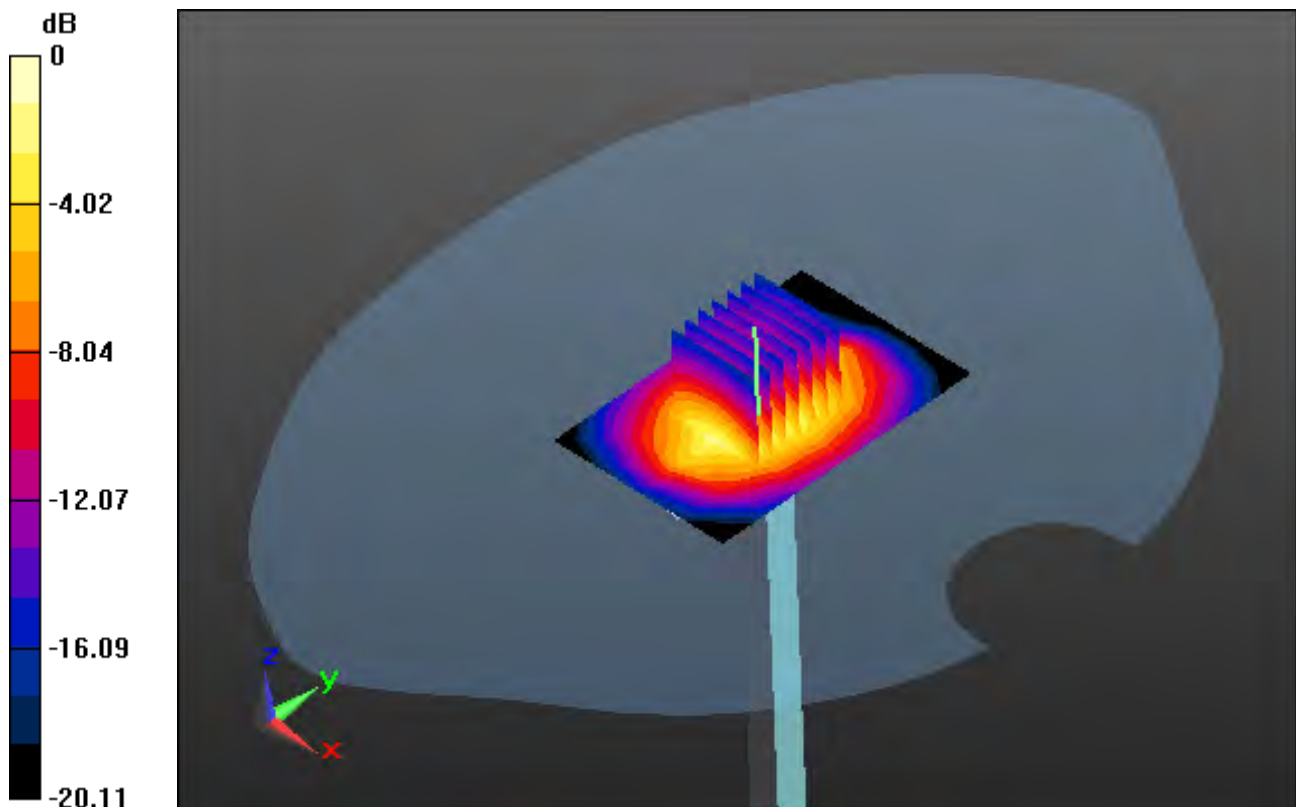
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 6.65 W/kg

**SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.08 W/kg**



0 dB = 5.16 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;  $\epsilon_r = 39.168$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.3

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

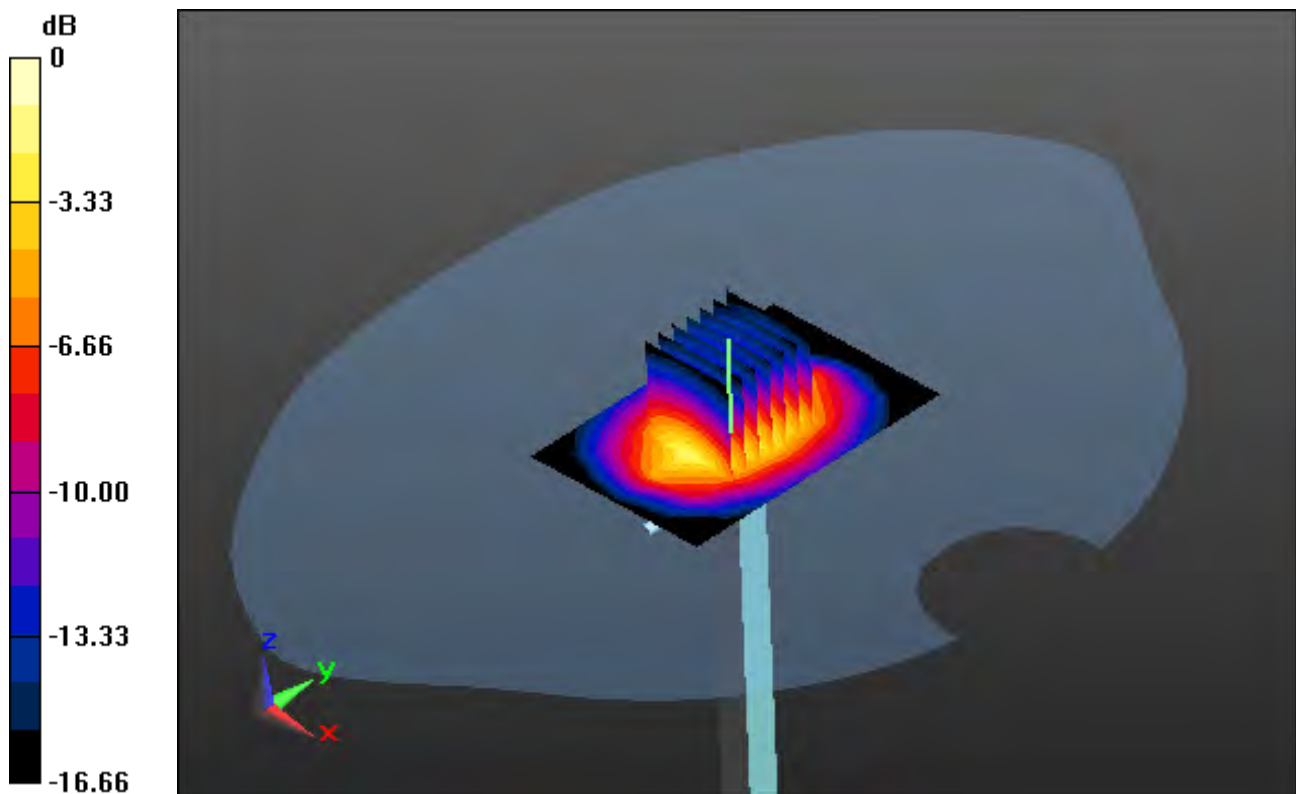
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.94 W/kg

**SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.14 W/kg**



0 dB = 5.81 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;  $\sigma = 1.548$  S/m;  $\epsilon_r = 51.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.1

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

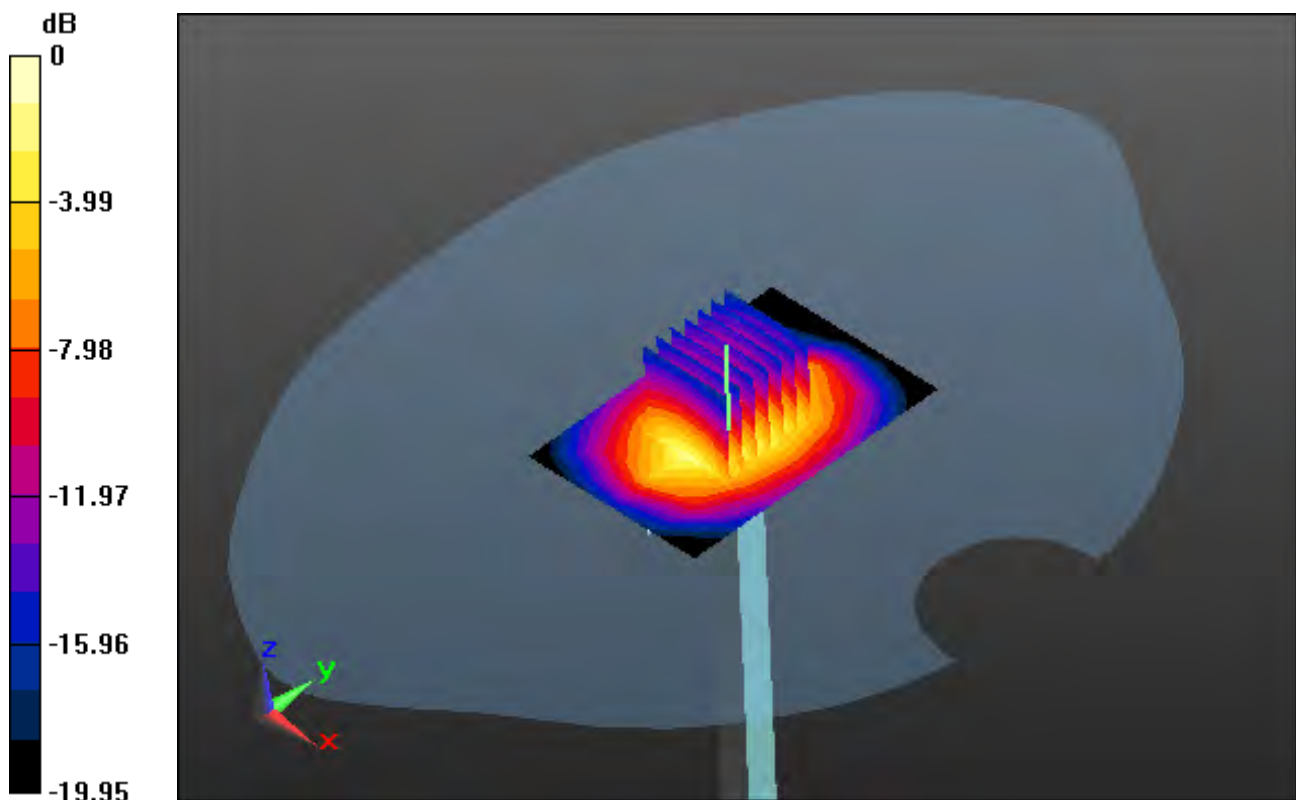
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.05 W/kg

**SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.18 W/kg**



0 dB = 5.76 W/kg



## DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.754$  S/m;  $\epsilon_r = 40.339$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

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

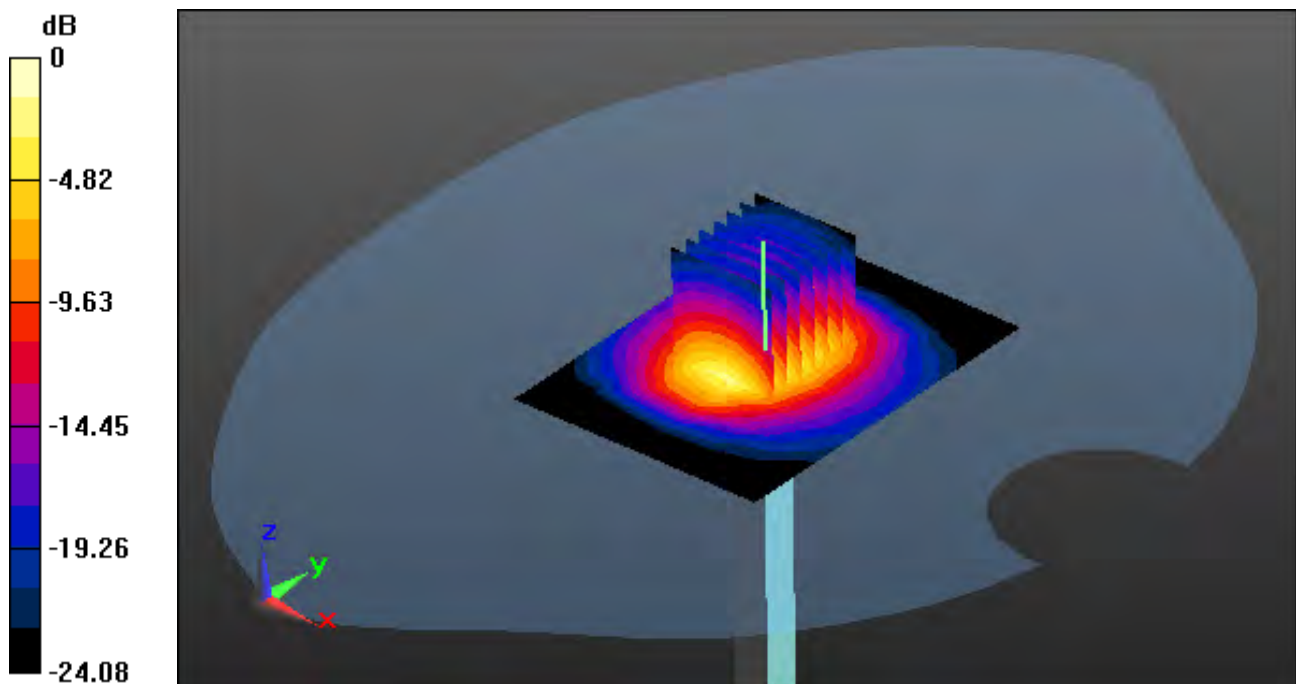
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 10.6 W/kg

**SAR(1 g) = 4.93 W/kg; SAR(10 g) = 2.35 W/kg**



0 dB = 7.65 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.977$  S/m;  $\epsilon_r = 52.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

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

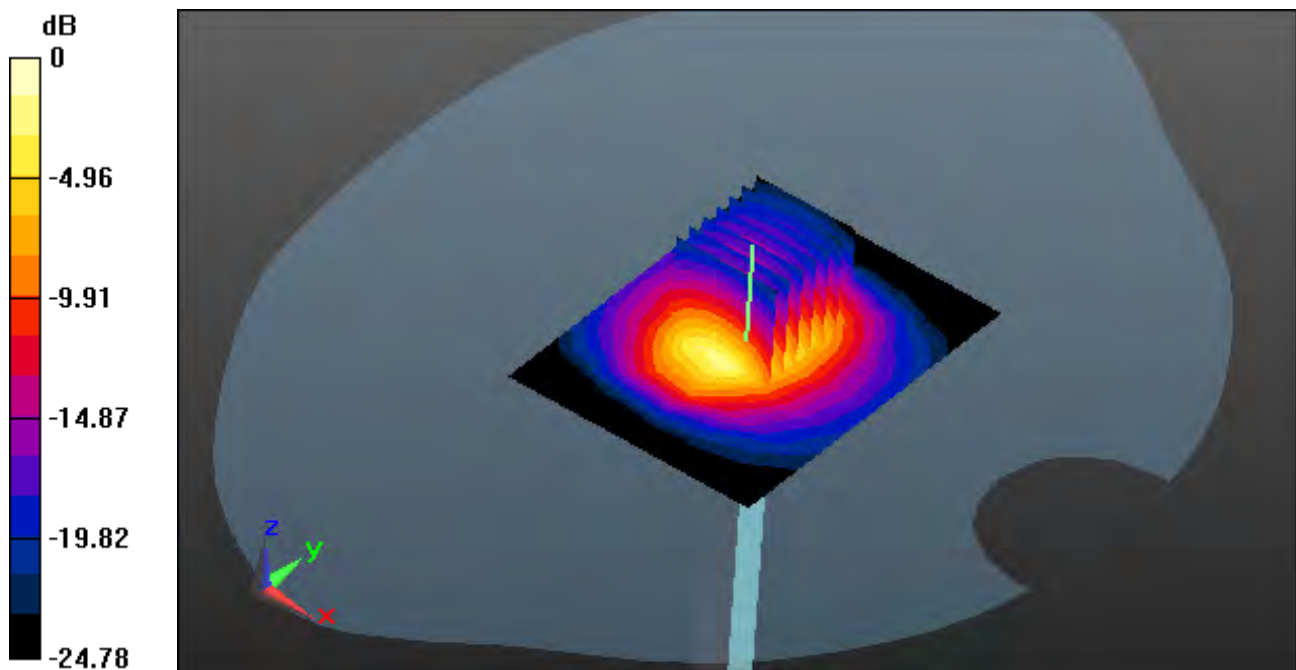
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.29 W/kg

**SAR(1 g) = 4.89 W/kg; SAR(10 g) = 2.33 W/kg**



0 dB = 5.12 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:  $f = 5200$  MHz;  $\sigma = 4.748$  S/m;  $\epsilon_r = 35.839$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

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

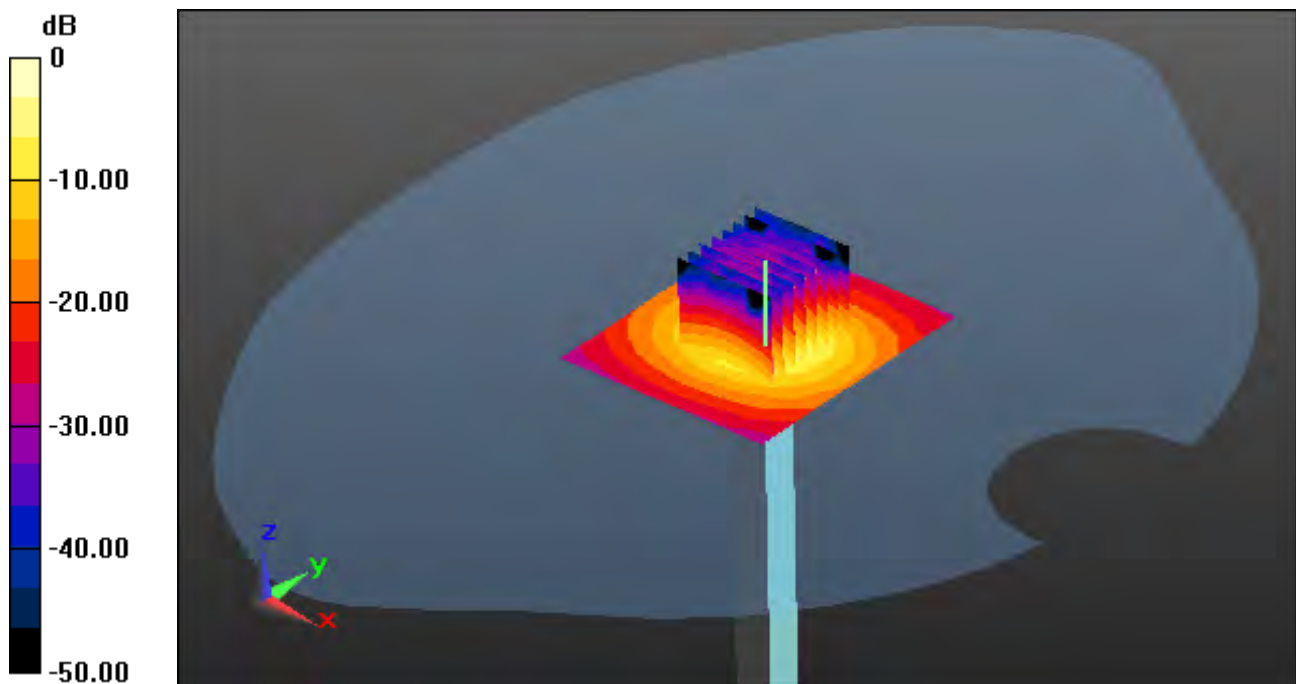
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 32.6 W/kg

**SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.23 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: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.302$  S/m;  $\epsilon_r = 48.532$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

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

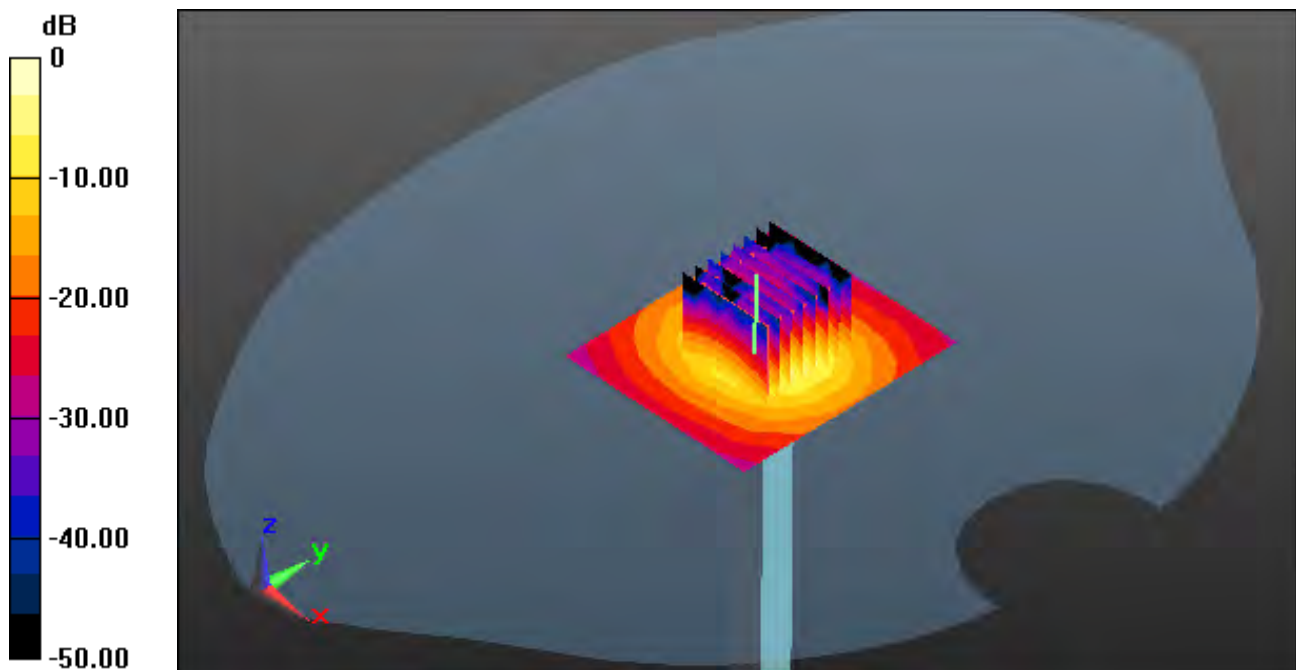
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 22.7 W/kg

**SAR(1 g) = 7.13 W/kg; SAR(10 g) = 1.97 W/kg**



0 dB = 16.63 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;  $\sigma = 5.396$  S/m;  $\epsilon_r = 47.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.3

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

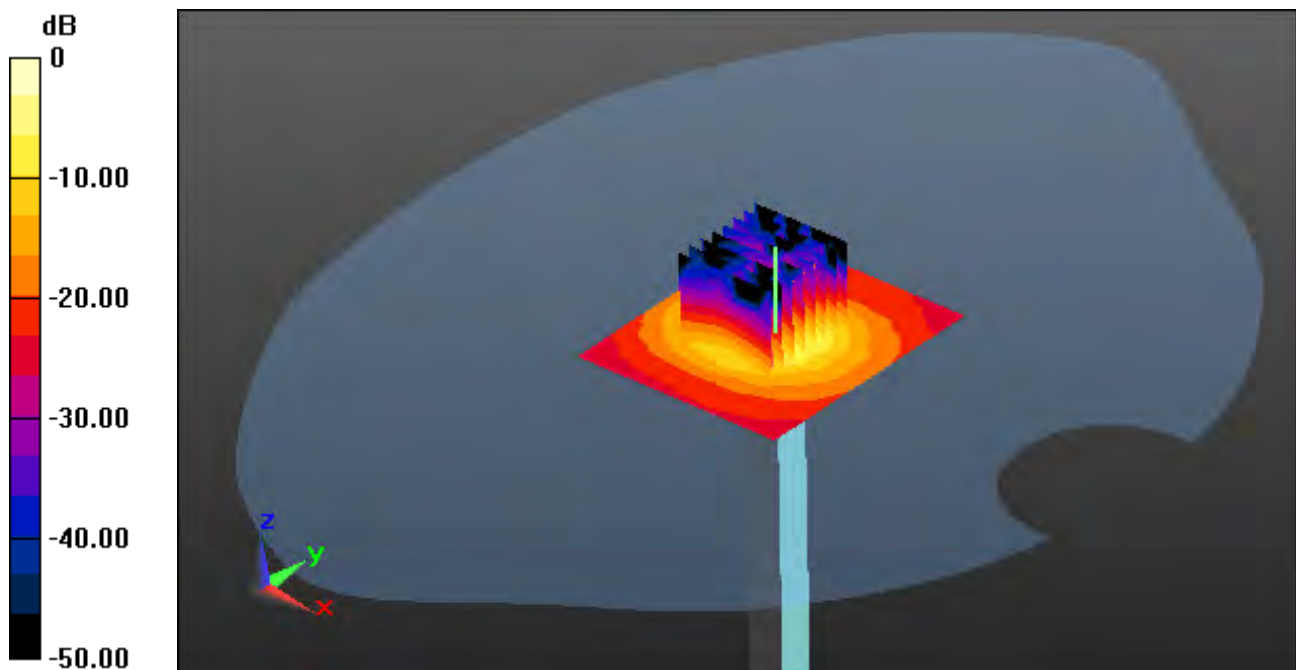
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 38.3 W/kg

**SAR(1 g) = 7.44 W/kg; SAR(10 g) = 2.01 W/kg**



0 dB = 18.3 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.209$  S/m;  $\epsilon_r = 34.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

### **5600 MHz System Head Verification (100 mW)**

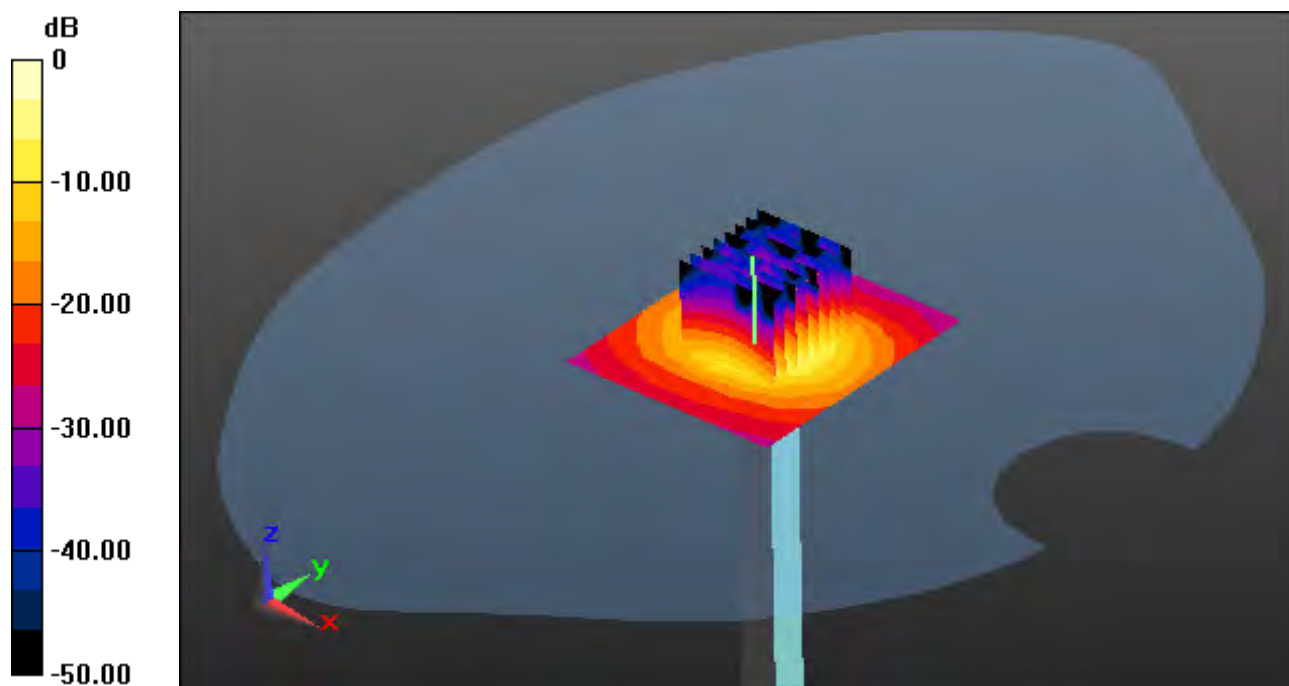
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 8.19 W/kg; SAR(10 g) = 2.29 W/kg**



0 dB = 19.7 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.986$  S/m;  $\epsilon_r = 47.106$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

### **5600 MHz System Body Verification (100 mW)**

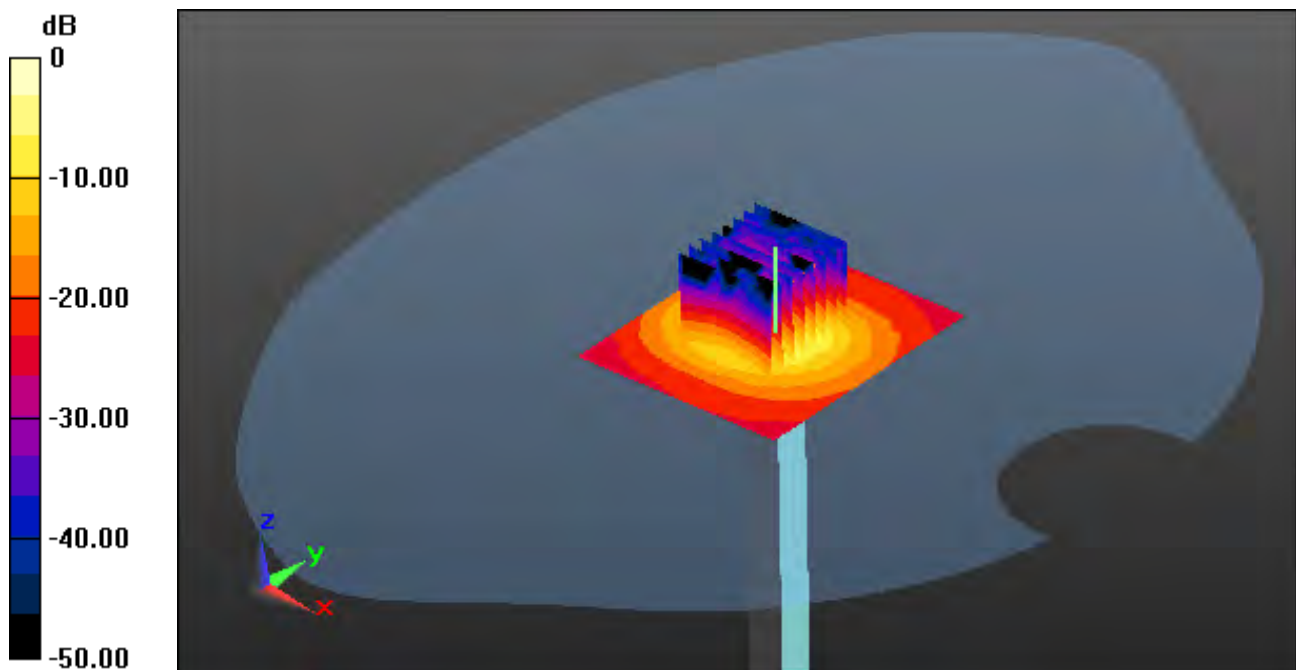
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 39.9 W/kg

**SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.13 W/kg**



0 dB = 36.4 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;  $\sigma = 5.407$  S/m;  $\epsilon_r = 34.291$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

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

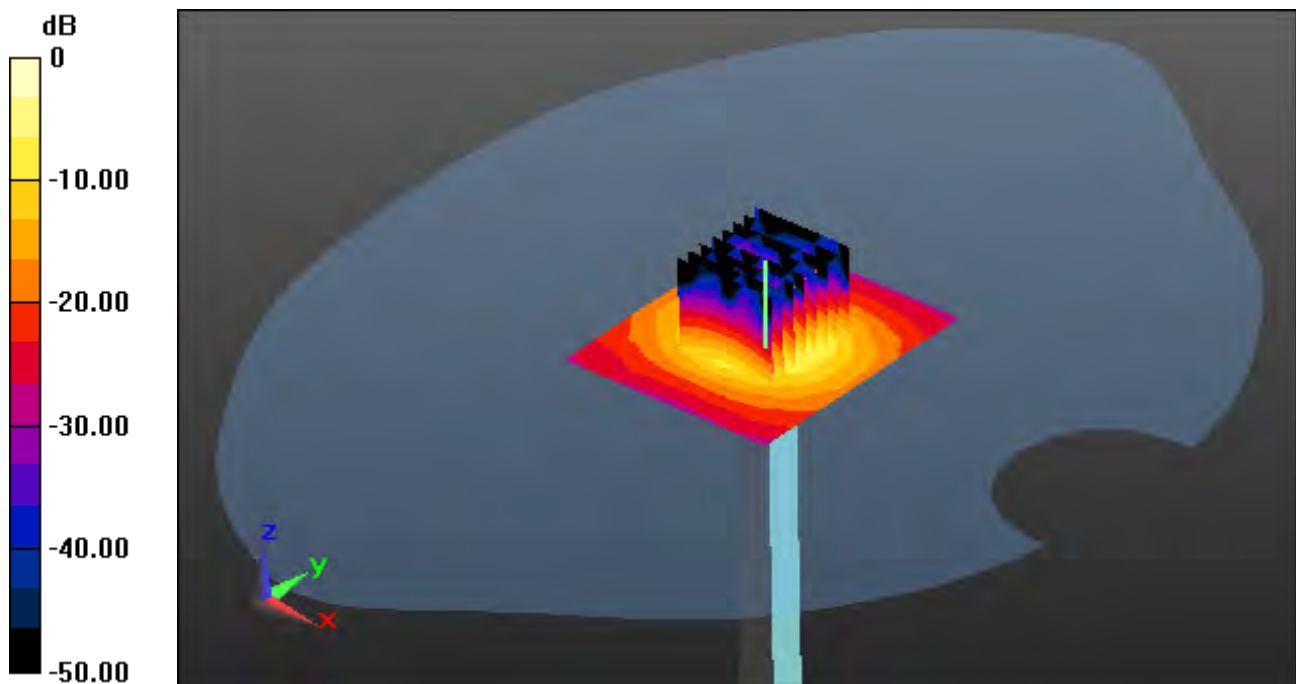
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 33.6 W/kg

**SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.17 W/kg**



0 dB = 18.2 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;  $\sigma = 6.101$  S/m;  $\epsilon_r = 47.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

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

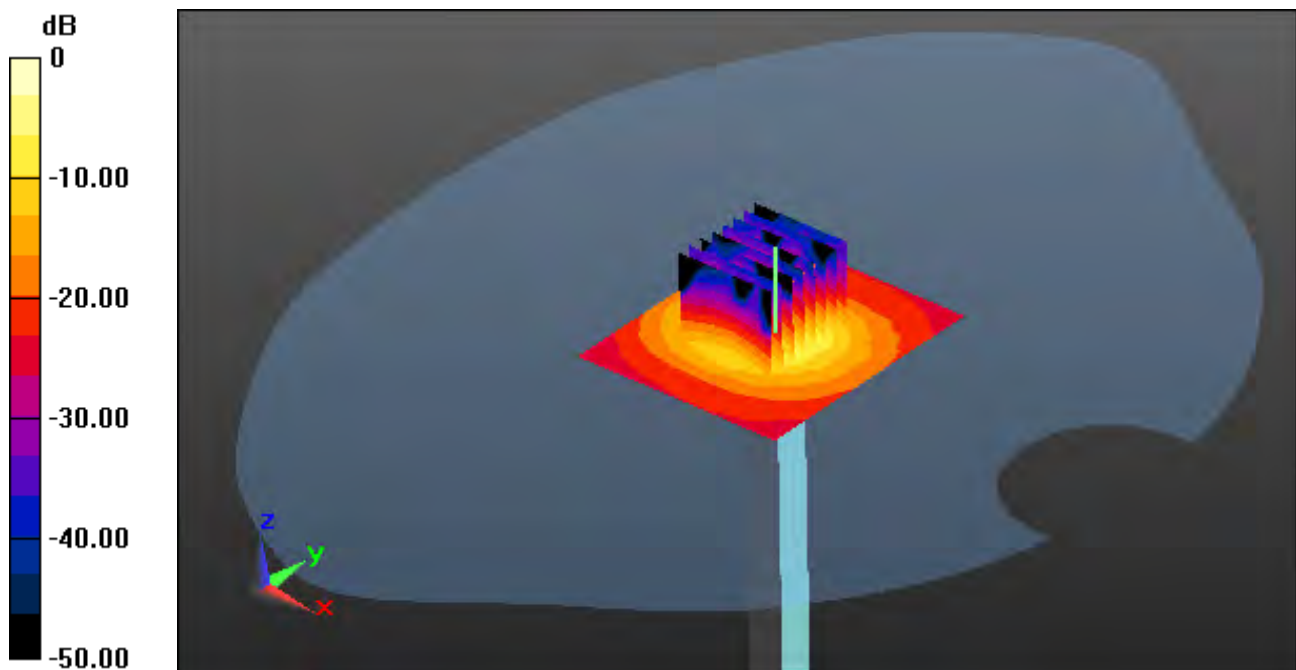
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 39.1 W/kg

**SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.04 W/kg**



# DT&C Co., Ltd.

**DUT: KX1801; 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;  $\sigma = 0.895$  S/m;  $\epsilon_r = 40.621$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.5

## **Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**

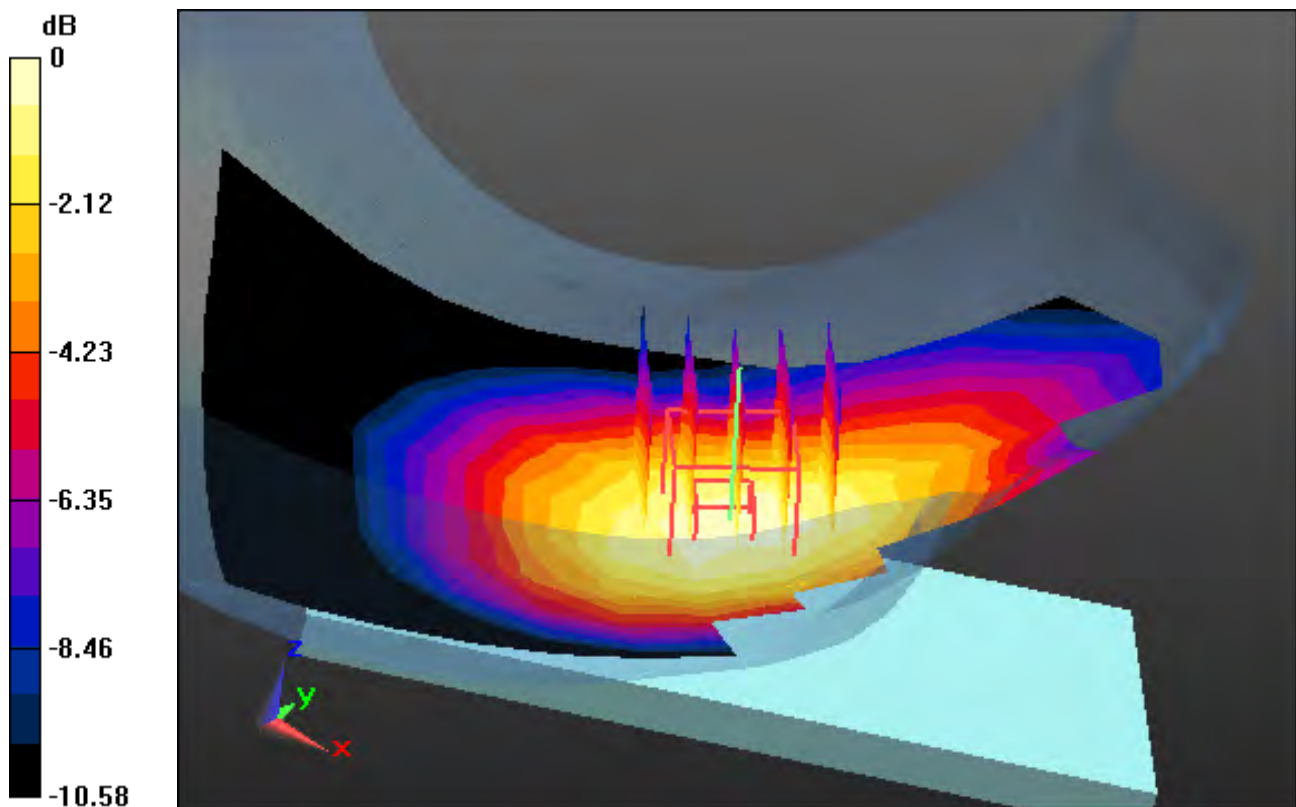
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

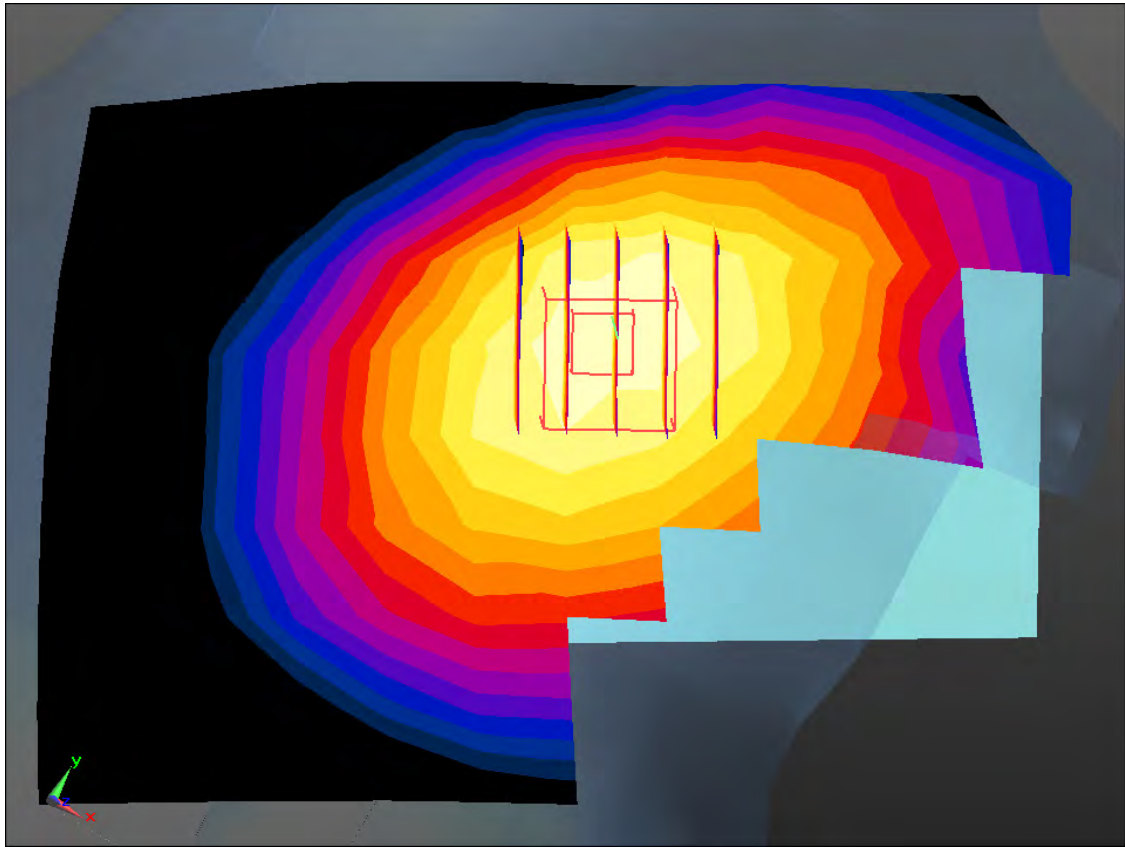
Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.102 W/kg**



0 dB = 0.150 W/kg



Enlarged Plot for A1

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, GSM 850\_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.895 \text{ S/m}$ ;  $\epsilon_r = 40.621$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.5

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

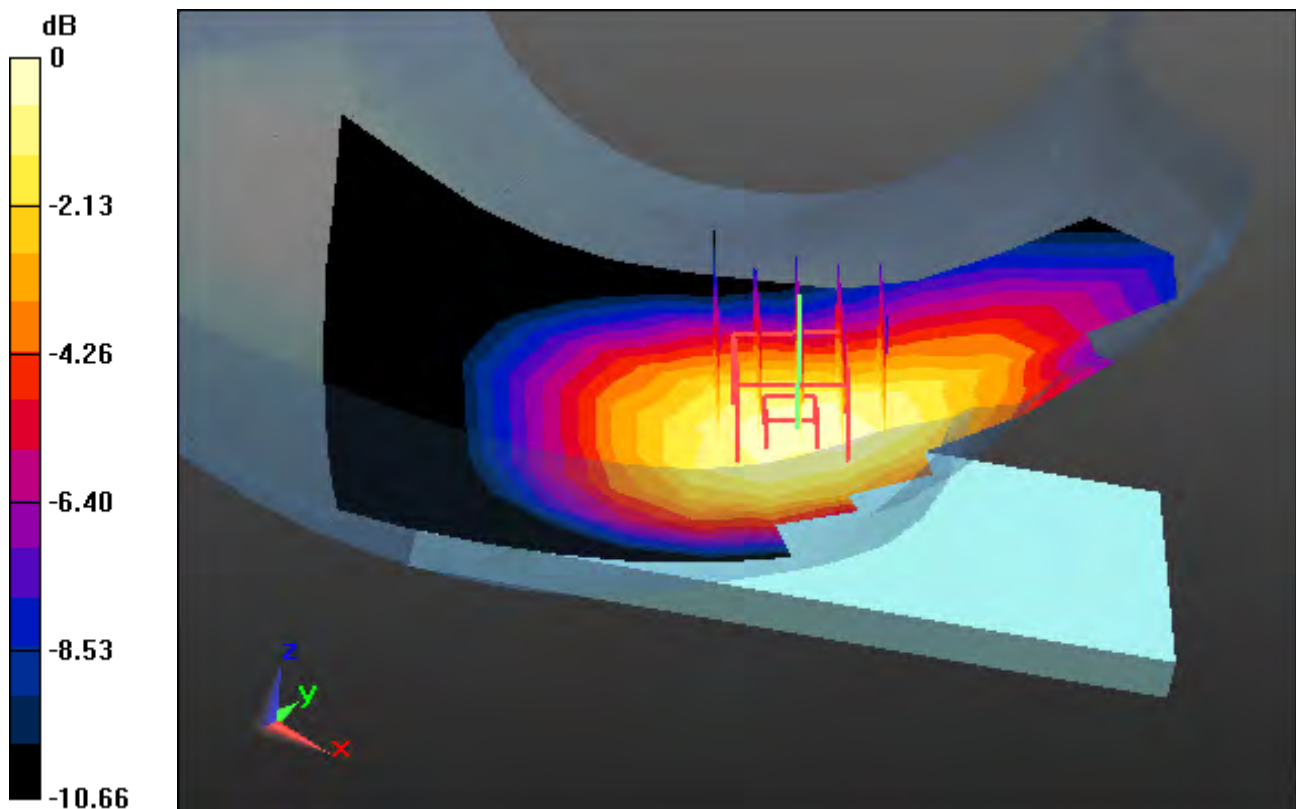
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

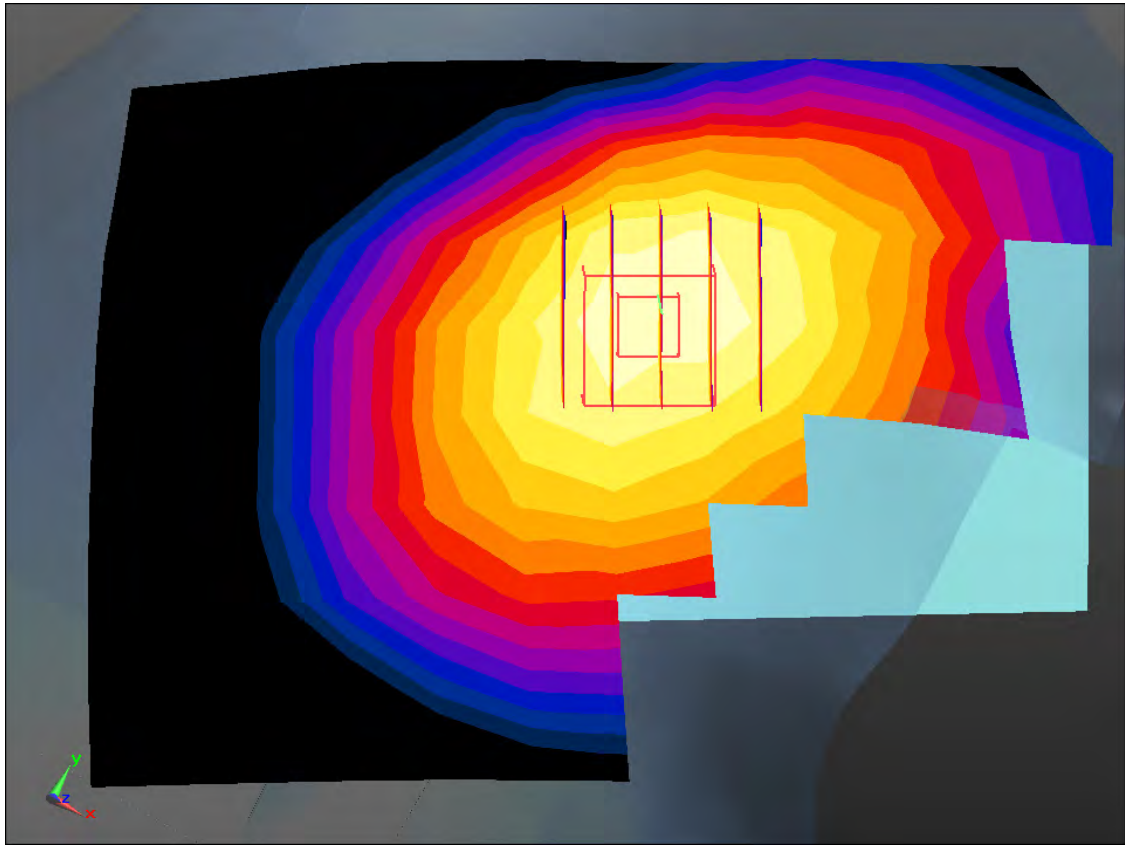
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.339 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.196 W/kg**



0 dB = 0.288 W/kg



Enlarged Plot for A2



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 38.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.7

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

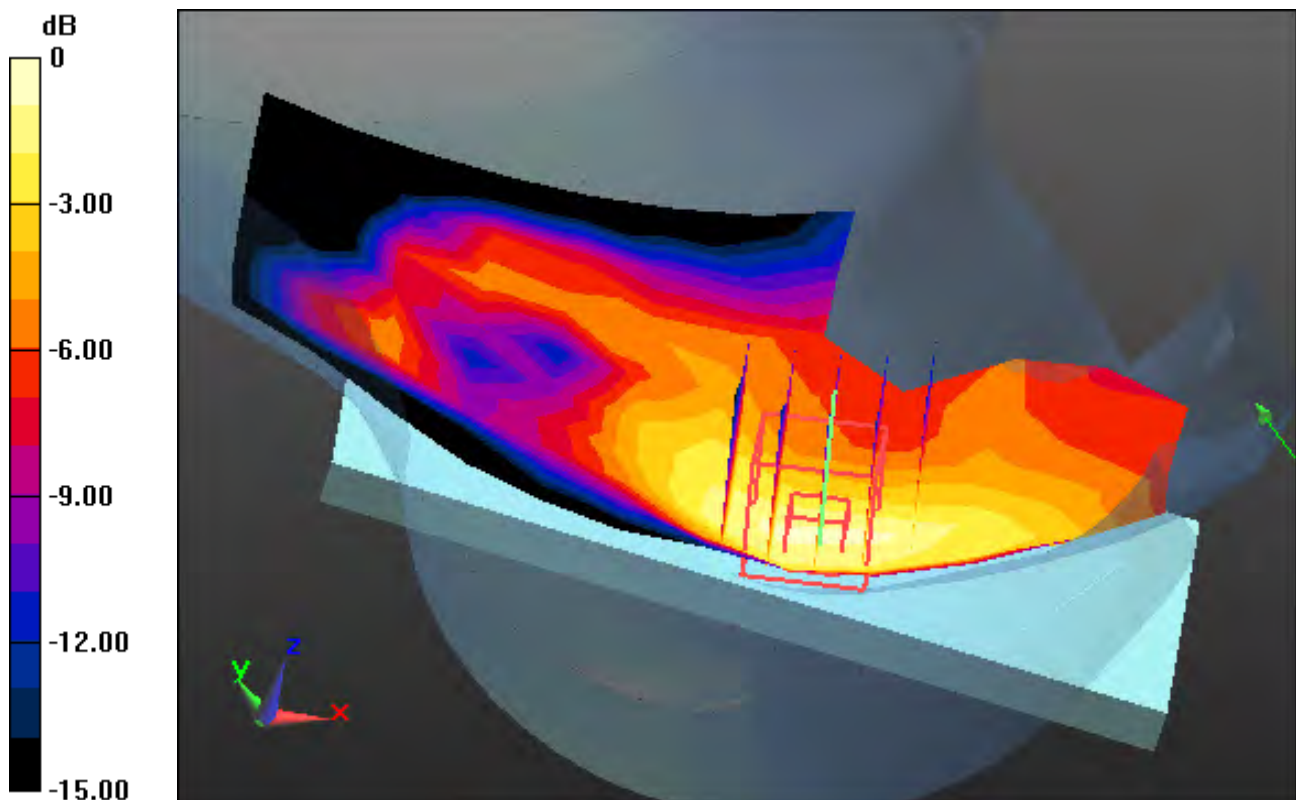
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

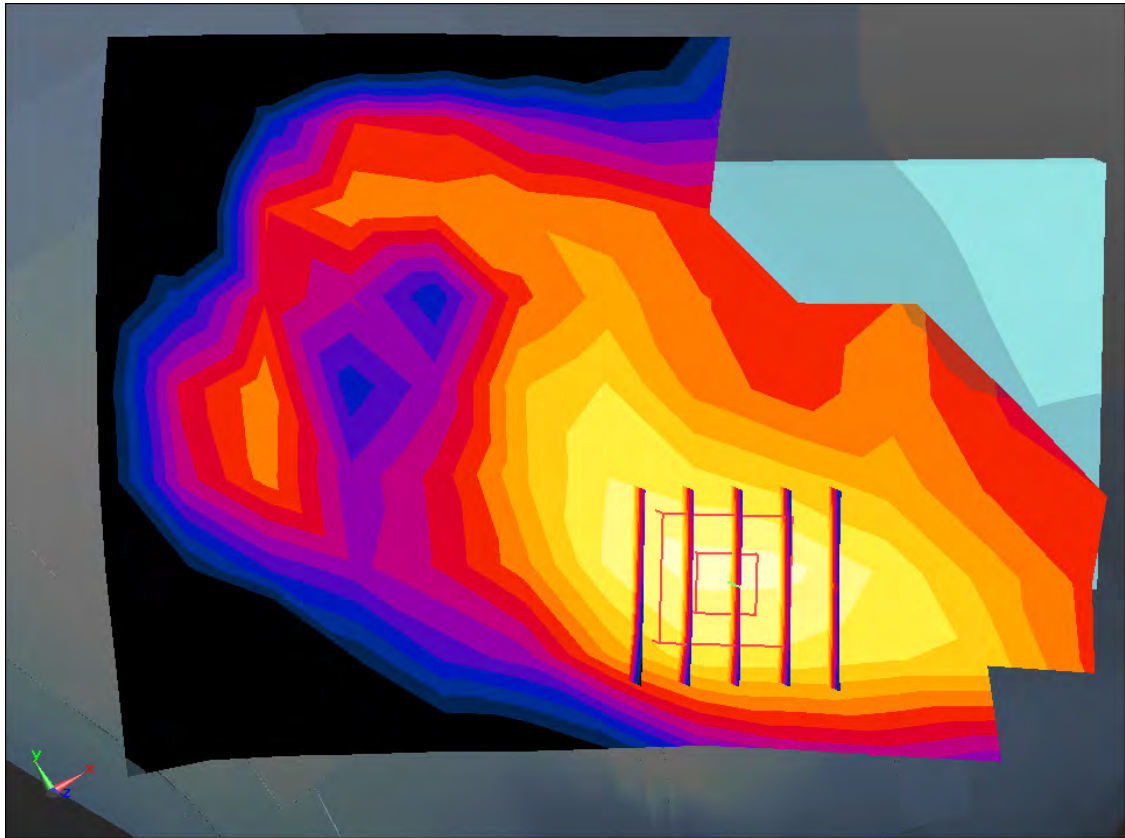
Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.068 W/kg**



0 dB = 0.130 W/kg





Enlarged Plot for A3

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 38.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.7

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

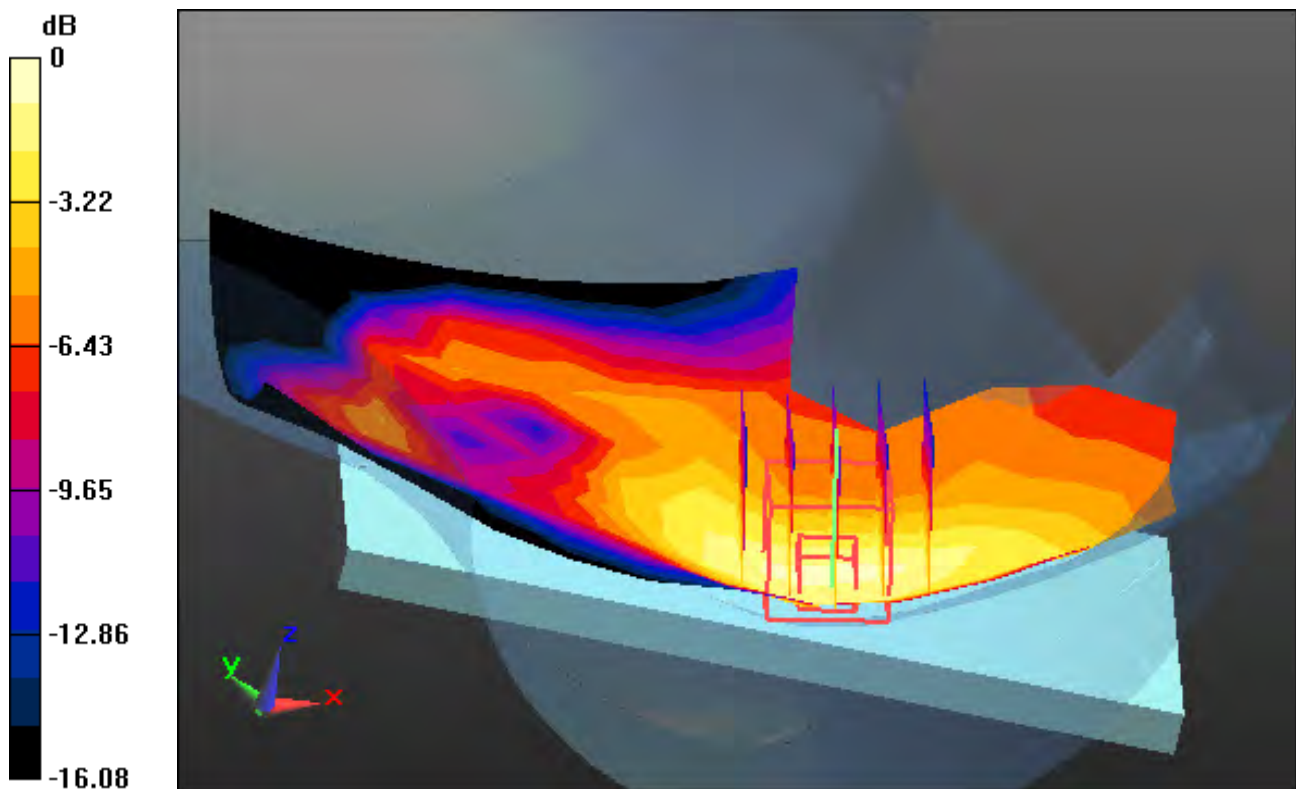
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

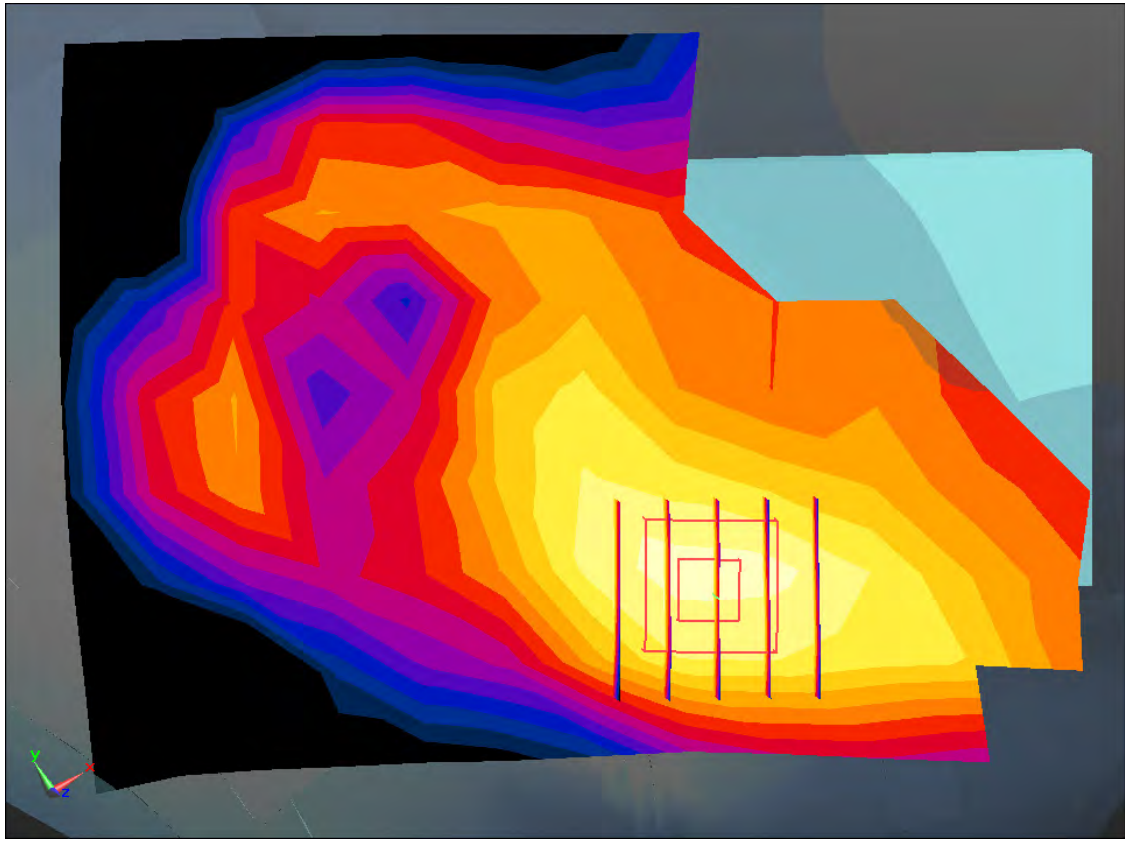
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.241 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.095 W/kg**



0 dB = 0.184 W/kg



Enlarged Plot for A4

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 40.105$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.6

**Left Touch, WCDMA Band 4 Ch. 1412, Ant Internal, Standard Battery**

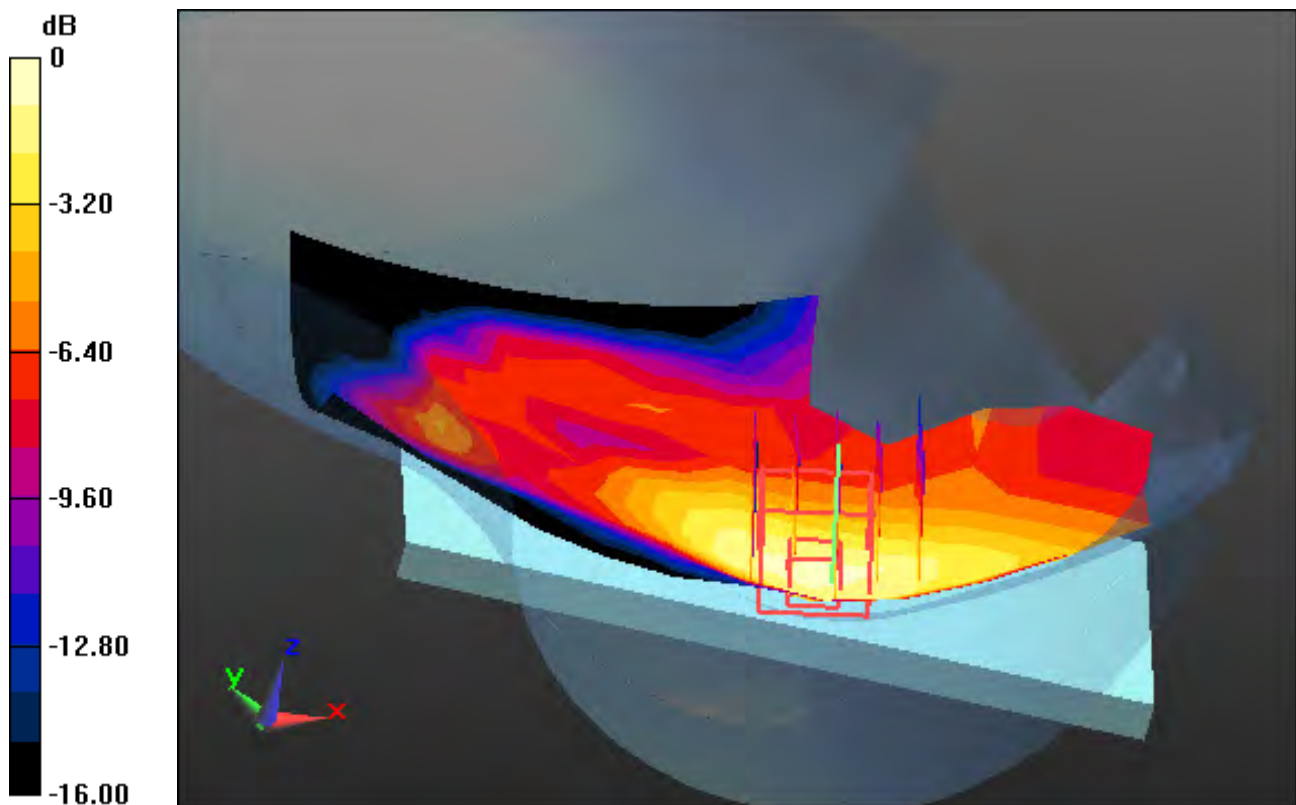
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

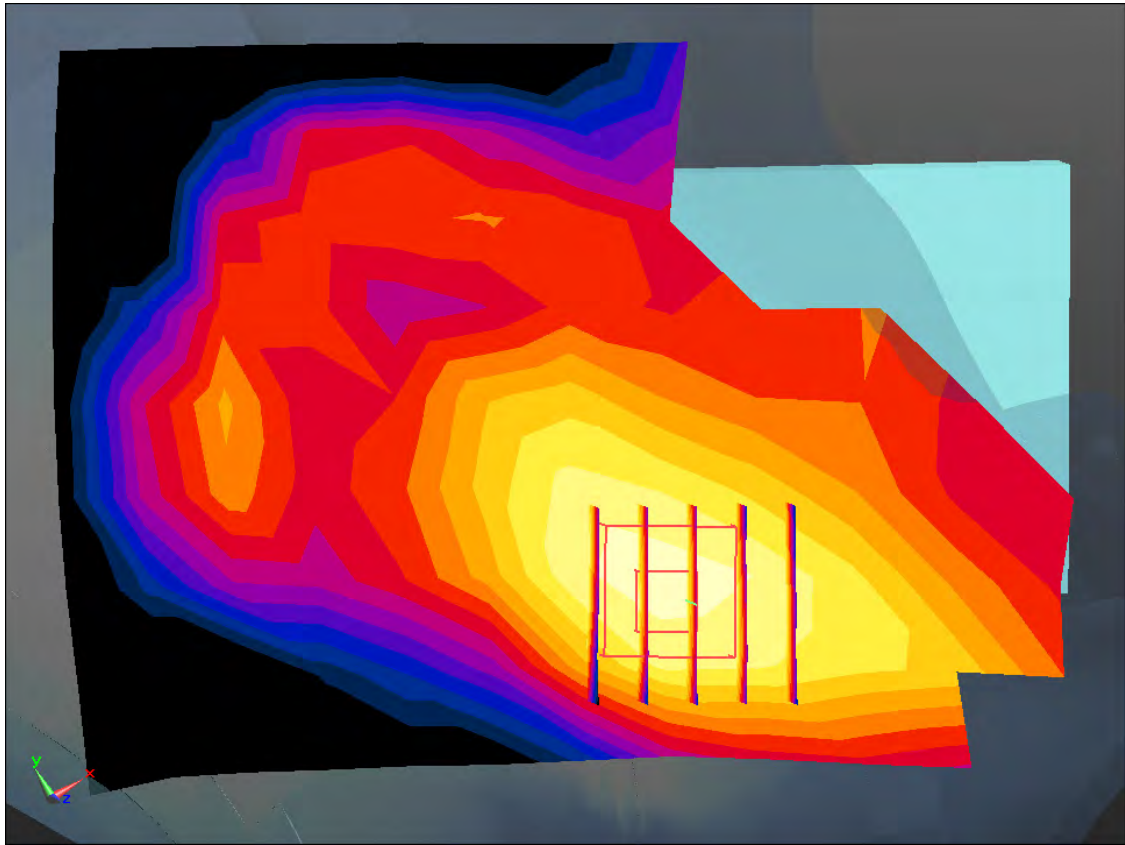
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.098 W/kg**



0 dB = 0.180 W/kg



Enlarged Plot for A5



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.412$  S/m;  $\epsilon_r = 39.093$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.5

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

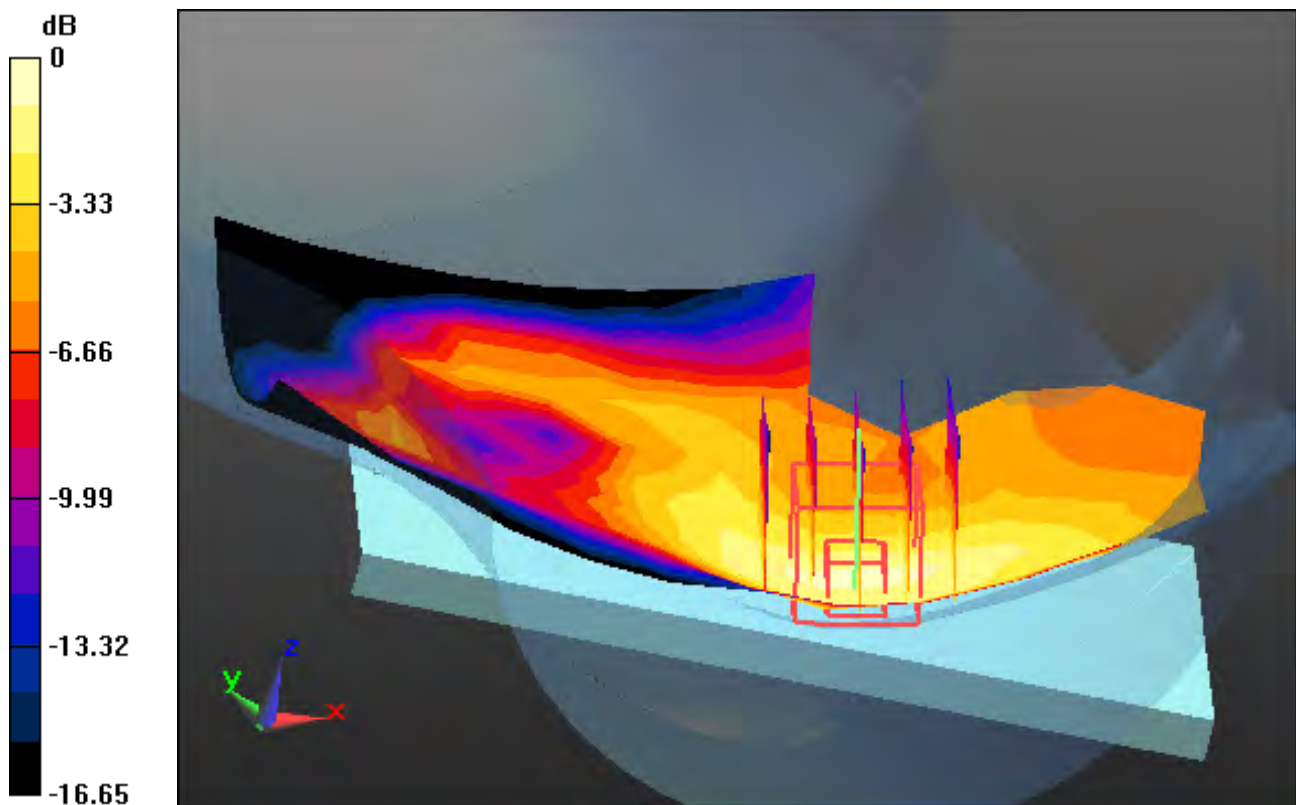
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

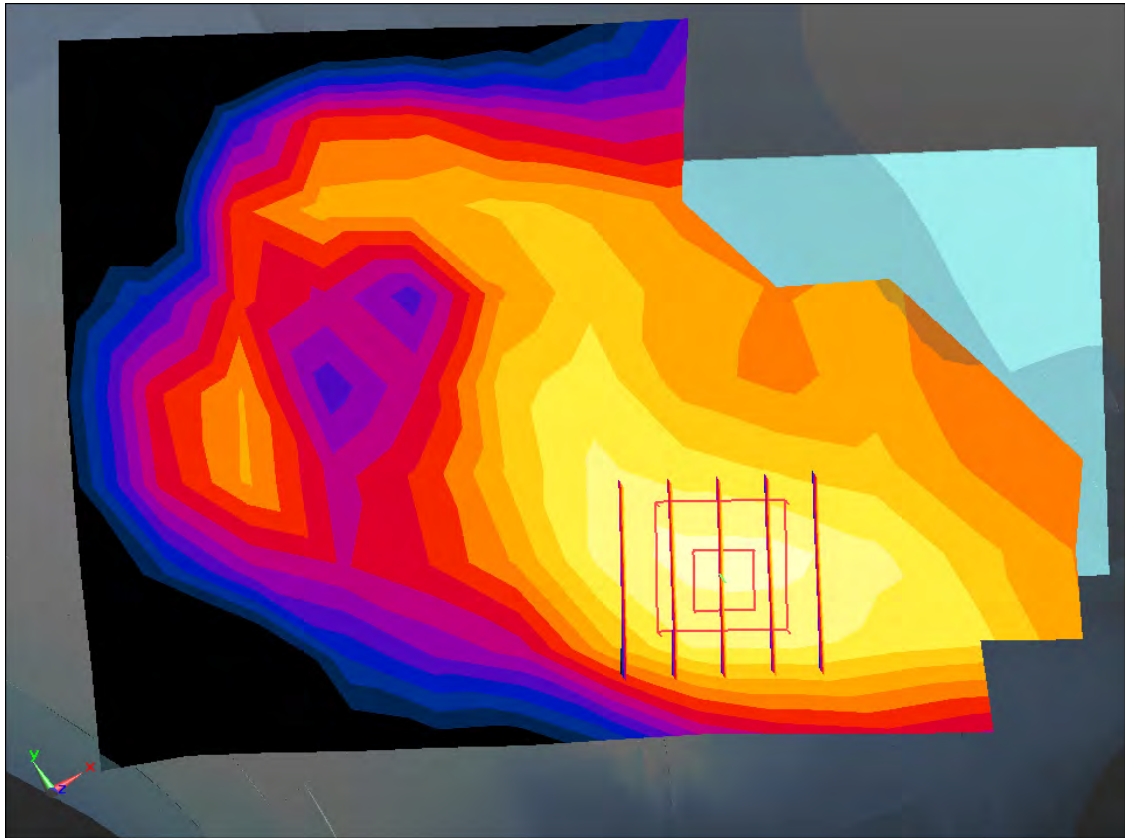
Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.203 W/kg

**SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.081 W/kg**



0 dB = 0.156 W/kg



Enlarged Plot for A6



# DT&C Co., Ltd.

**DUT: KX1801; 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;  $\sigma = 0.864$  S/m;  $\epsilon_r = 41.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.4

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

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

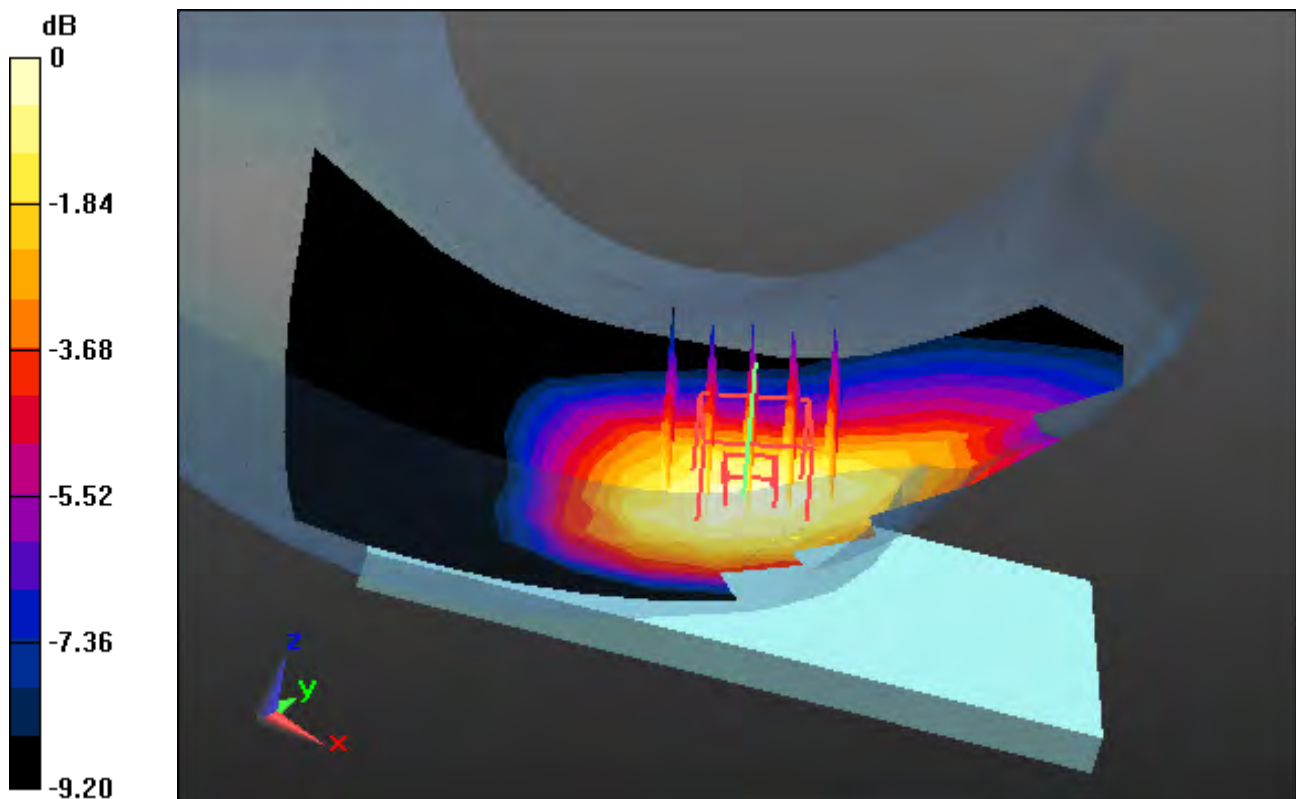
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

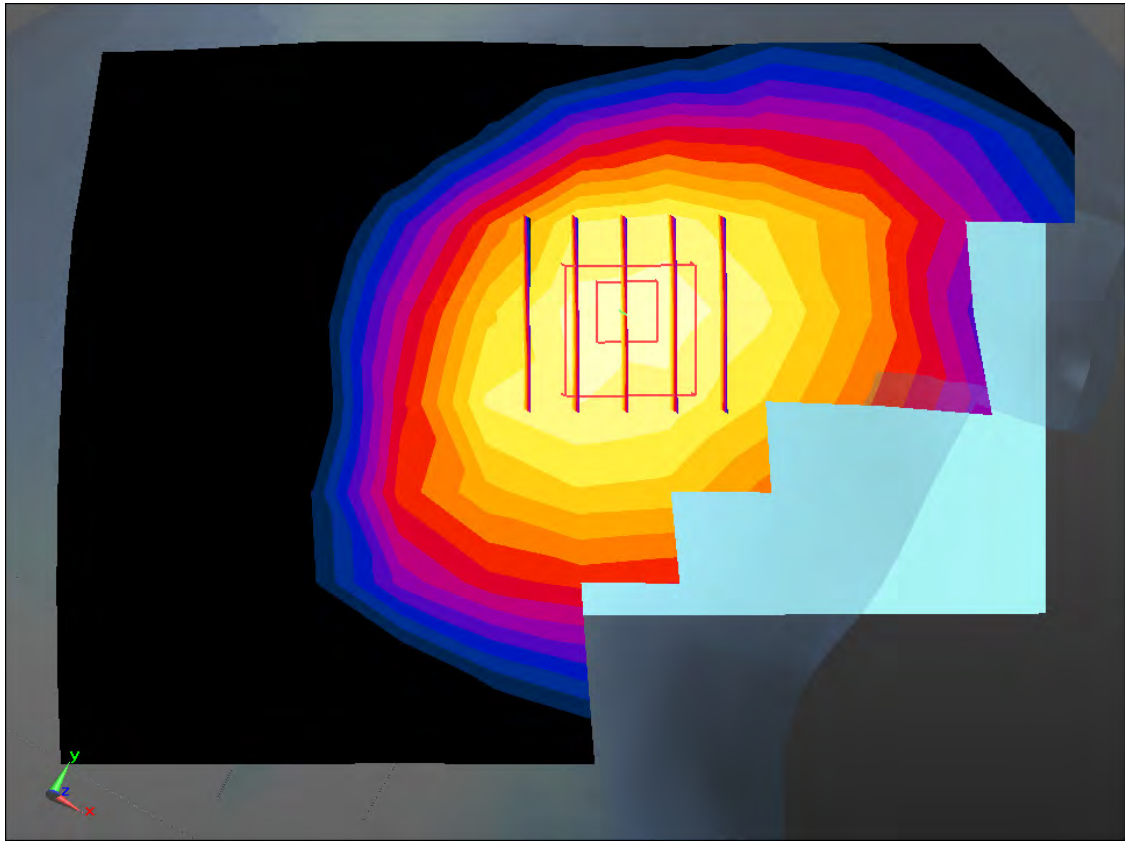
Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.182 W/kg

**SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.113 W/kg**



0 dB = 0.161 W/kg



Enlarged Plot for A7

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 40.561$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.6

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

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

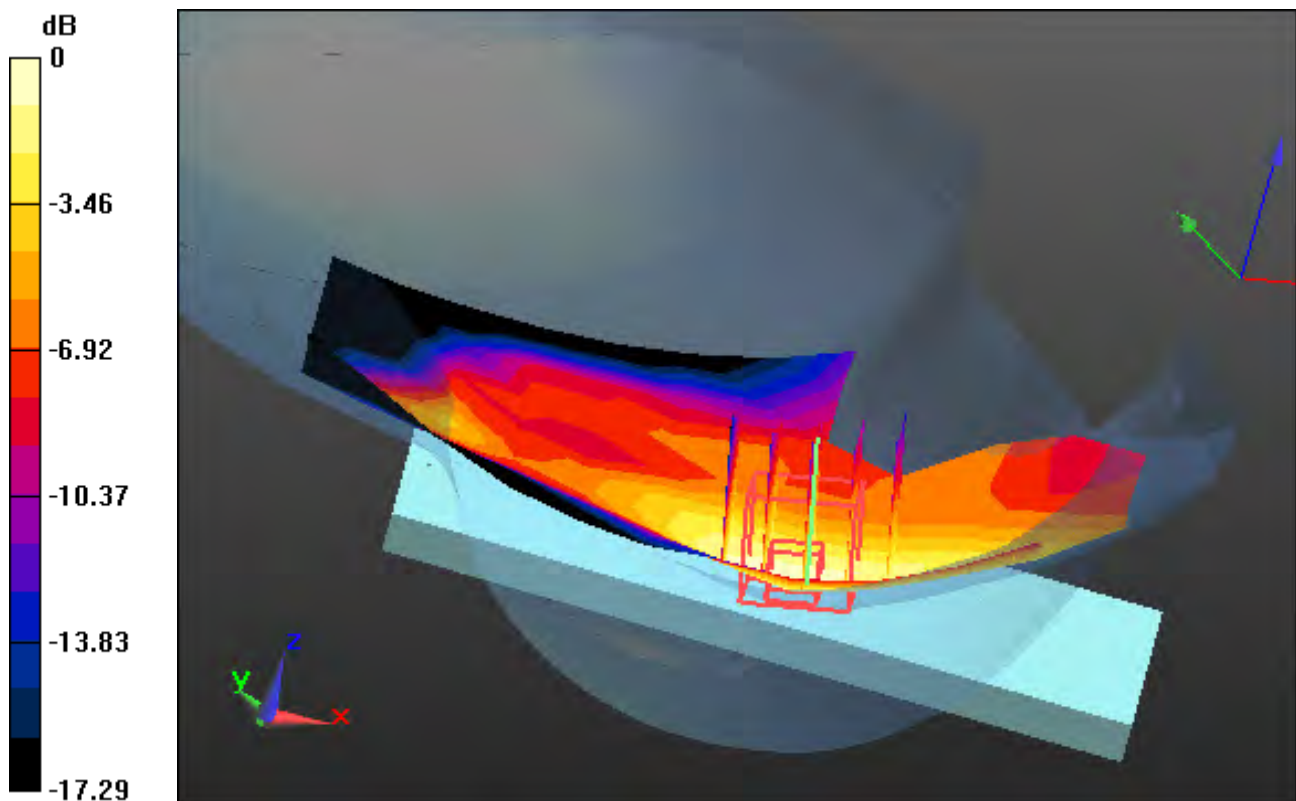
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

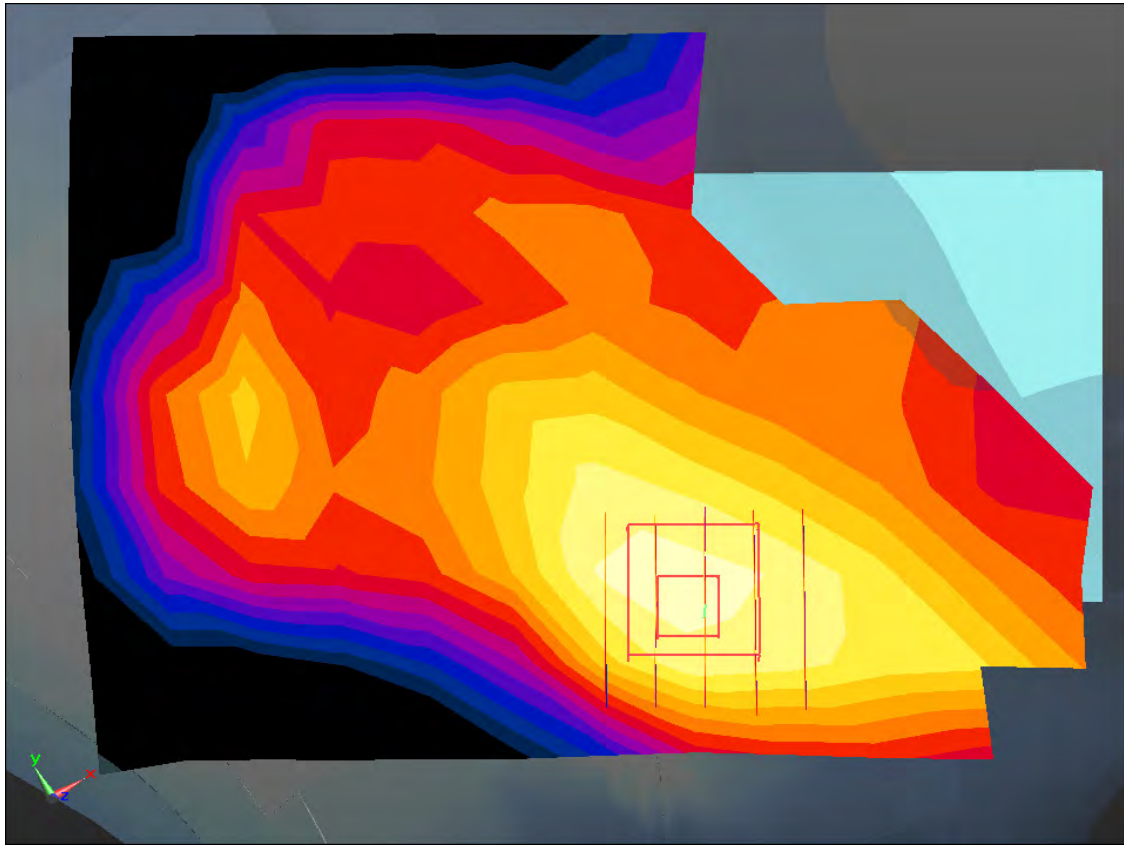
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.298 W/kg

**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.125 W/kg**



0 dB = 0.230 W/kg



Enlarged Plot for A8

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.433$  S/m;  $\epsilon_r = 39.168$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.3

**Left Touch, LTE Band 2 Ch. 19100, Ant Internal, Standard Battery**

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

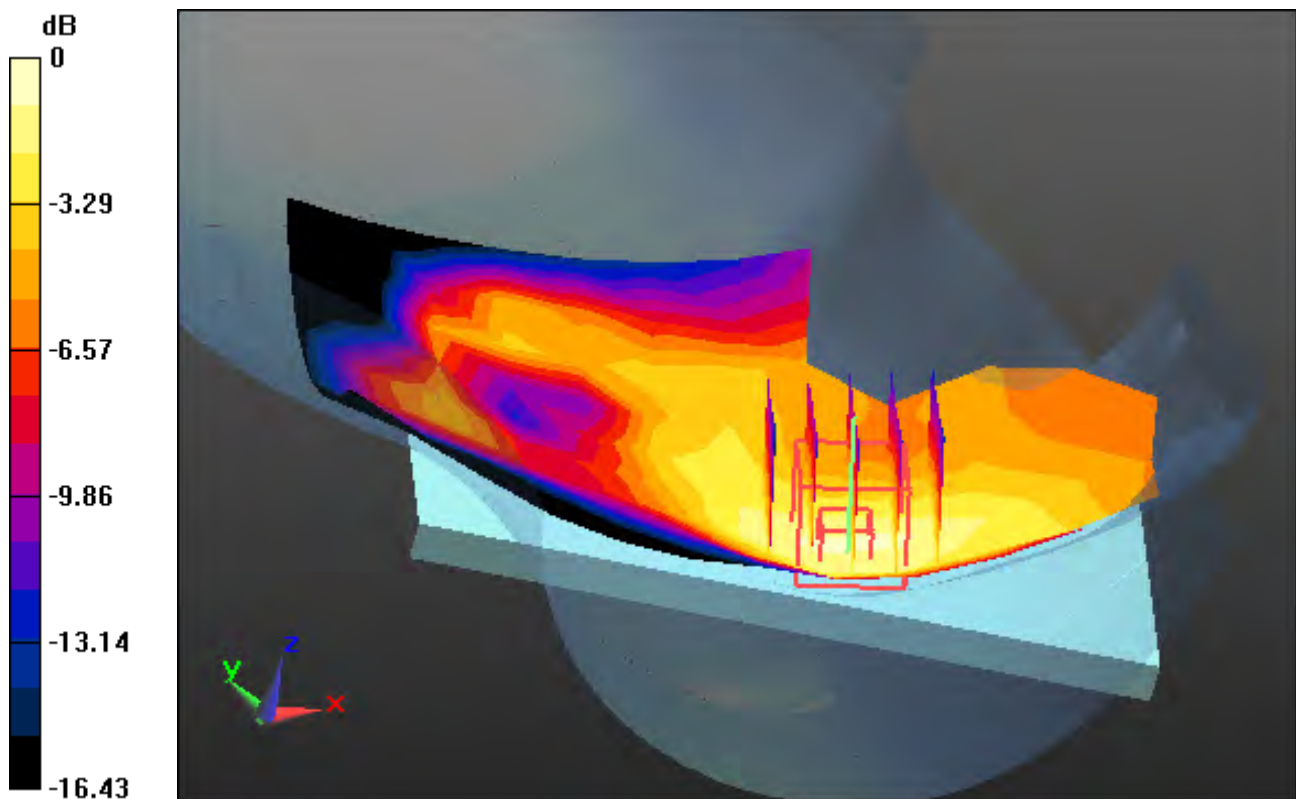
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

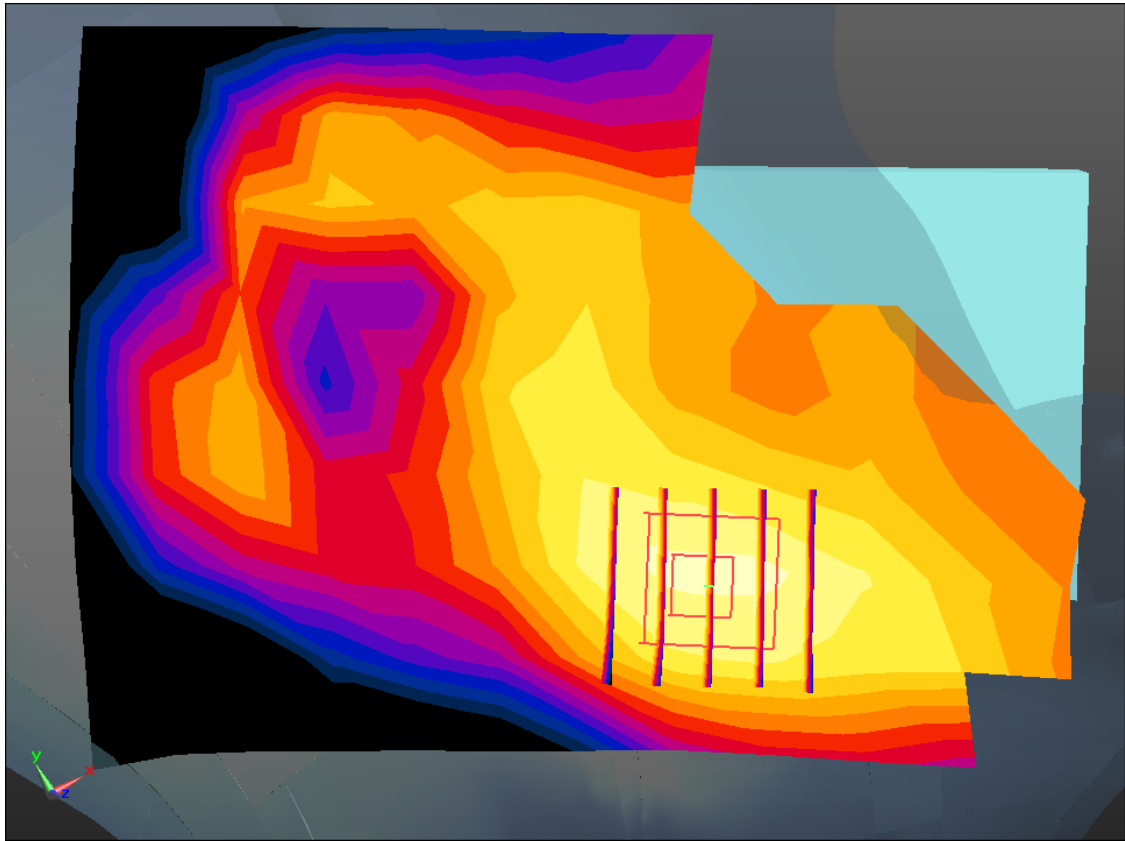
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.219 W/kg

**SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.090 W/kg**



0 dB = 0.169 W/kg



Enlarged Plot for A9



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.766$  S/m;  $\epsilon_r = 40.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

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

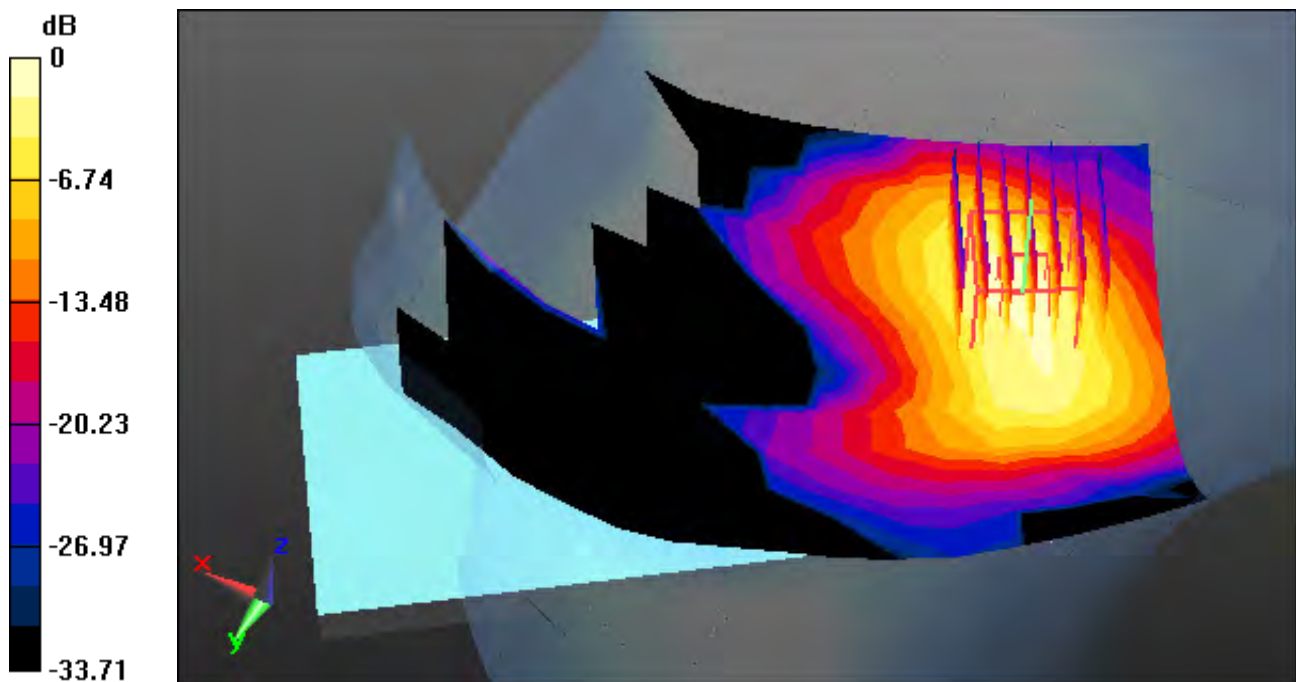
**Area Scan (11x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.10 dB

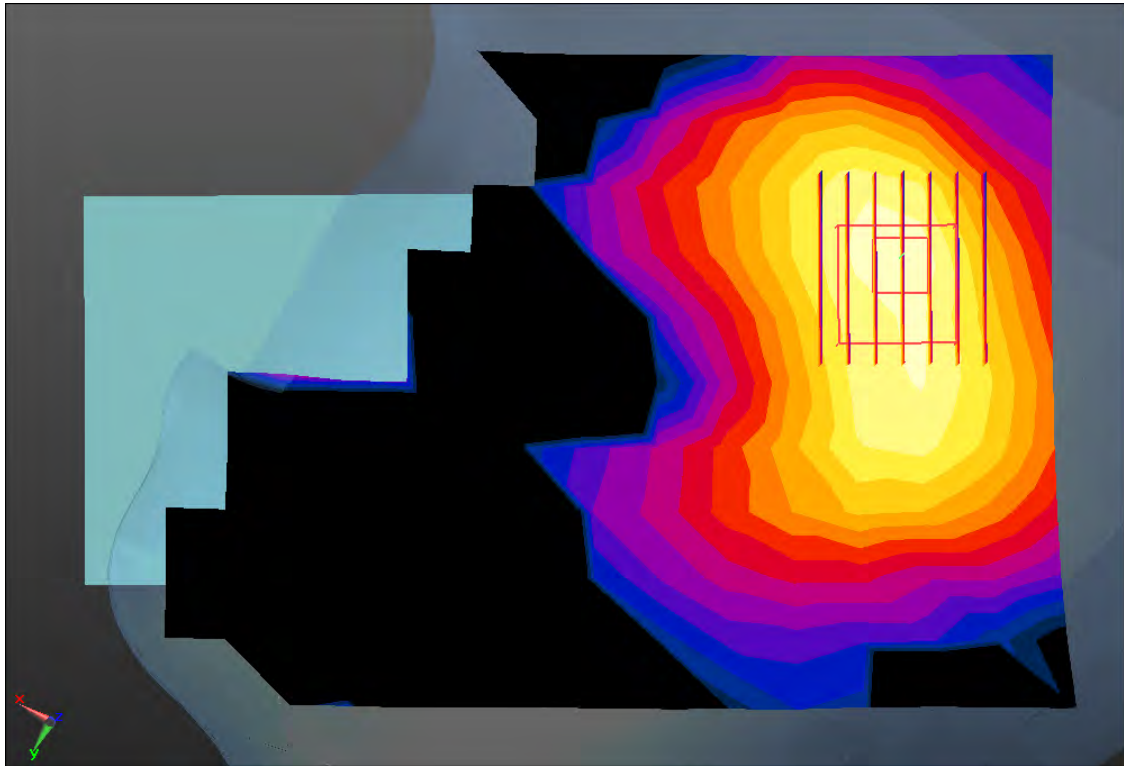
Peak SAR (extrapolated) = 0.788 W/kg

**SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.143 W/kg**



0 dB = 0.528 W/kg





Enlarged Plot for A10

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.766$  S/m;  $\epsilon_r = 40.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

**Right Touch, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Standard Battery, Ant.2**

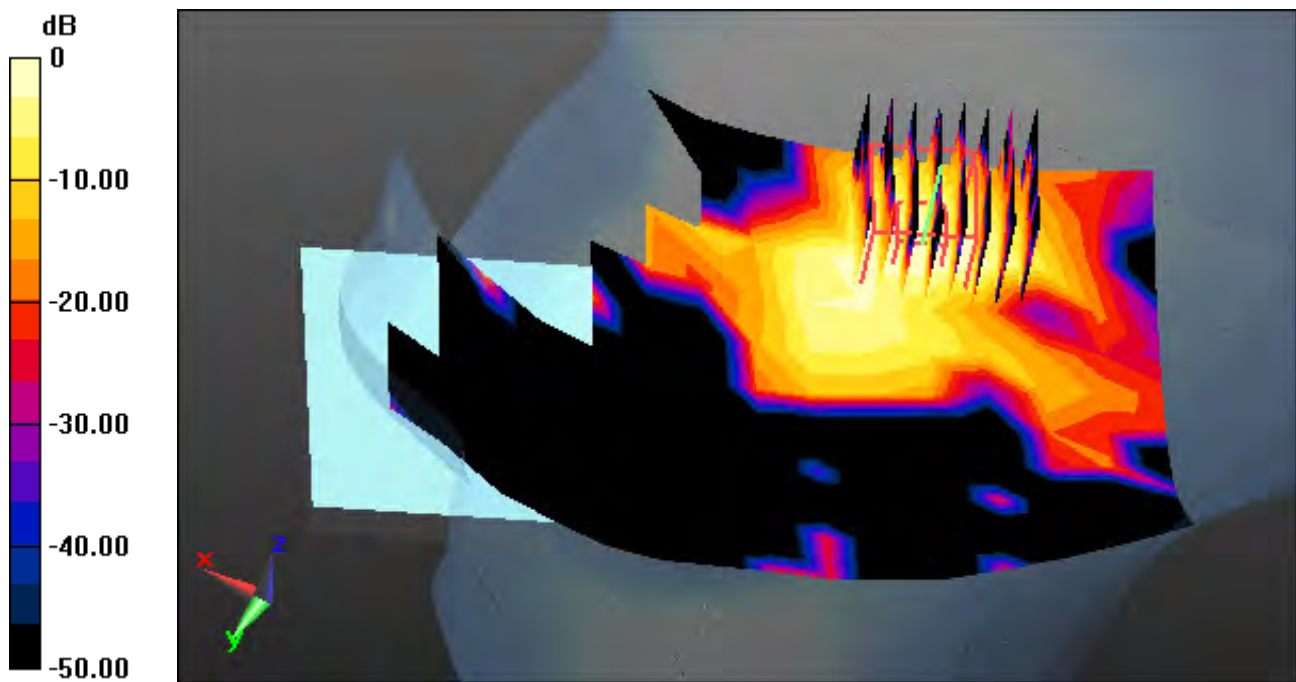
**Area Scan (11x16x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

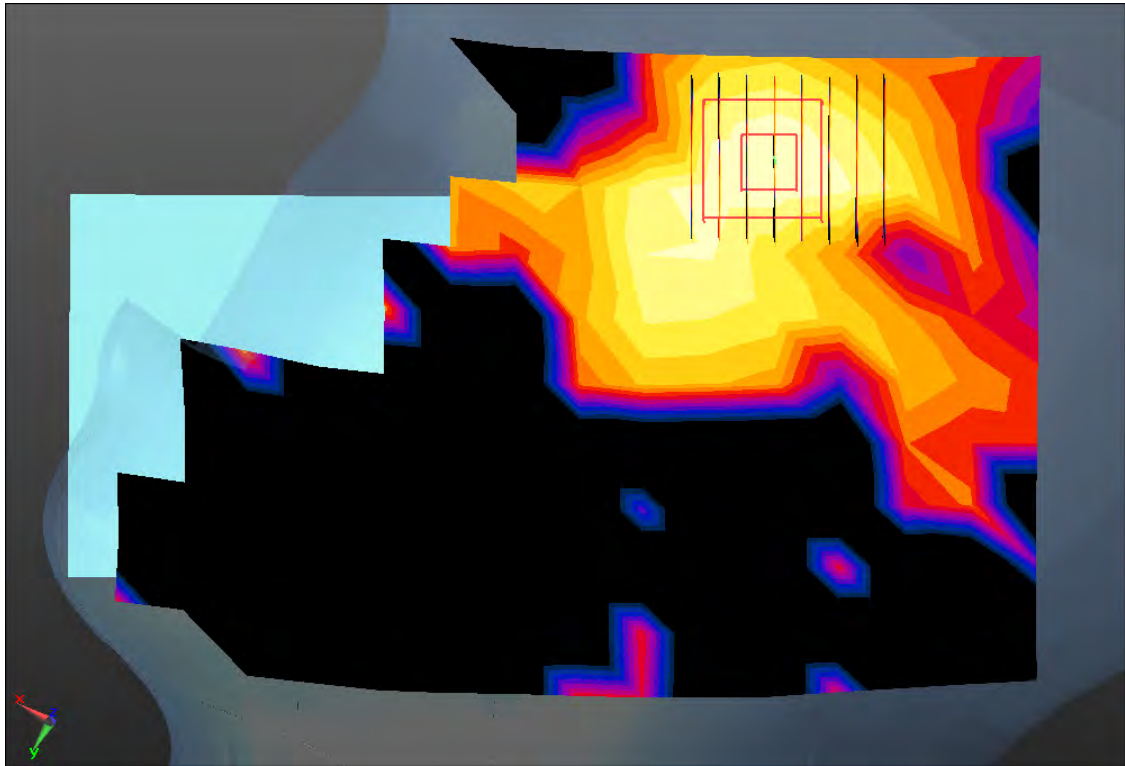
Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.130 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.019 W/kg**



0 dB = 0.0928 W/kg



Enlarged Plot for A11

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.739$  S/m;  $\epsilon_r = 40.38$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

**Left Tilt, W-LAN(802.11g - 2.4G) Ch. 6, Ant Internal, Standard Battery, MIMO**

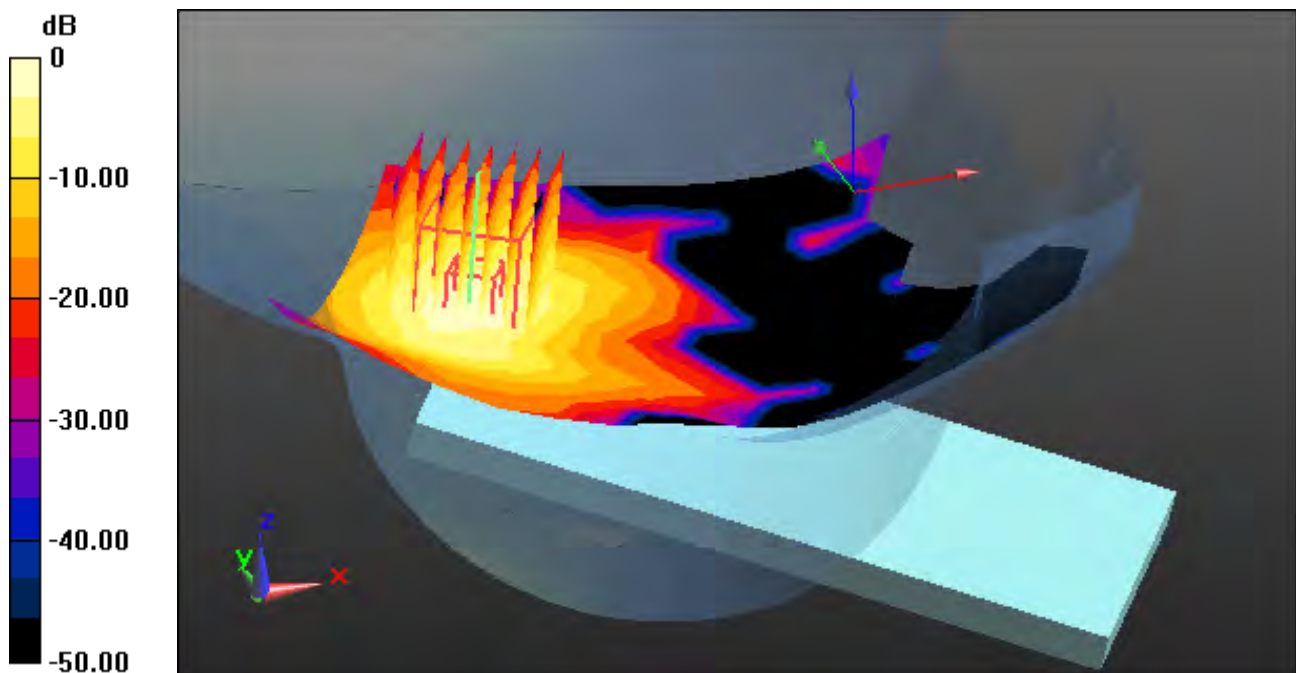
**Area Scan (11x16x1):** Measurement grid: dx=12mm, dy=12mm

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

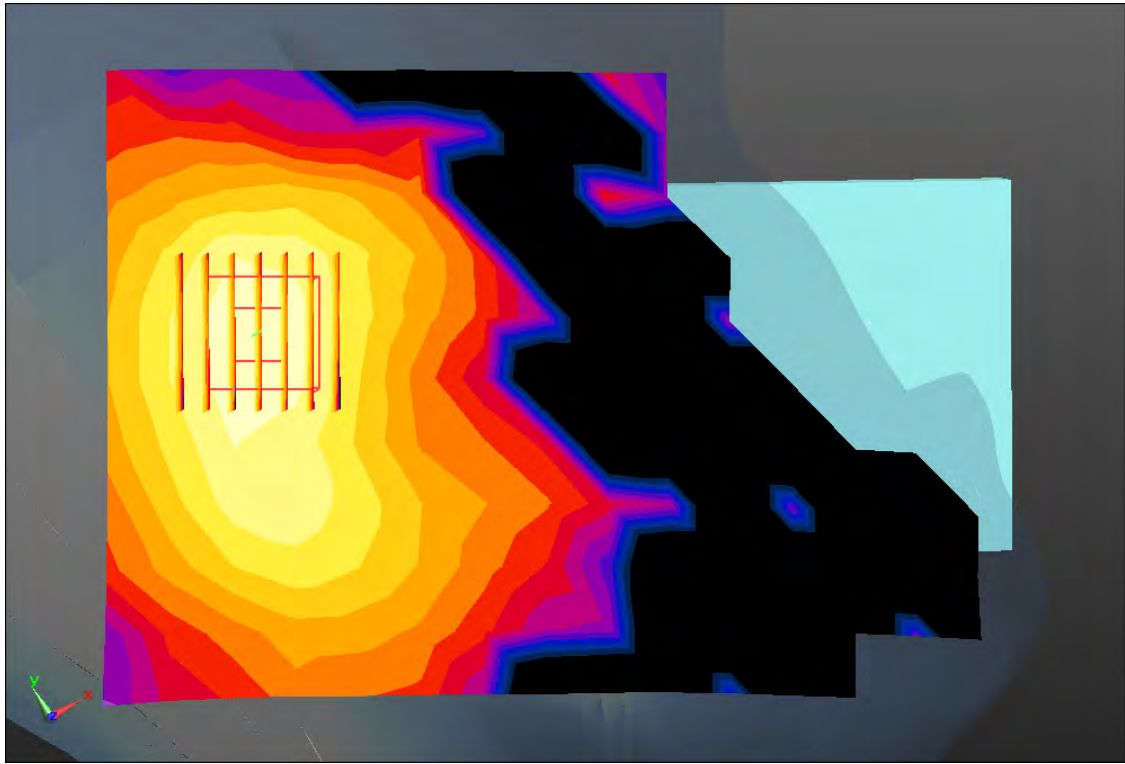
Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.585 W/kg

**SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.127 W/kg**



0 dB = 0.414 W/kg



Enlarged Plot for A12

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.789$  S/m;  $\epsilon_r = 35.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

**Right Touch, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Standard Battery, Ant.1**

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

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

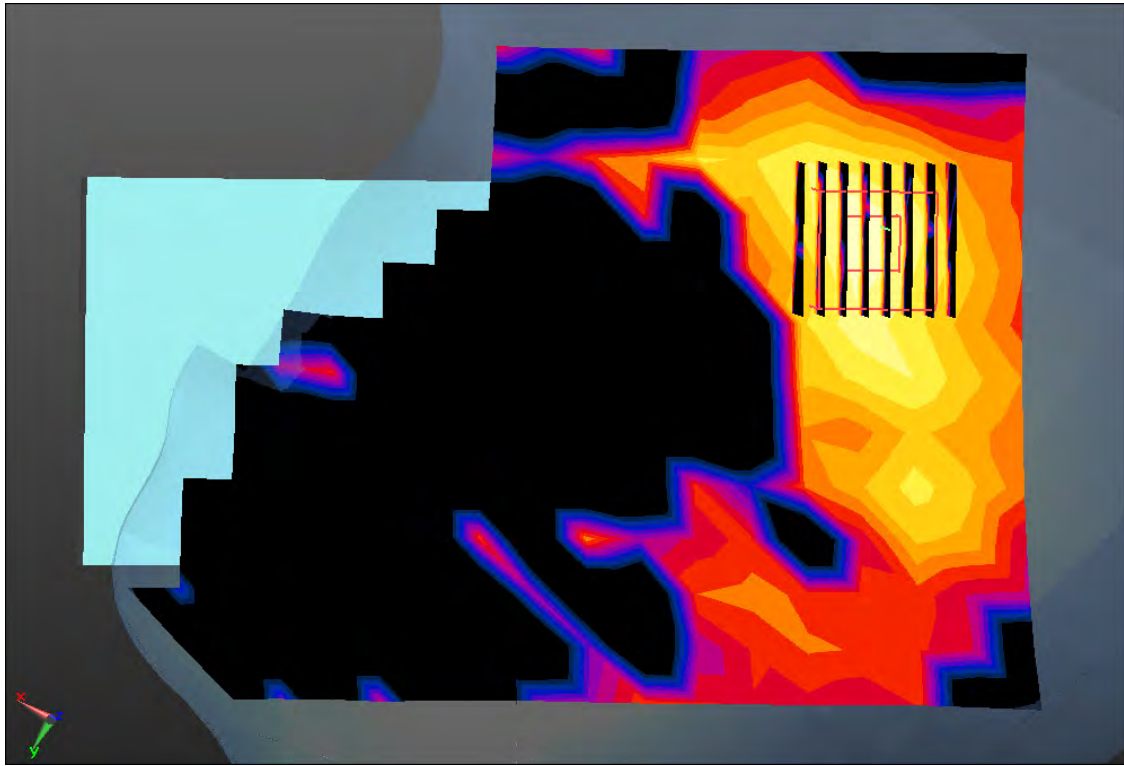
Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.069 W/kg**







Enlarged Plot for A13



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.789$  S/m;  $\epsilon_r = 35.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

**Right Touch, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Standard Battery, Ant.2**

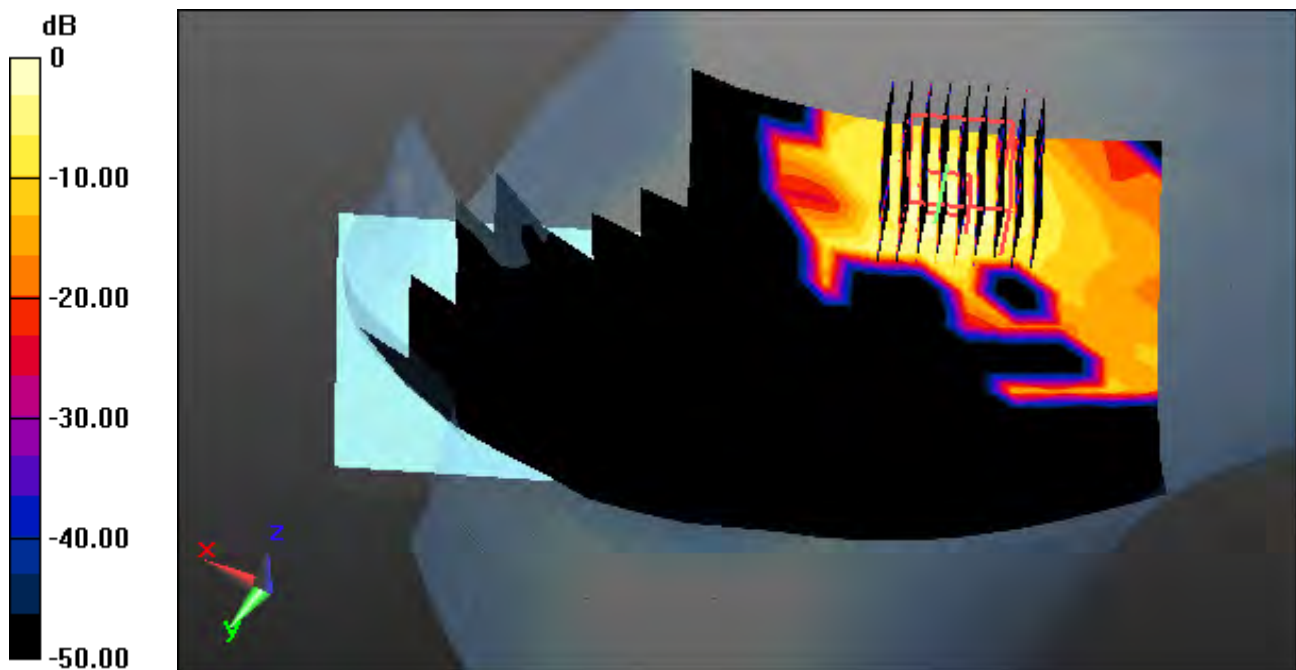
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

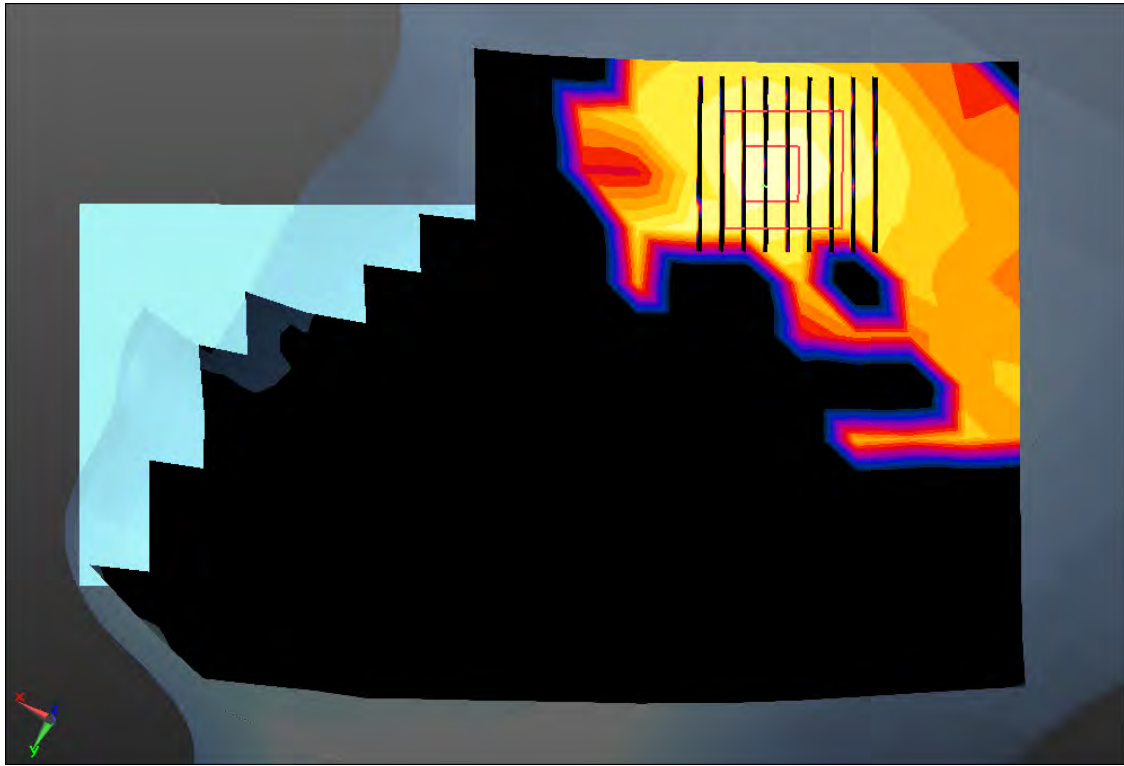
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.252 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.015 W/kg**



0 dB = 0.153 W/kg



Enlarged Plot for A14

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.789$  S/m;  $\epsilon_r = 35.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

**Right Touch, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Standard Battery, MIMO**

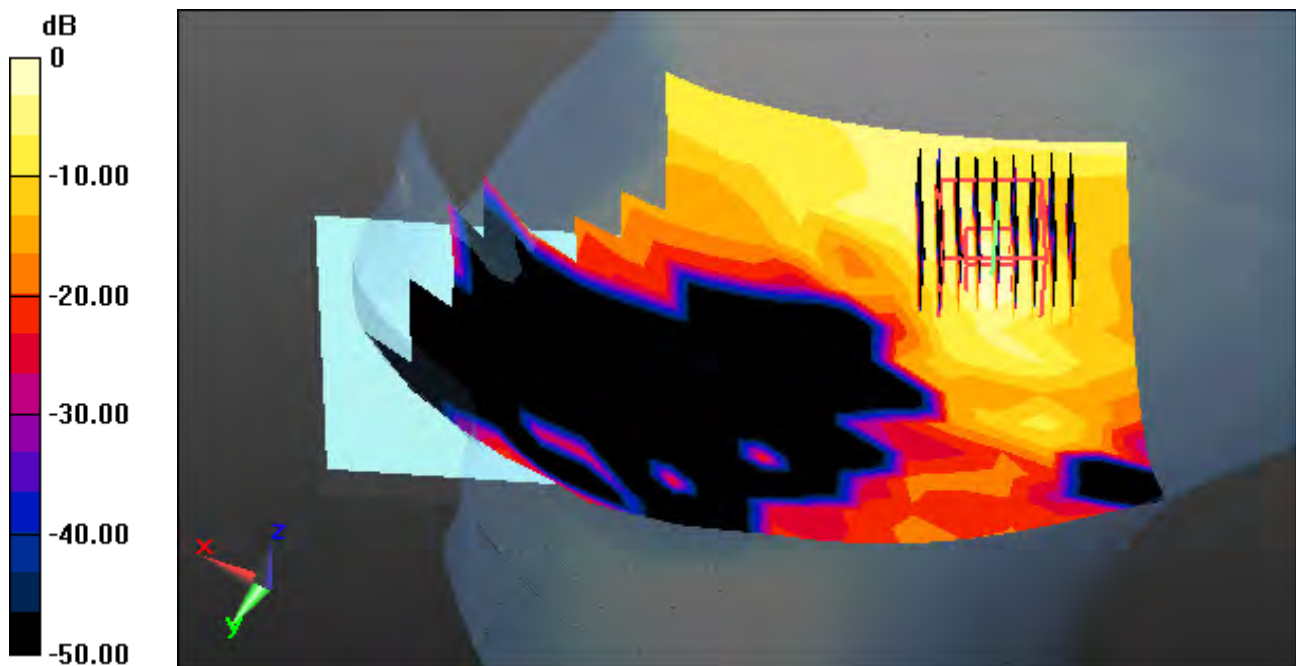
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

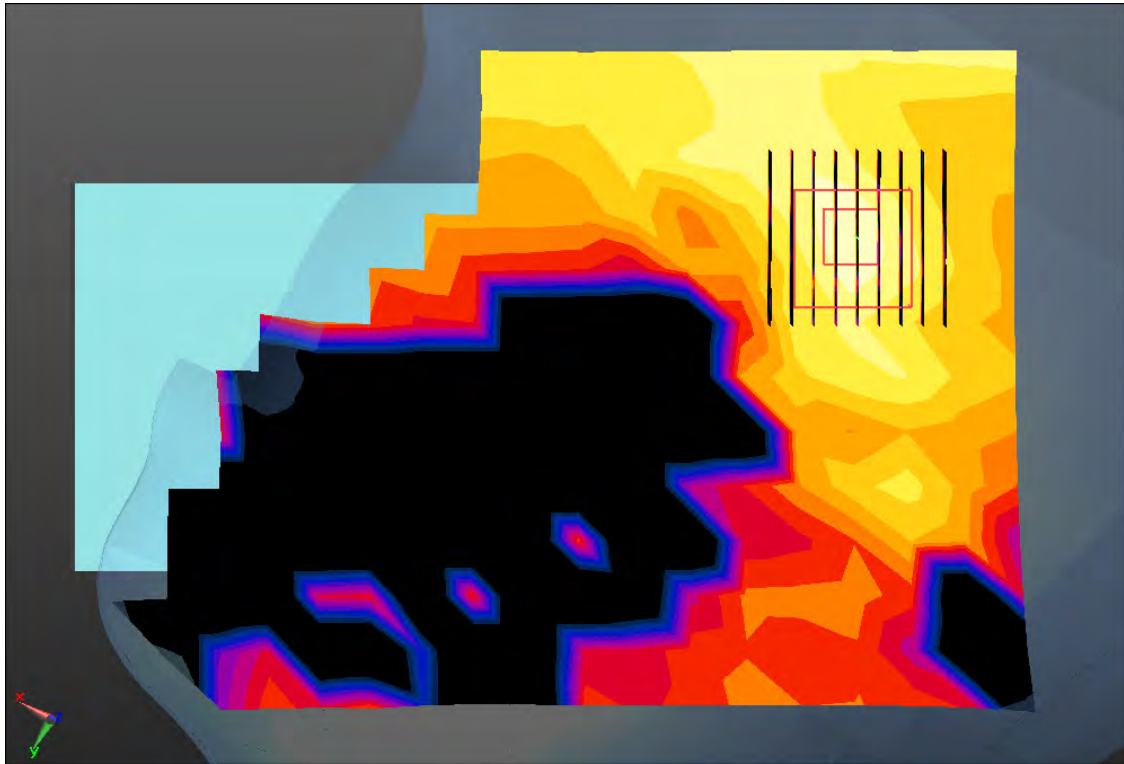
Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.067 W/kg**



0 dB = 0.731 W/kg



Enlarged Plot for A15

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.209$  S/m;  $\epsilon_r = 34.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

**Right Touch, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, Ant.1**

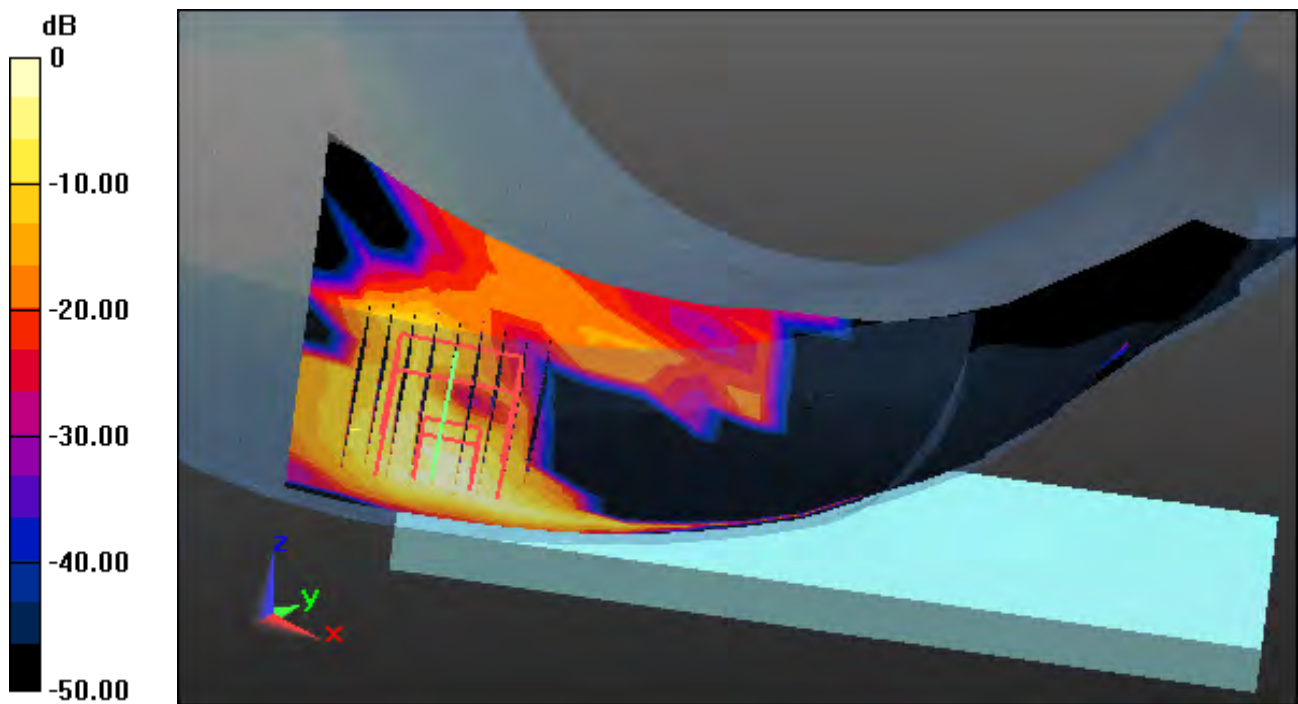
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

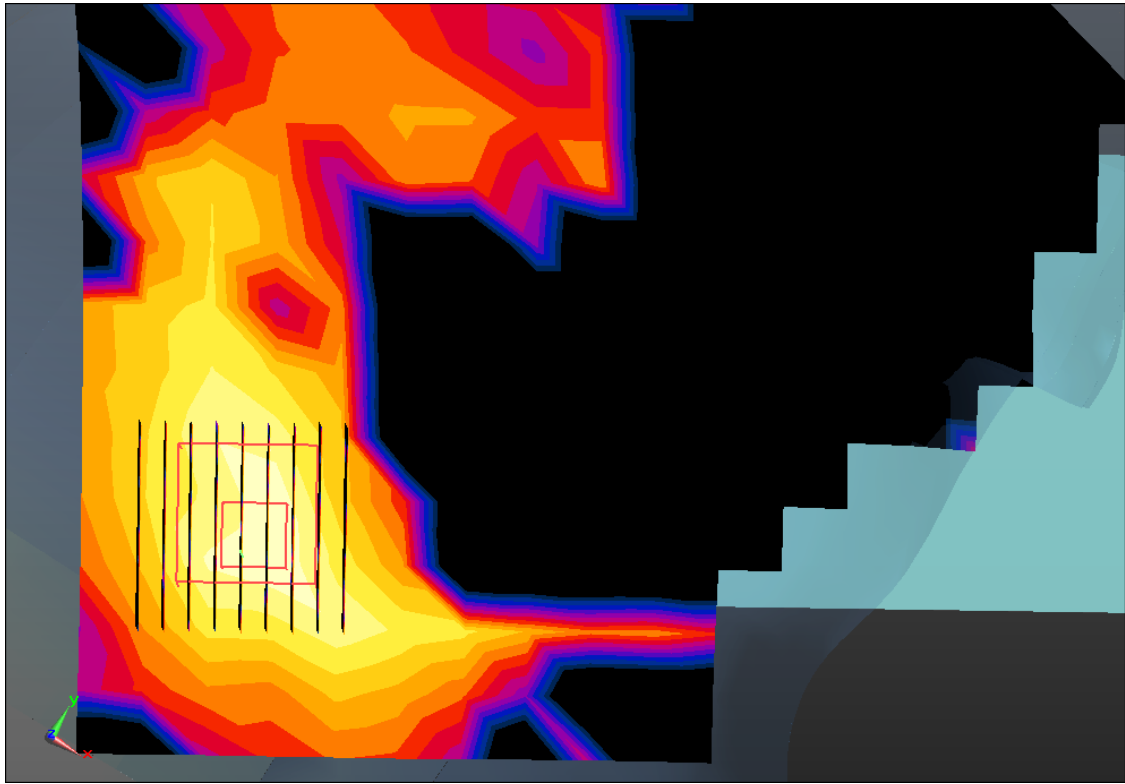
Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.15 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.127 W/kg**



0 dB = 1.14 W/kg



Enlarged Plot for A16

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.209$  S/m;  $\epsilon_r = 34.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

**Right Touch, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, Ant.2**

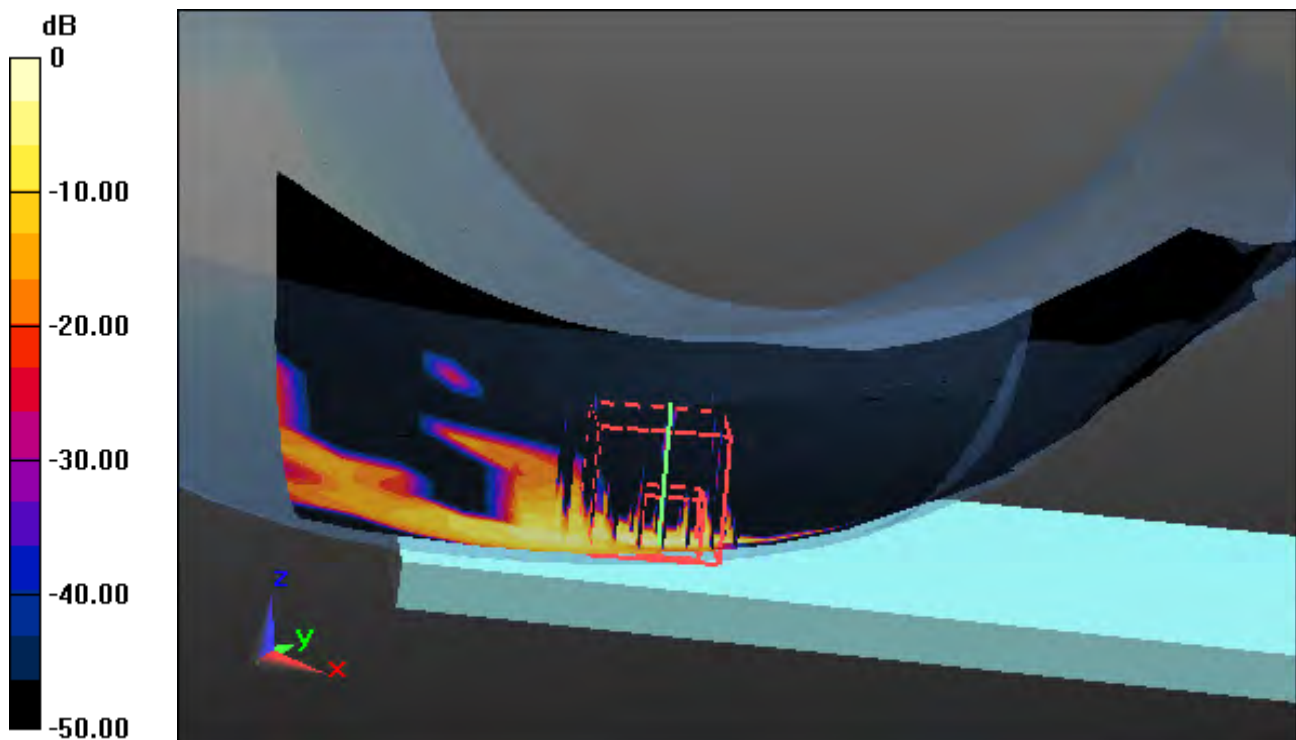
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.00 dB

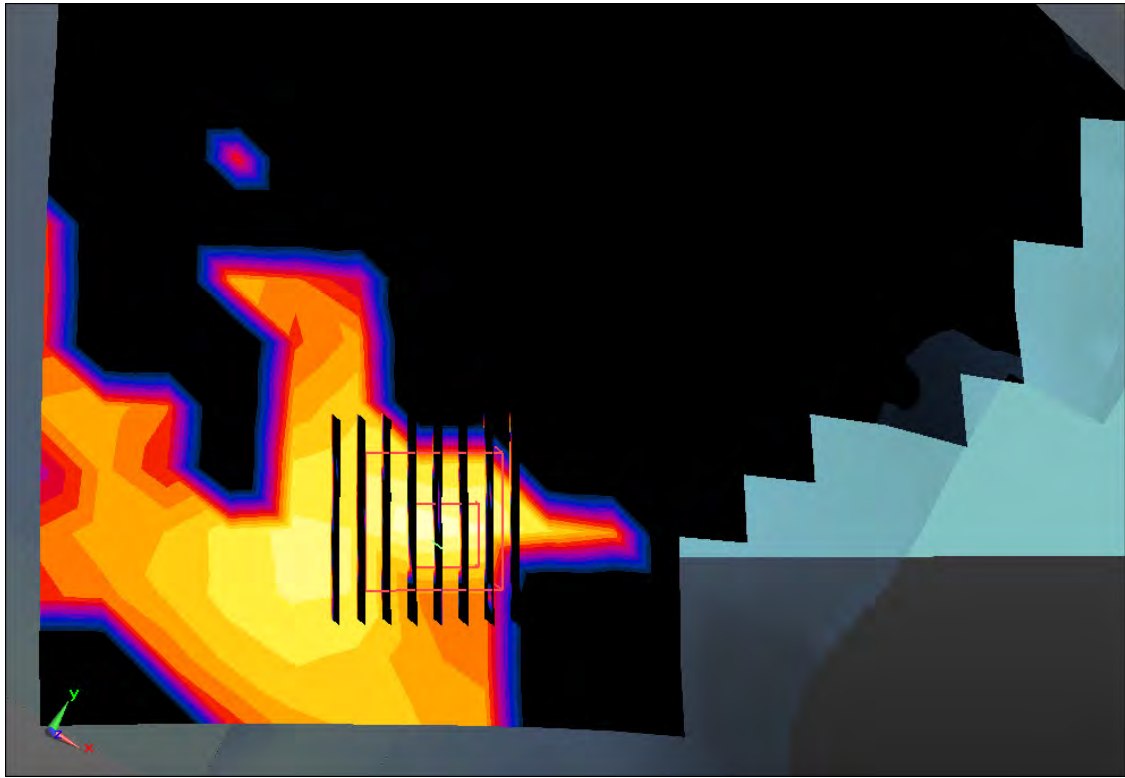
Peak SAR (extrapolated) = 0.561 W/kg

**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.013 W/kg**



0 dB = 0.306 W/kg





Enlarged Plot for A17

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.209$  S/m;  $\epsilon_r = 34.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

**Right Tilt, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, MIMO**

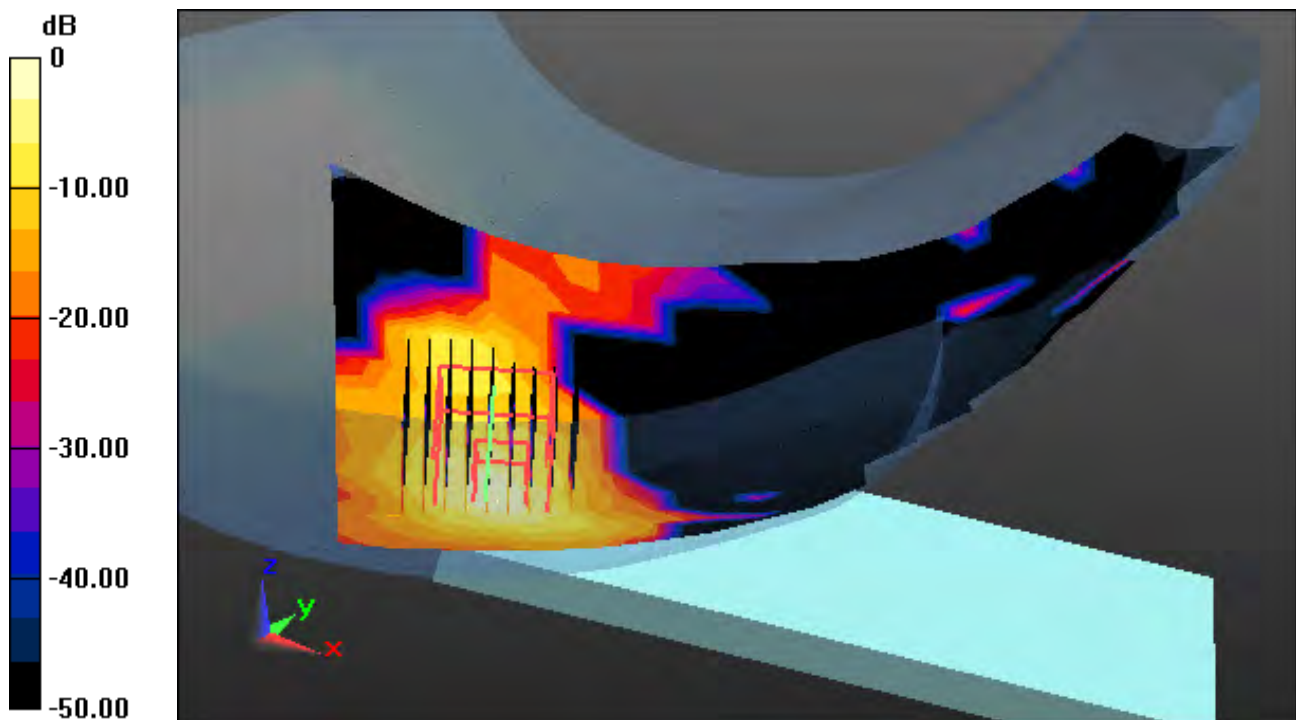
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

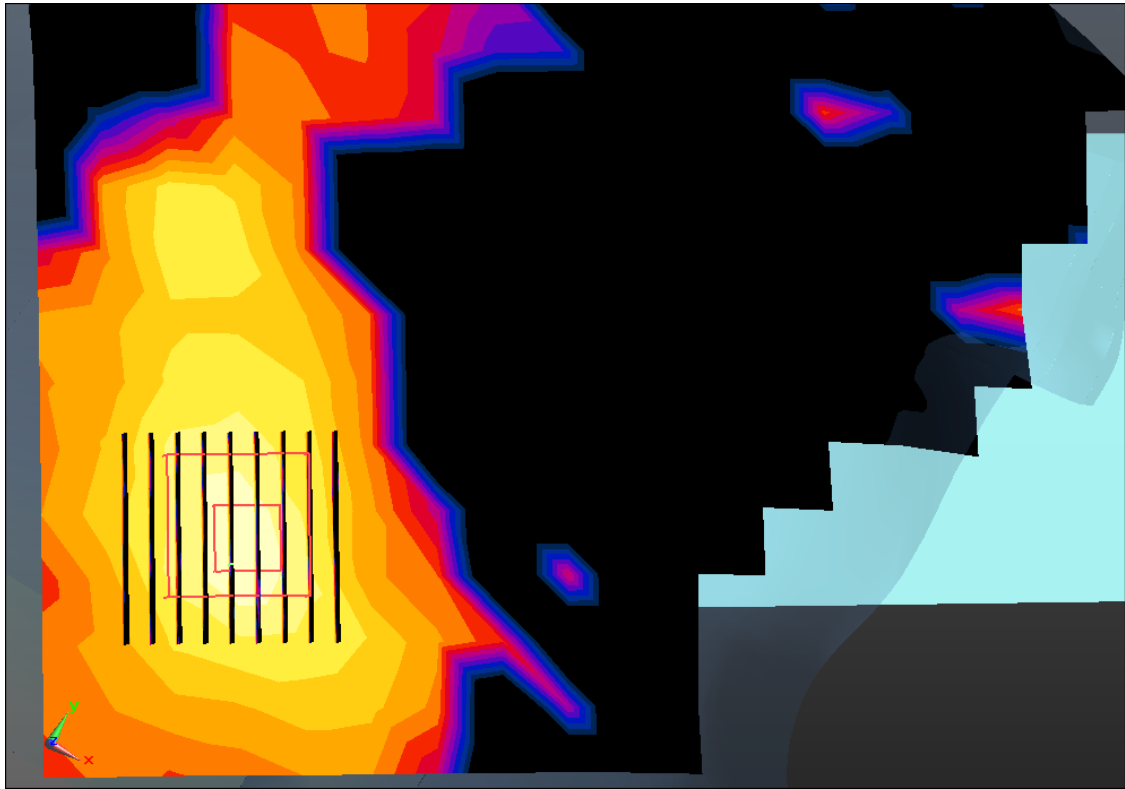
Power Drift = 0.19 dB

Peak SAR (extrapolated) = 4.35 W/kg

**SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.114 W/kg**



0 dB = 1.05 W/kg



Enlarged Plot for A18

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.39$  S/m;  $\epsilon_r = 34.326$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

**Right Touch, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, Ant.1**

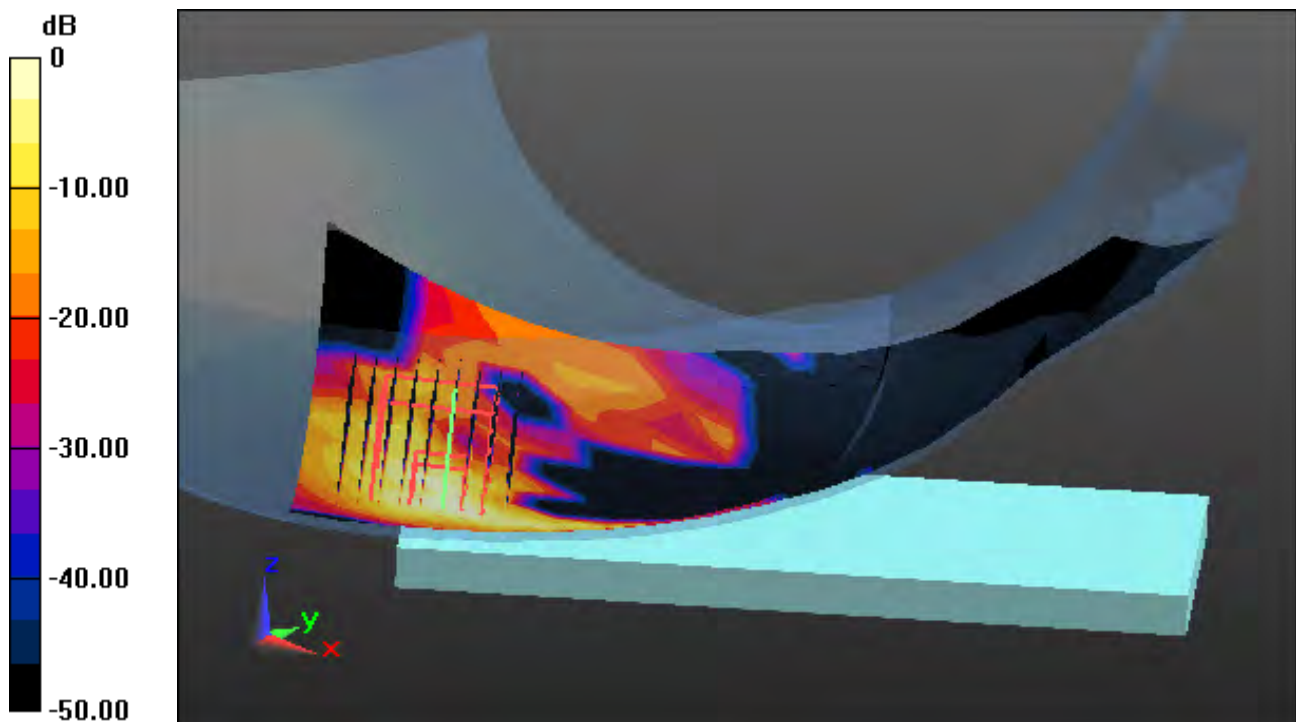
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

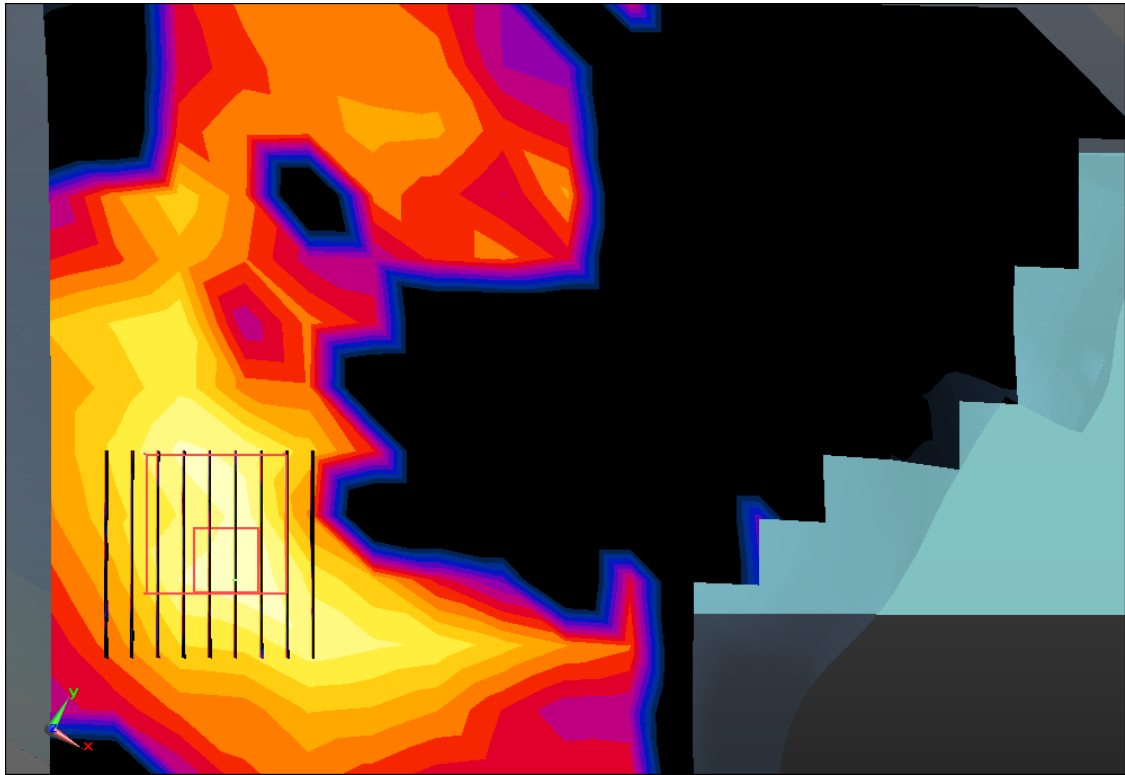
Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.69 W/kg

**SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.098 W/kg**



0 dB = 0.993 W/kg



Enlarged Plot for A19

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 5.39 \text{ S/m}$ ;  $\epsilon_r = 34.326$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

**Right Touch, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, Ant.2**

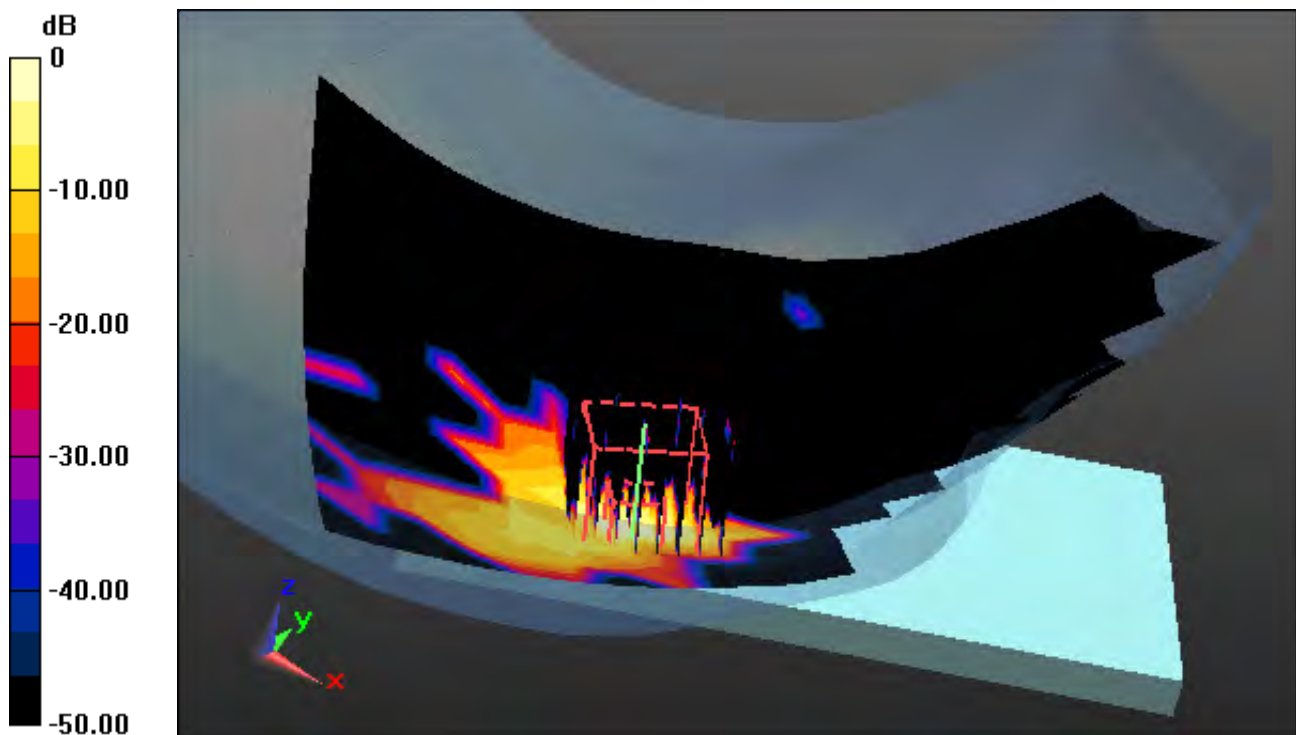
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Power Drift = 0.00 dB

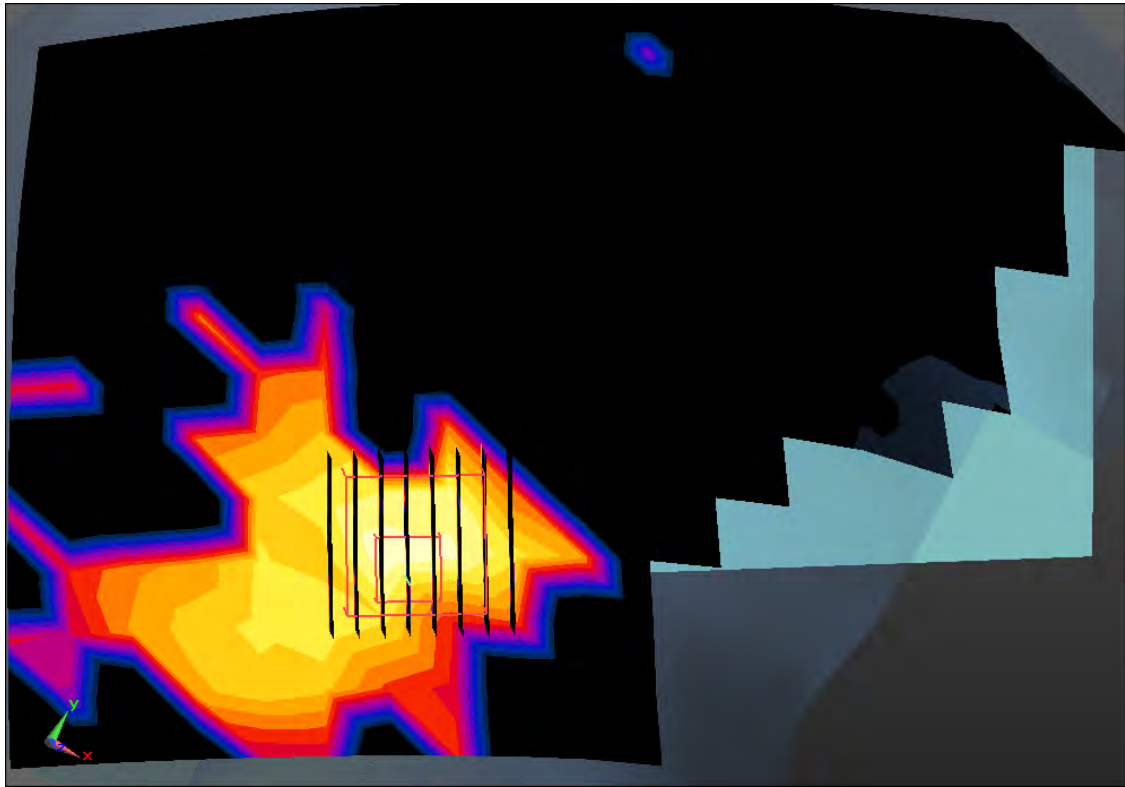
Peak SAR (extrapolated) = 0.784 W/kg

**SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.022 W/kg**



0 dB = 0.395 W/kg





Enlarged Plot for A20

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 5.39 \text{ S/m}$ ;  $\epsilon_r = 34.326$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

**Right Touch, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, MIMO**

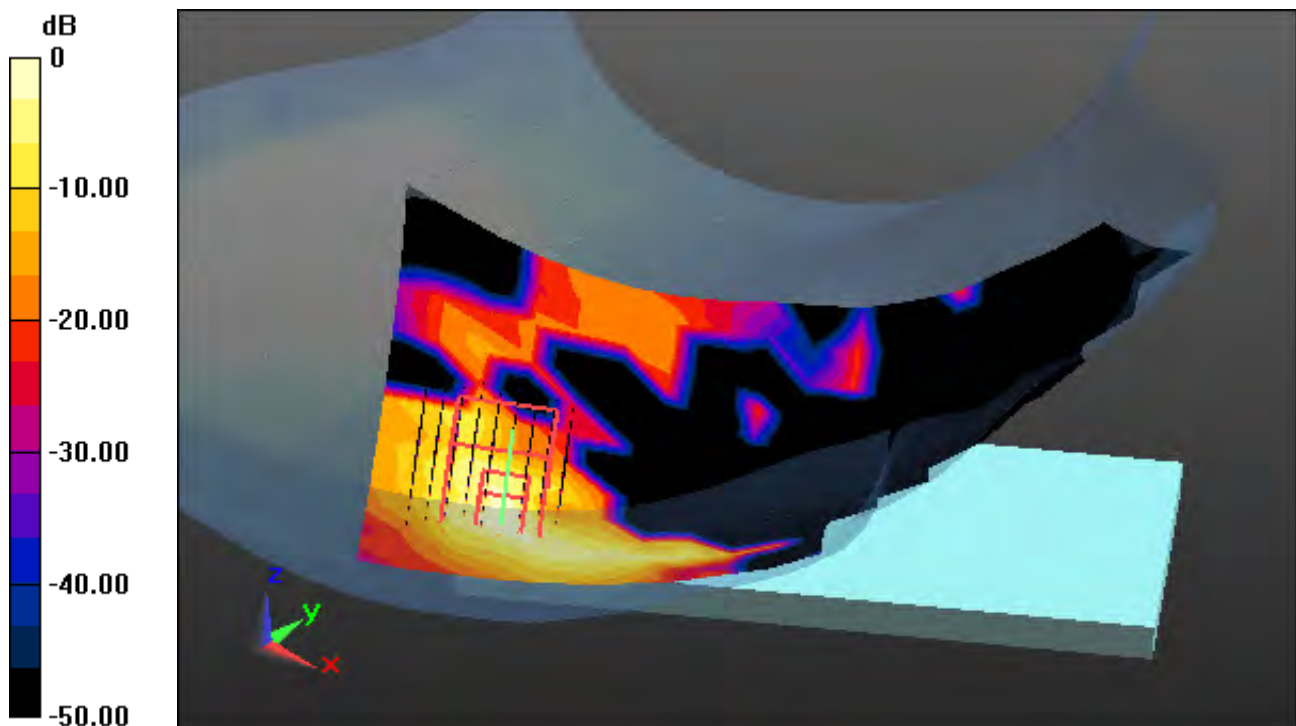
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

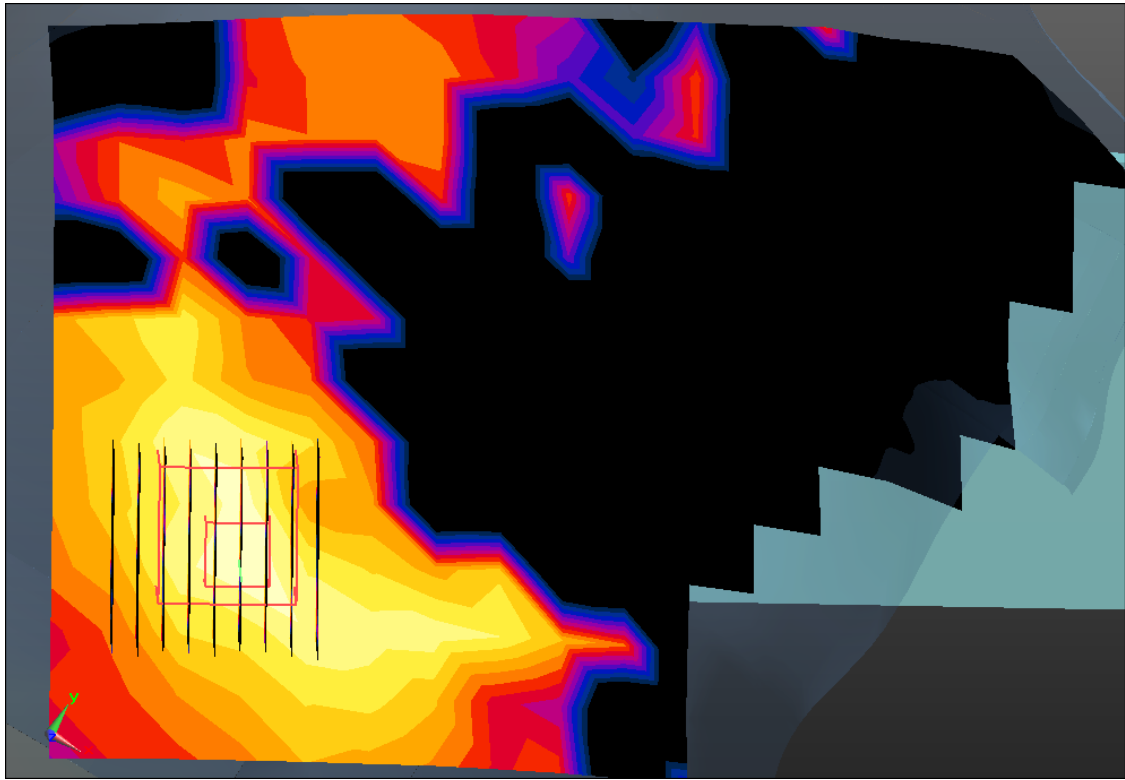
Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.070 W/kg**



0 dB = 0.785 W/kg



Enlarged Plot for A21

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302  
Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.743$  S/m;  $\epsilon_r = 40.368$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: 1783  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

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

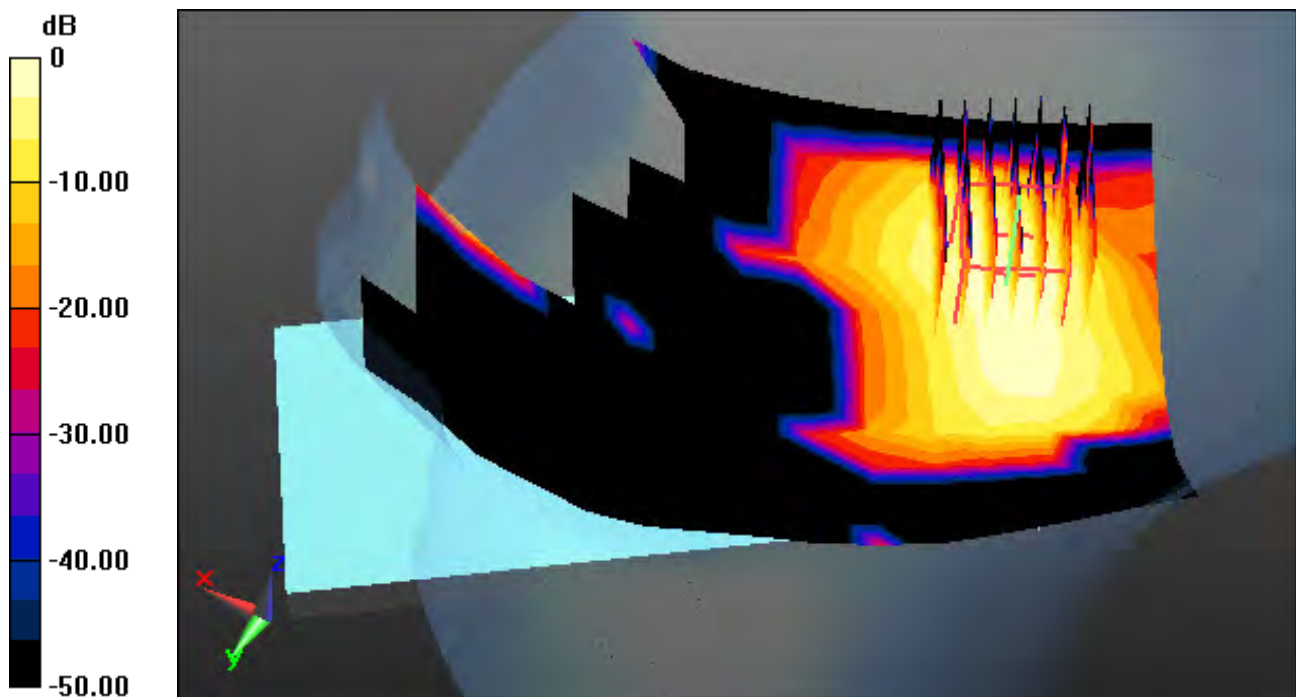
**Area Scan (11x16x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (9x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

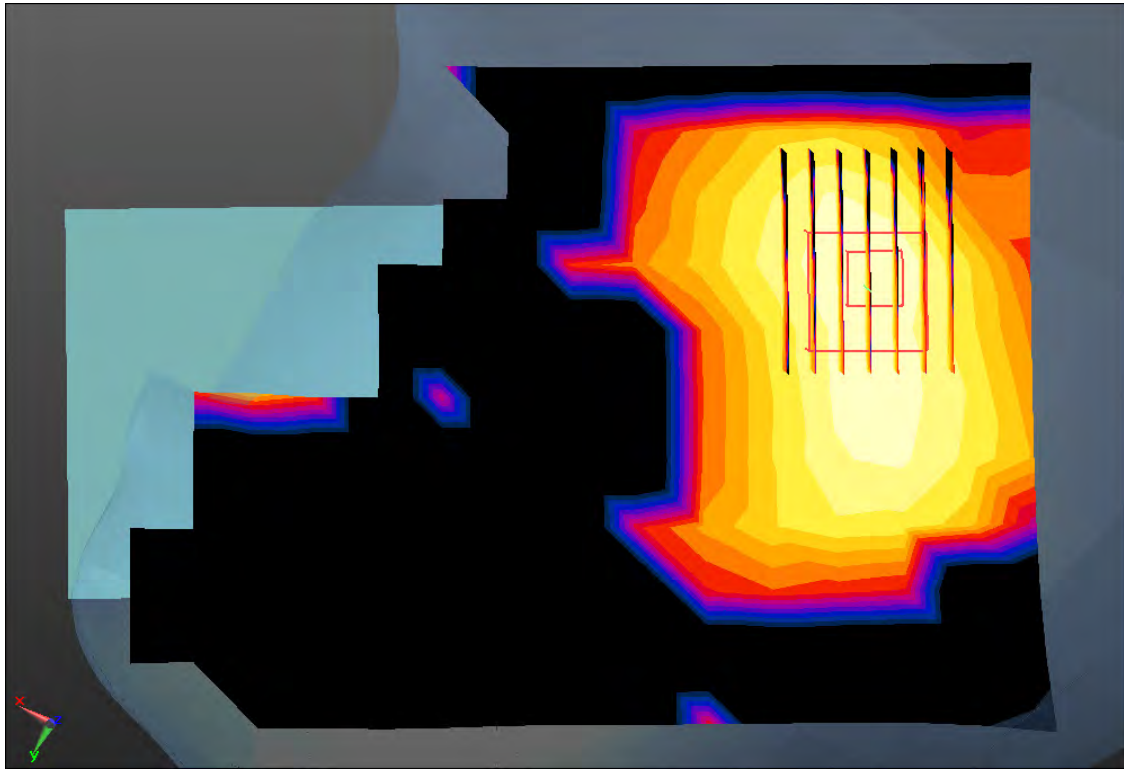
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.163 W/kg

**SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.025 W/kg**



0 dB = 0.0986 W/kg



Enlarged Plot for A22

# DT&C Co., Ltd.

**DUT: KX1801; 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;  $\sigma = 0.961$  S/m;  $\epsilon_r = 55.087$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.3

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

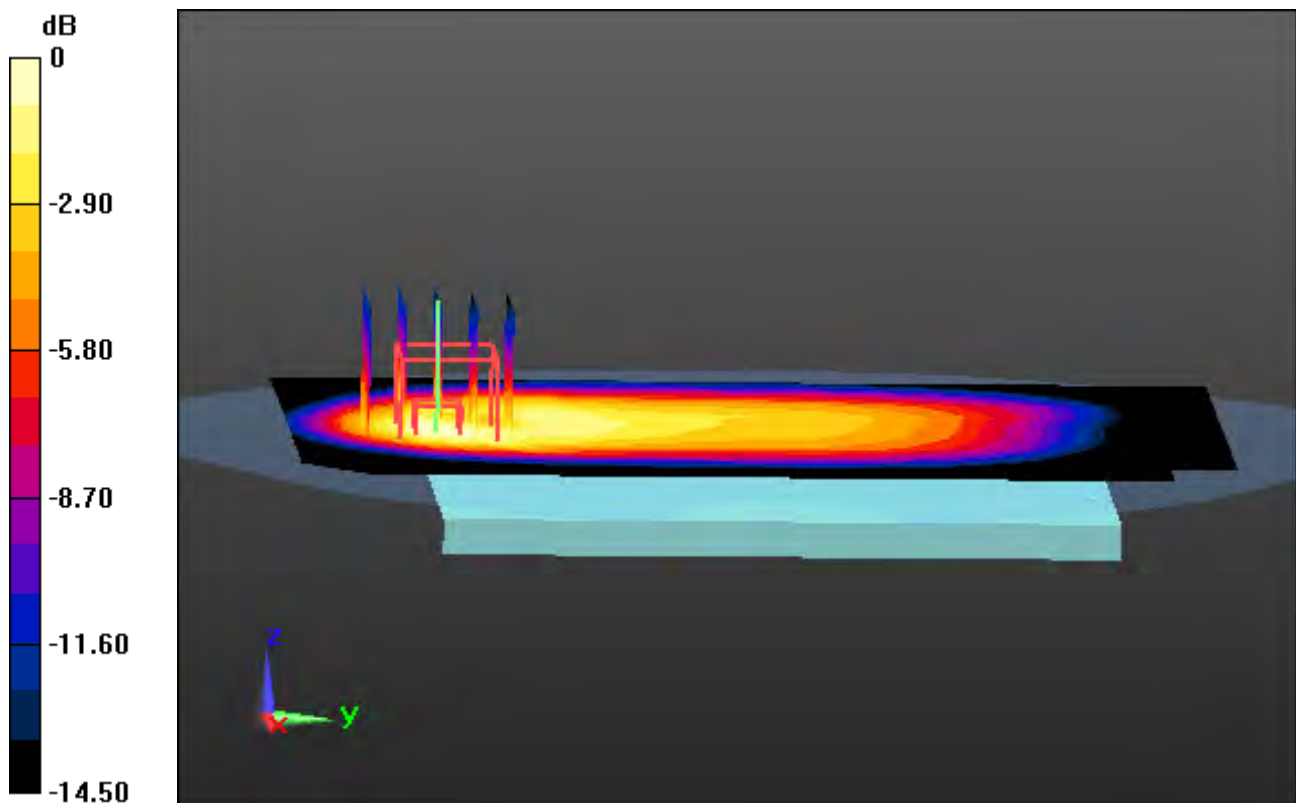
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

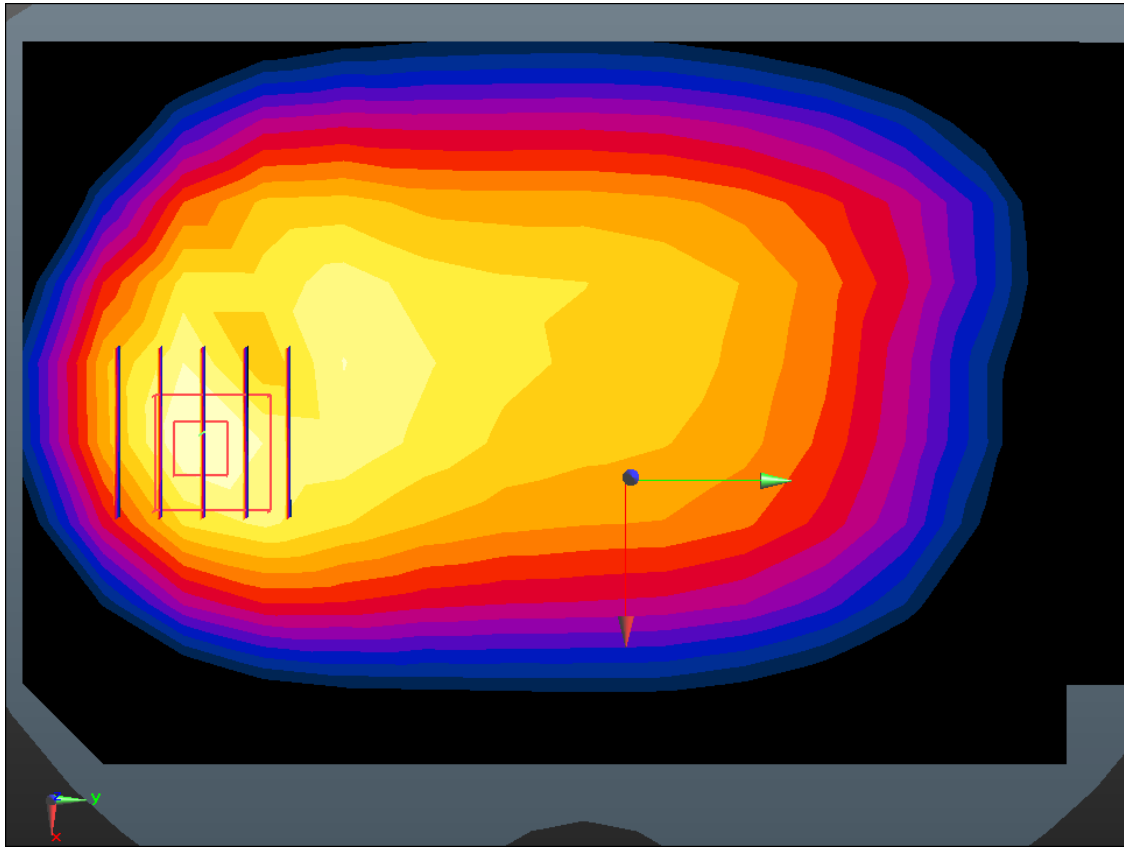
Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.605 W/kg

**SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.197 W/kg**

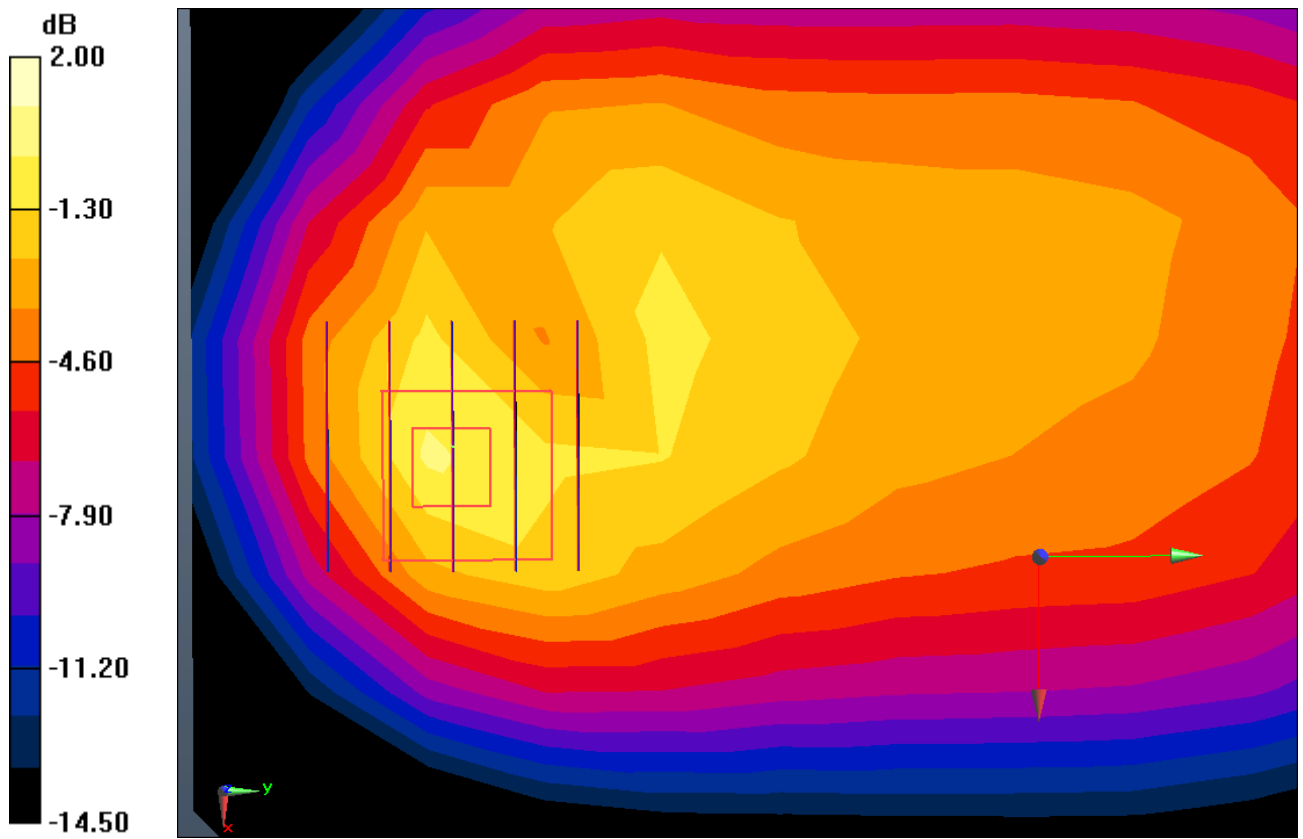


0 dB = 0.422 W/kg



Enlarged Plot for A23





Enlarged Plot for A23

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, GSM 850\_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.961$  S/m;  $\epsilon_r = 55.087$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.3

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

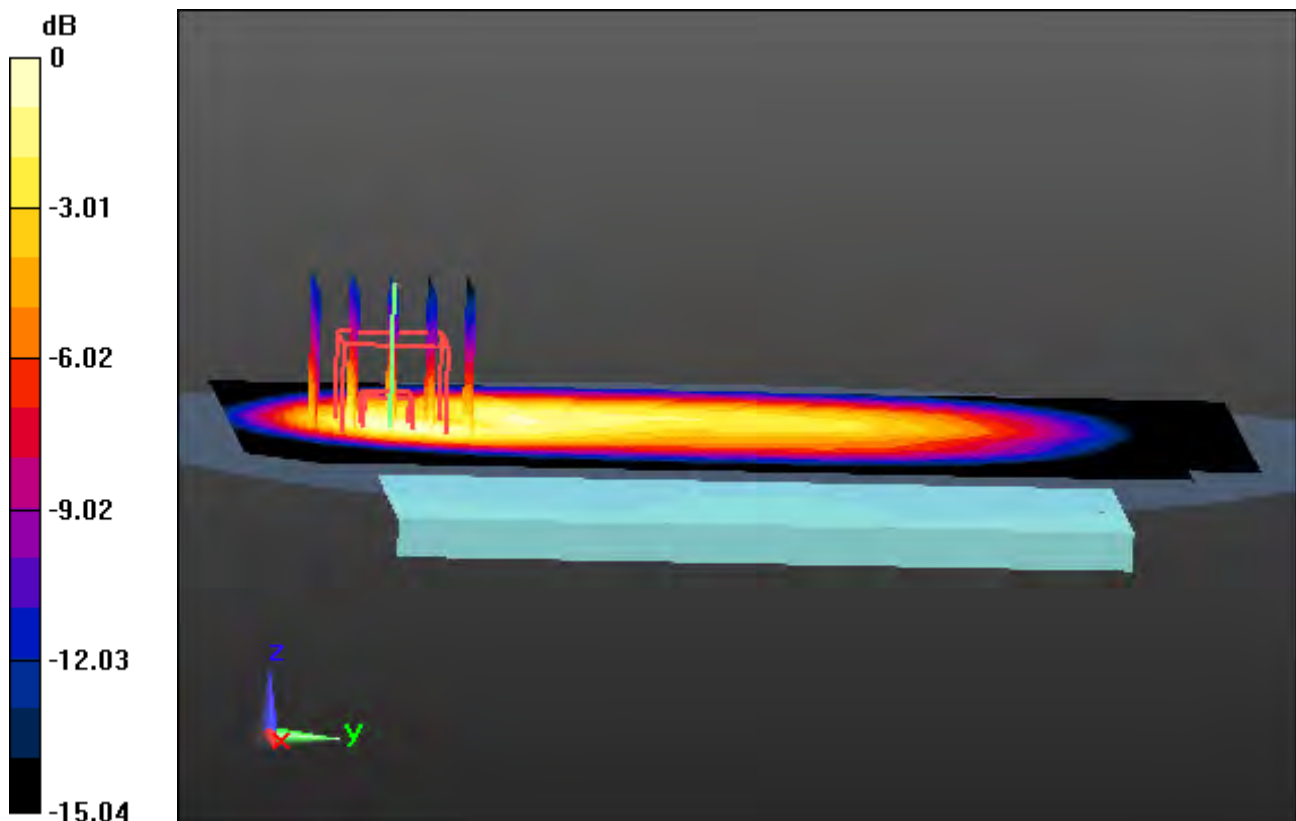
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

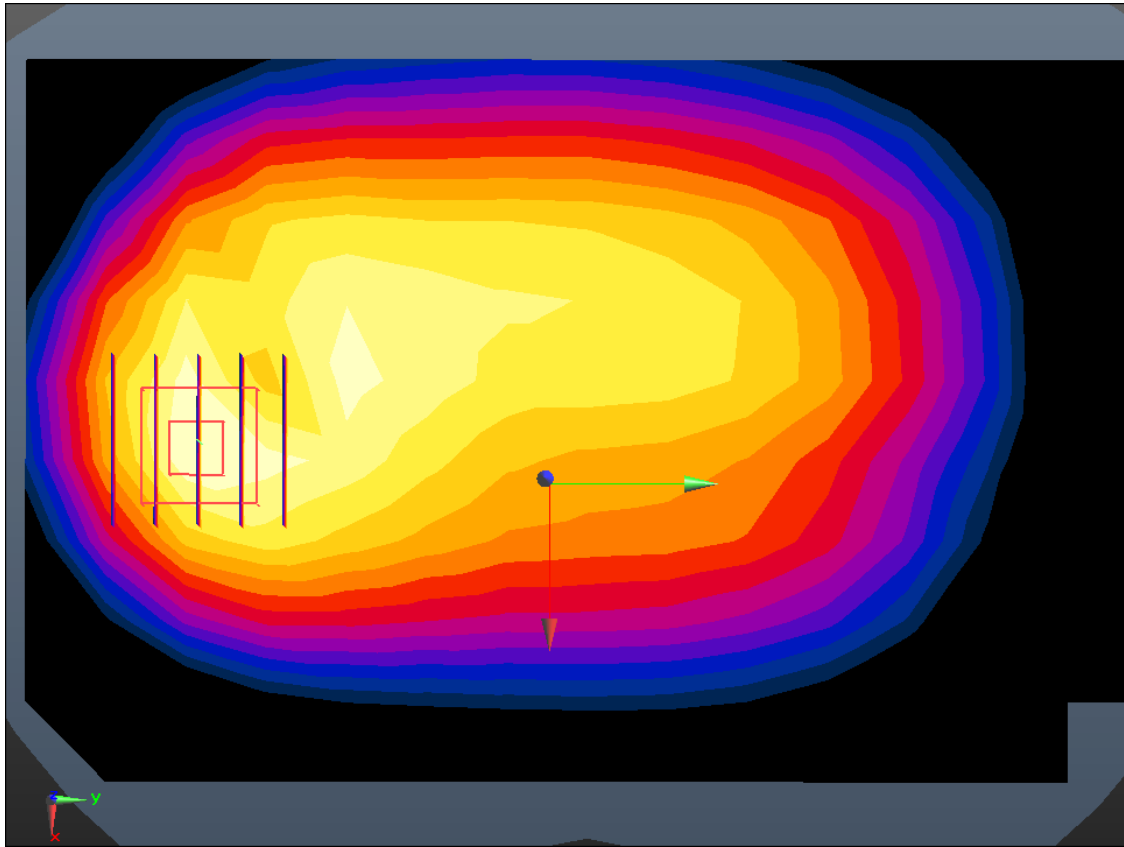
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.02 W/kg

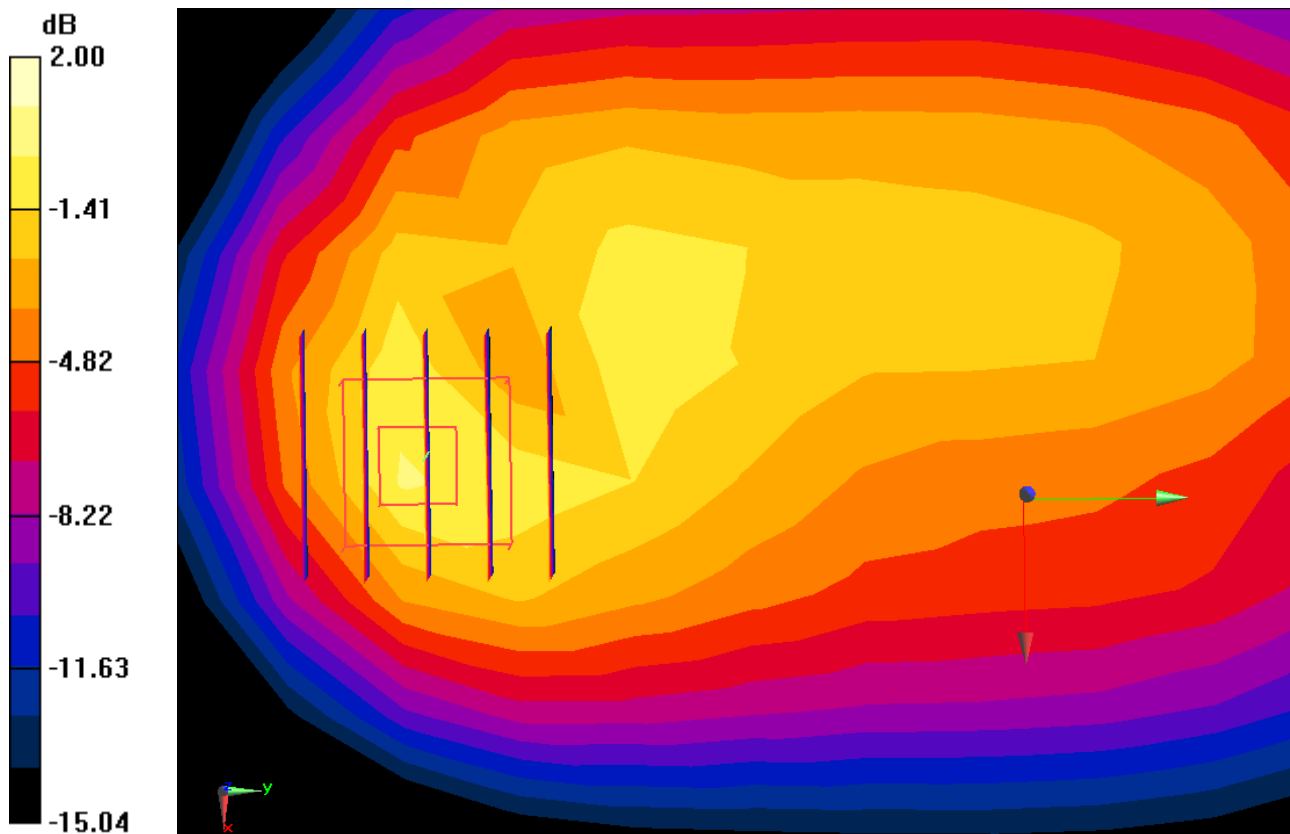
**SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.321 W/kg**



0 dB = 0.711 W/kg



Enlarged Plot for A24



Enlarged Plot for A24

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.526$  S/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

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

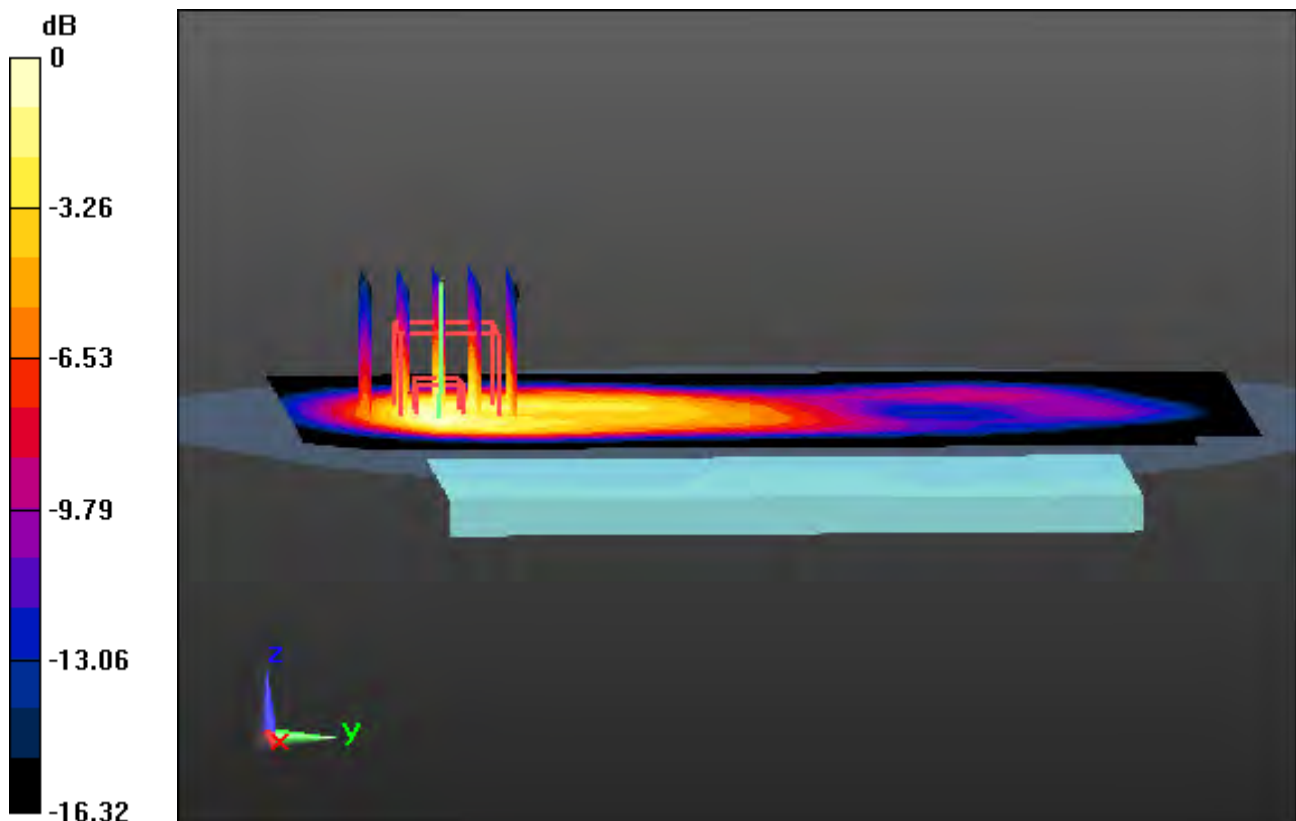
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

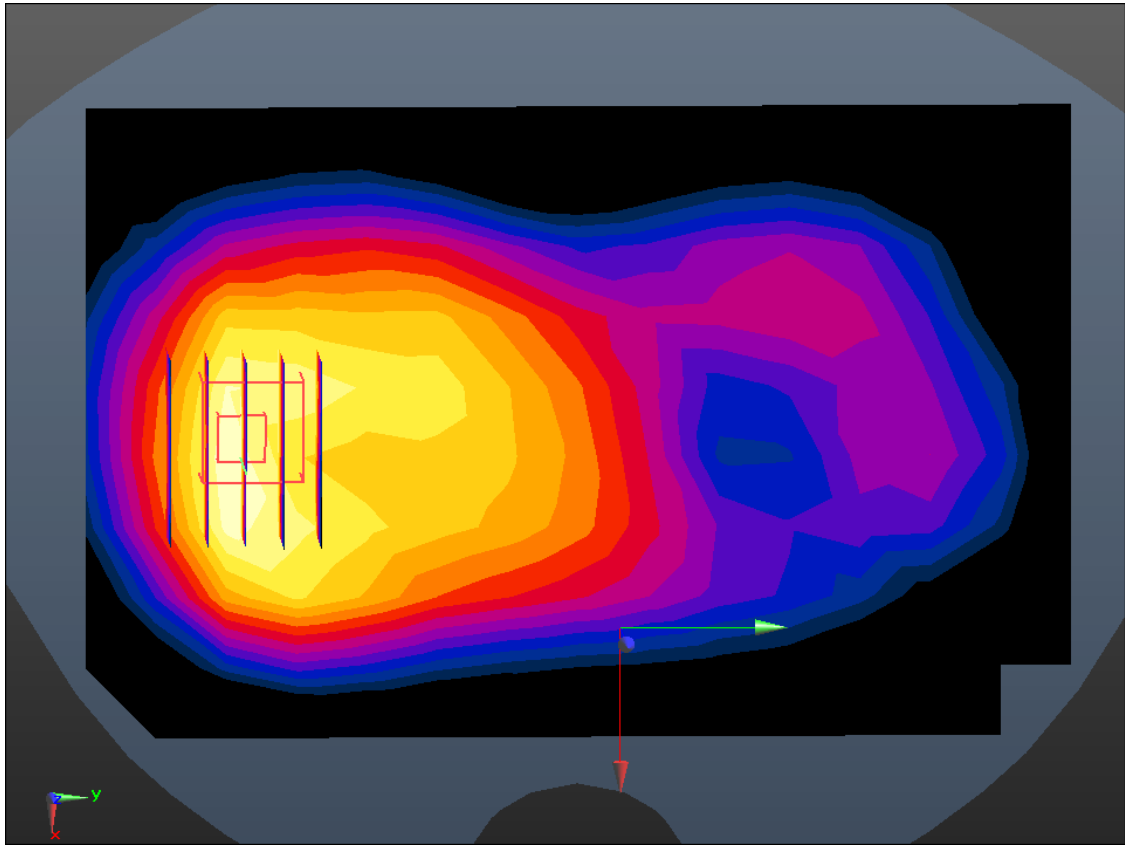
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.564 W/kg

**SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.200 W/kg**



0 dB = 0.426 W/kg



Enlarged Plot for A25

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.526$  S/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

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

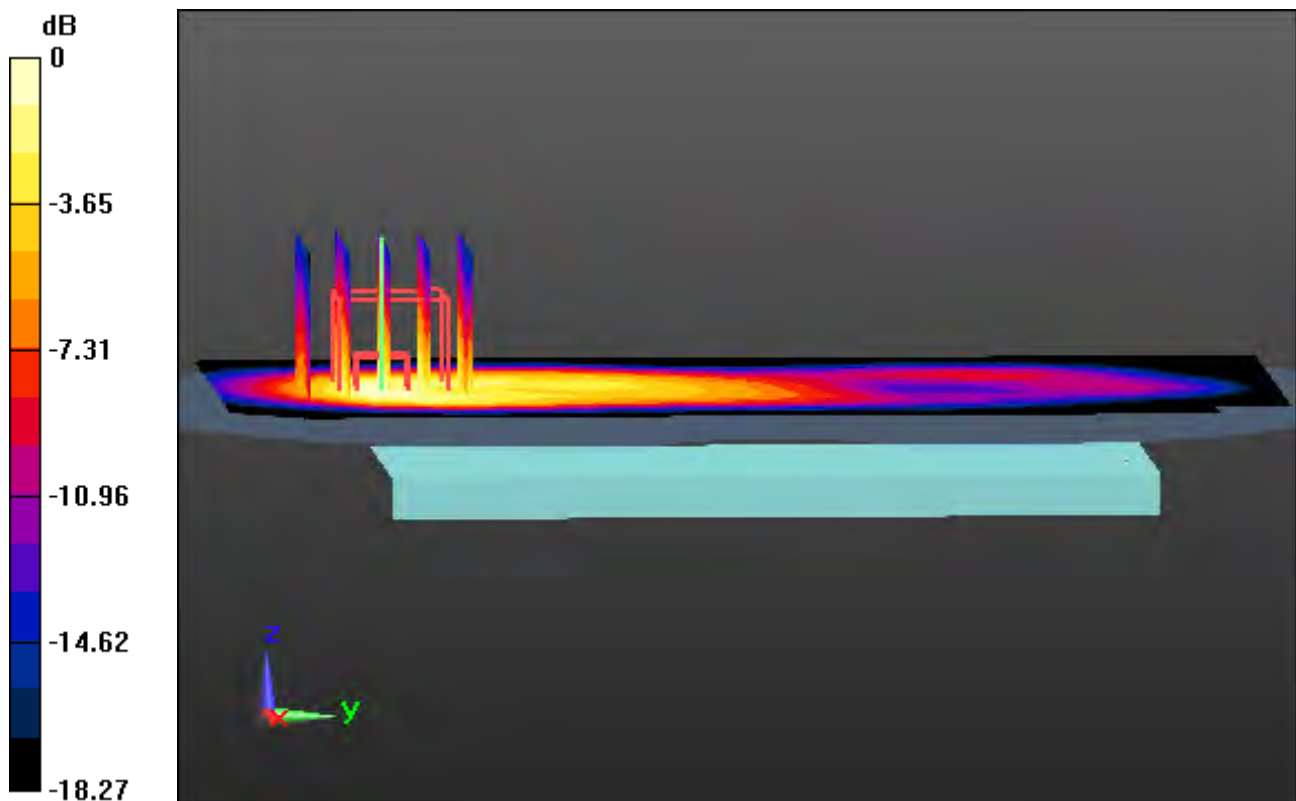
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (7x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.02 dB

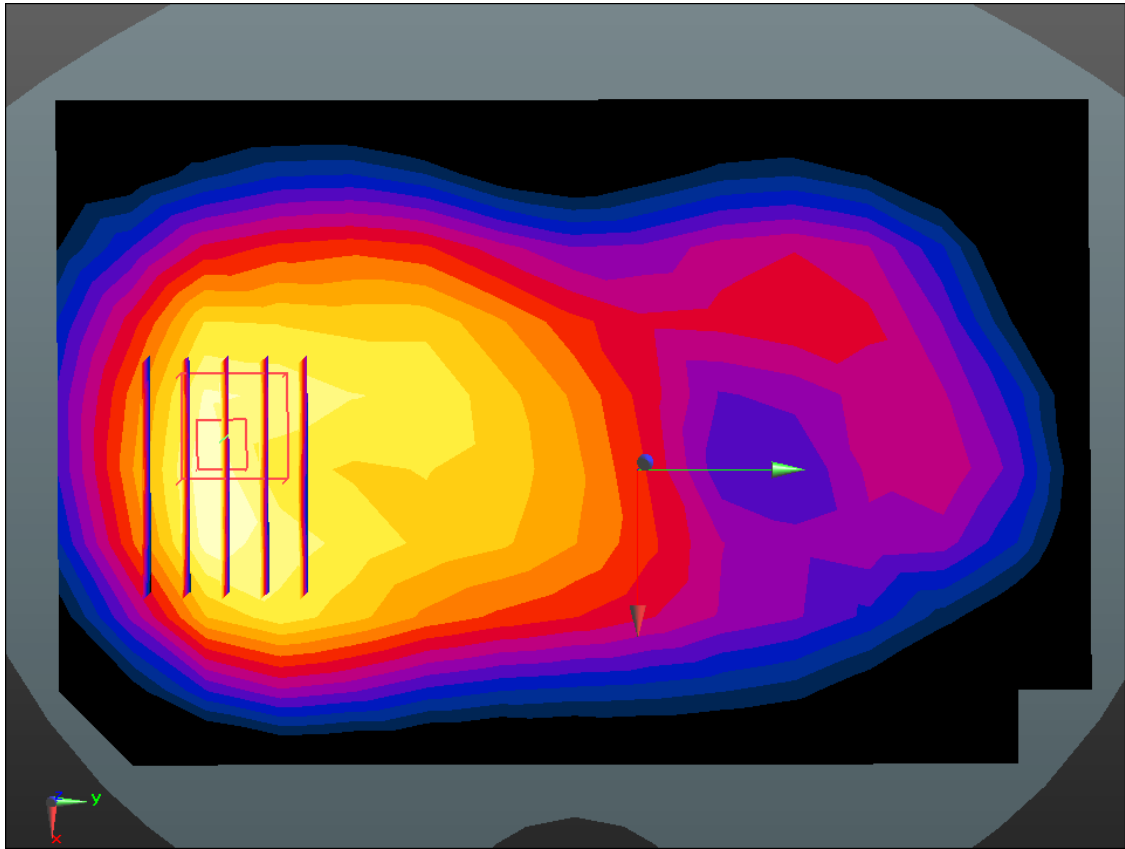
Peak SAR (extrapolated) = 0.902 W/kg

**SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.320 W/kg**



0 dB = 0.684 W/kg





Enlarged Plot for A26

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 51.985$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Rear, WCDMA Band 4 Ch. 1412, Ant Internal**

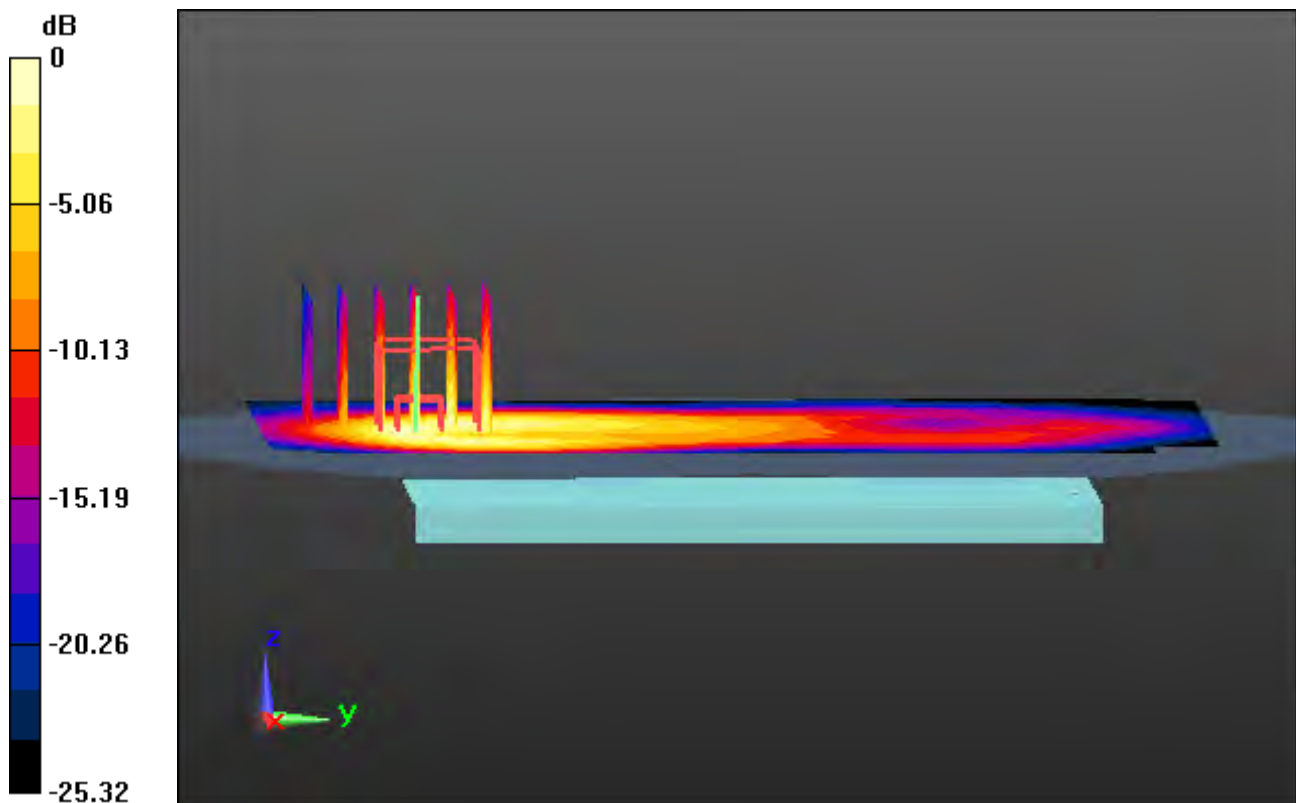
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

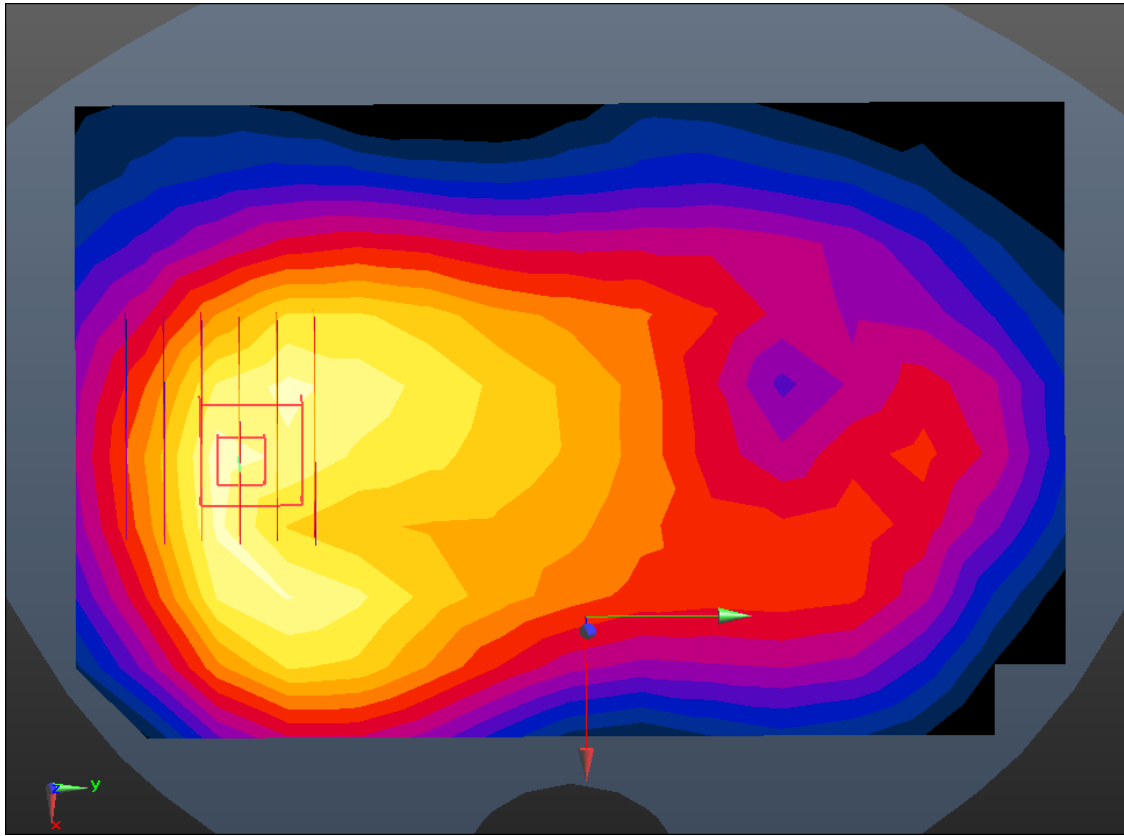
Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.875 W/kg

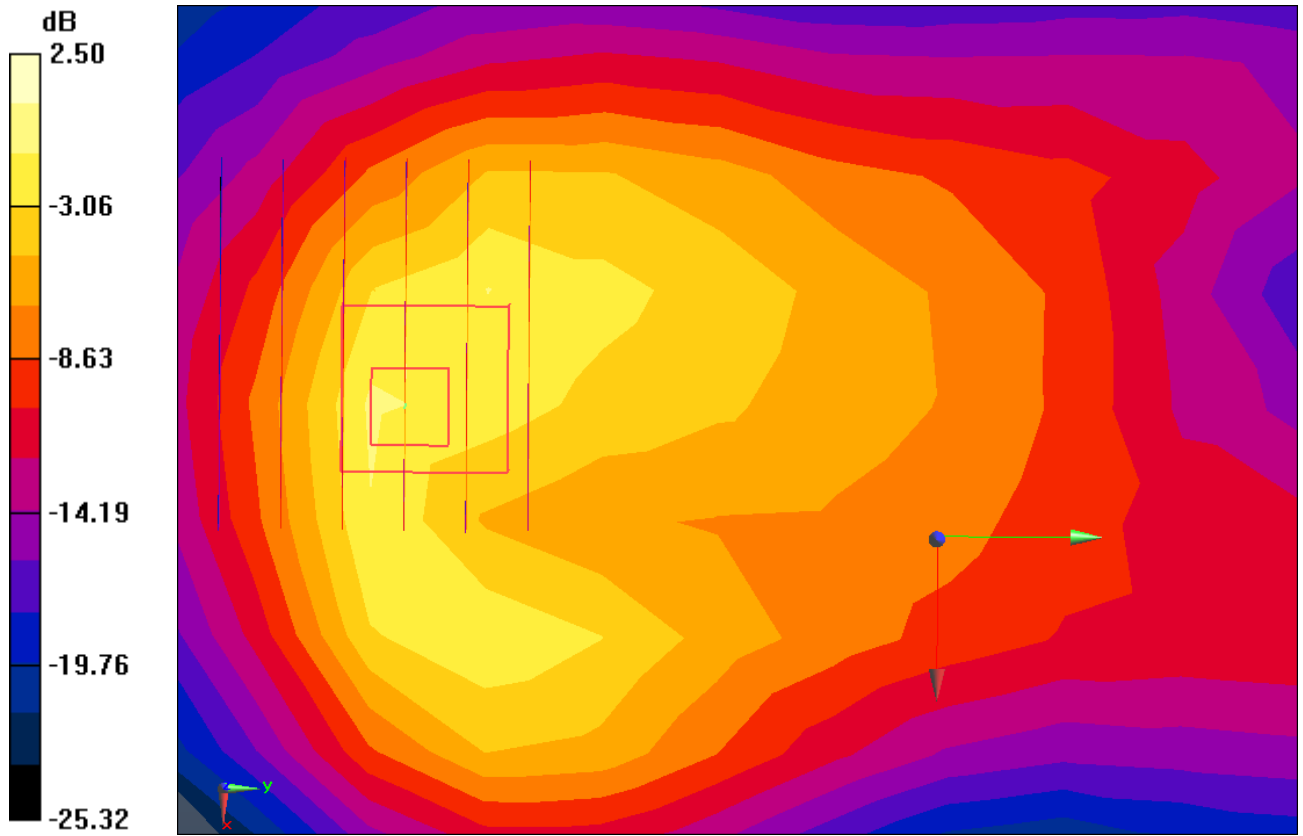
**SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.294 W/kg**



0 dB = 0.651 W/kg



Enlarged Plot for A27



Enlarged Plot for A27

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  S/m;  $\epsilon_r = 51.851$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

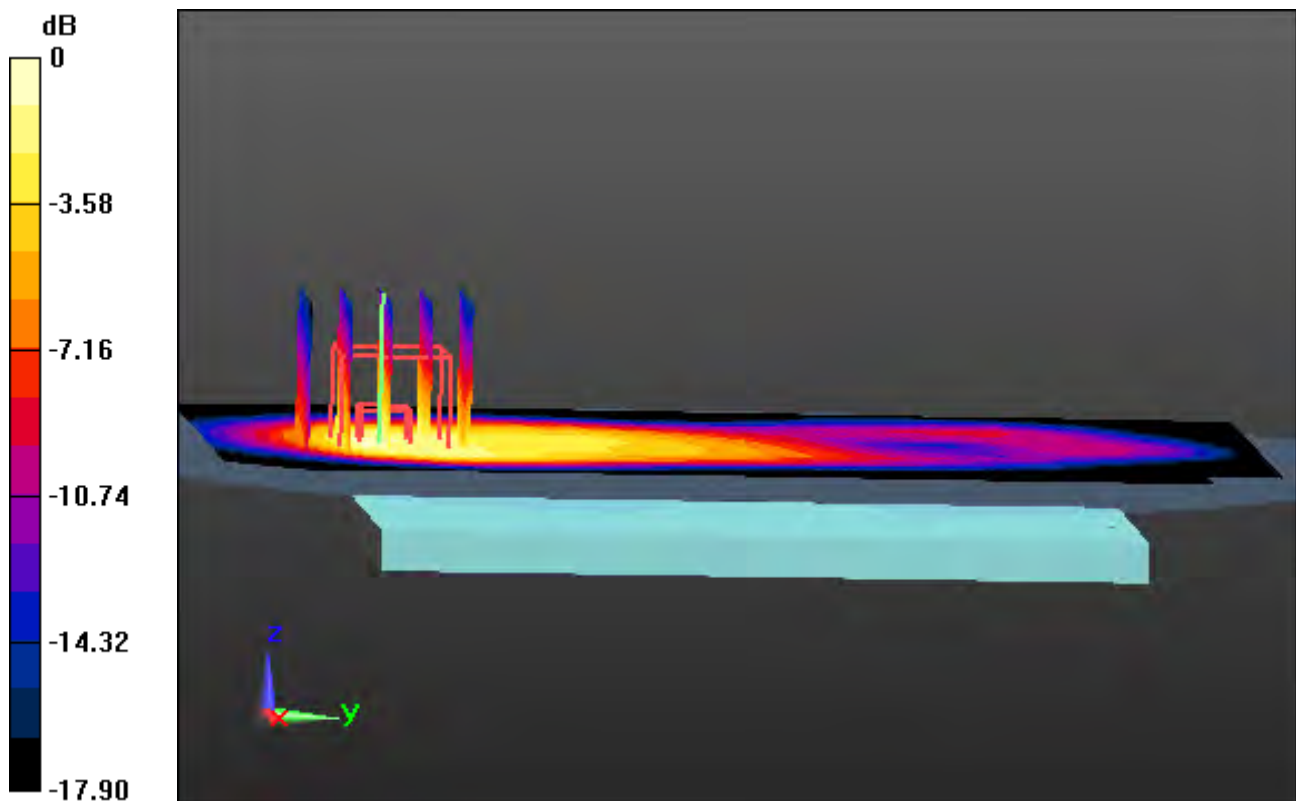
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

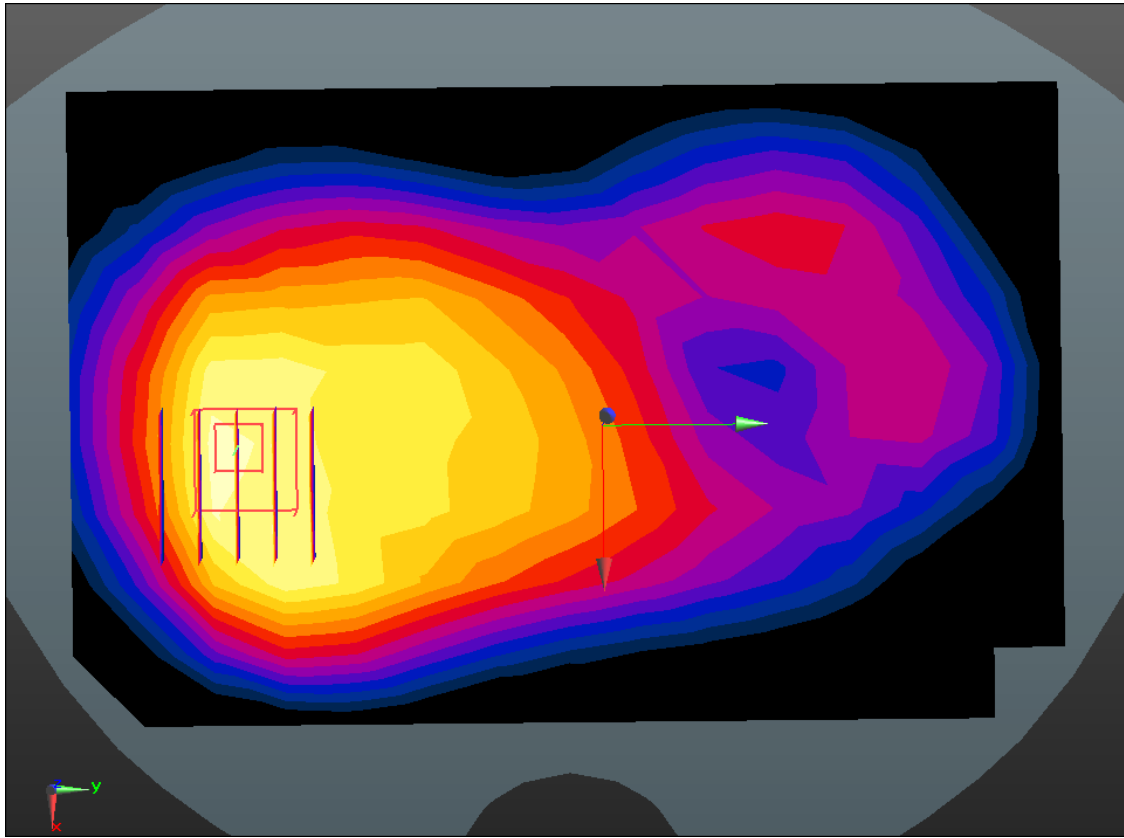
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.803 W/kg

**SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.284 W/kg**



0 dB = 0.611 W/kg



Enlarged Plot for A28

# DT&C Co., Ltd.

**DUT: KX1801; 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;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.332$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.5

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

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

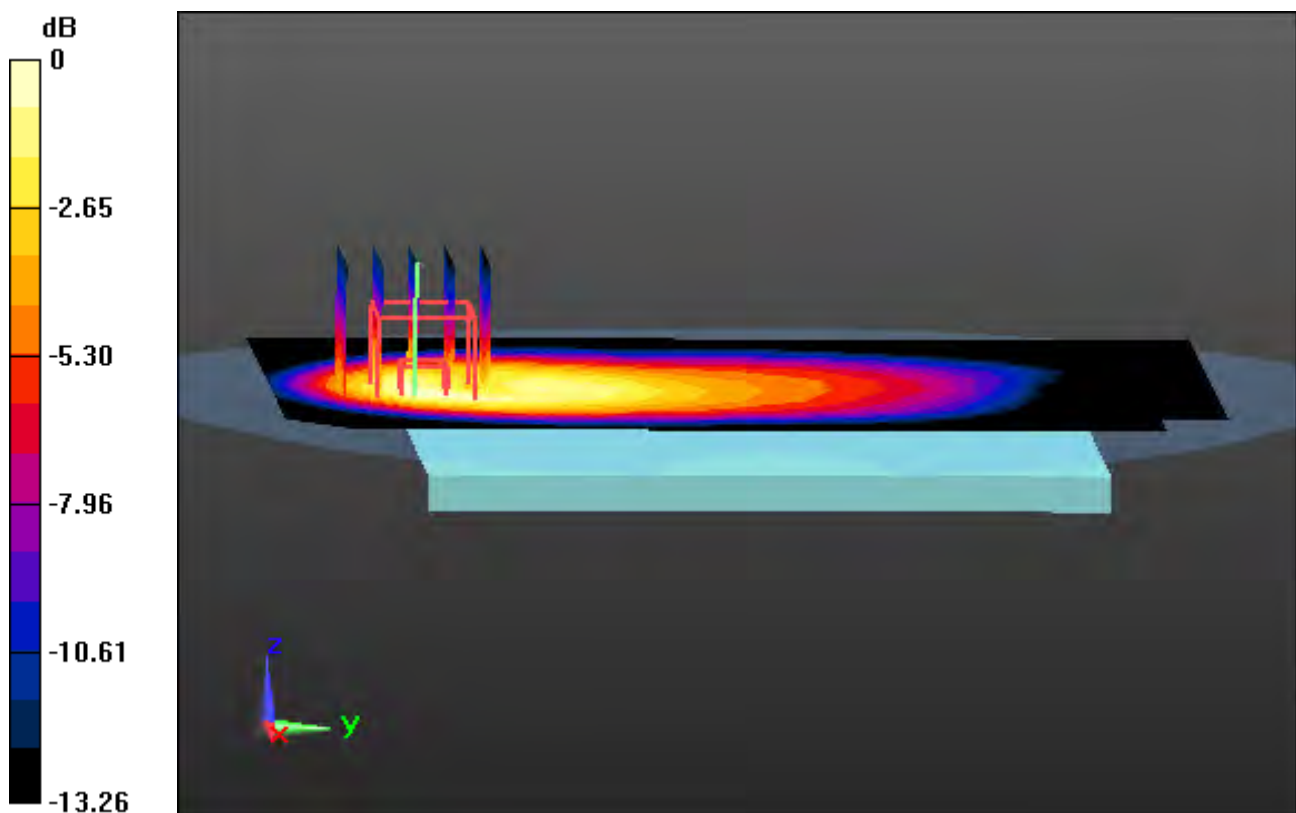
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

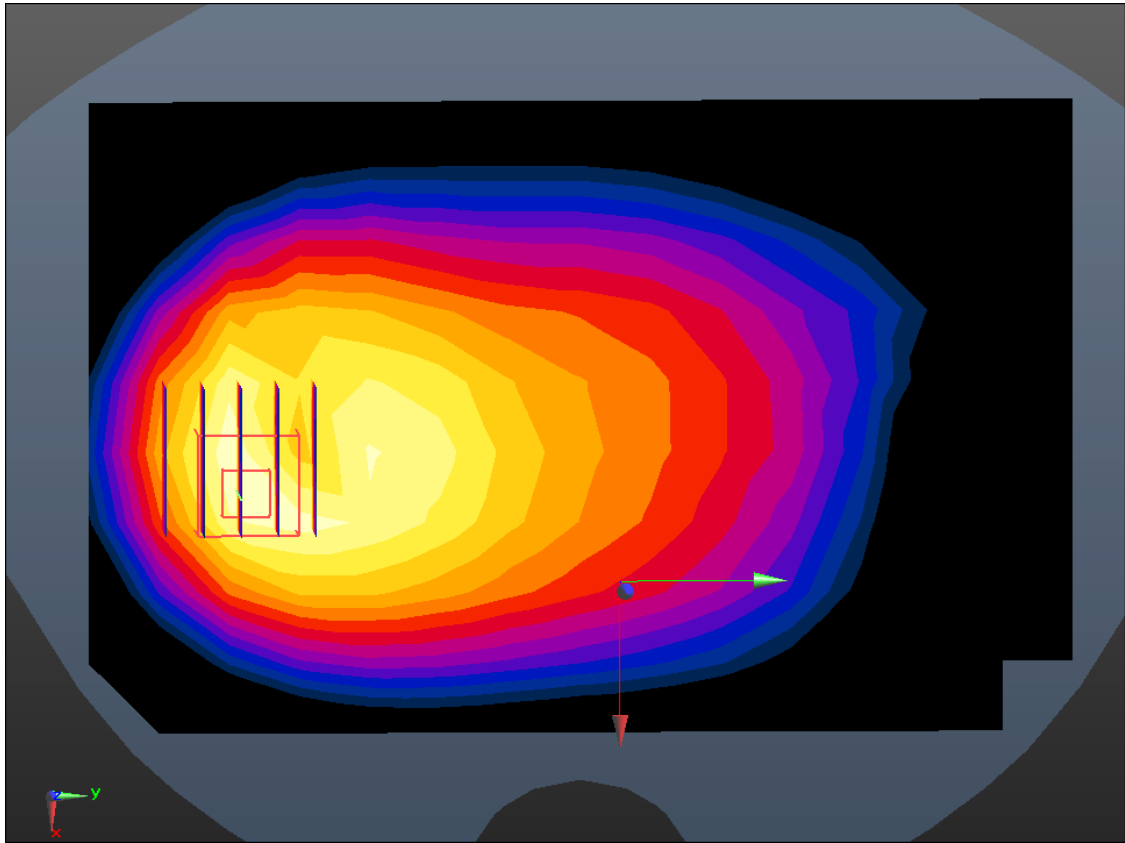
Peak SAR (extrapolated) = 0.867 W/kg

**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.271 W/kg**

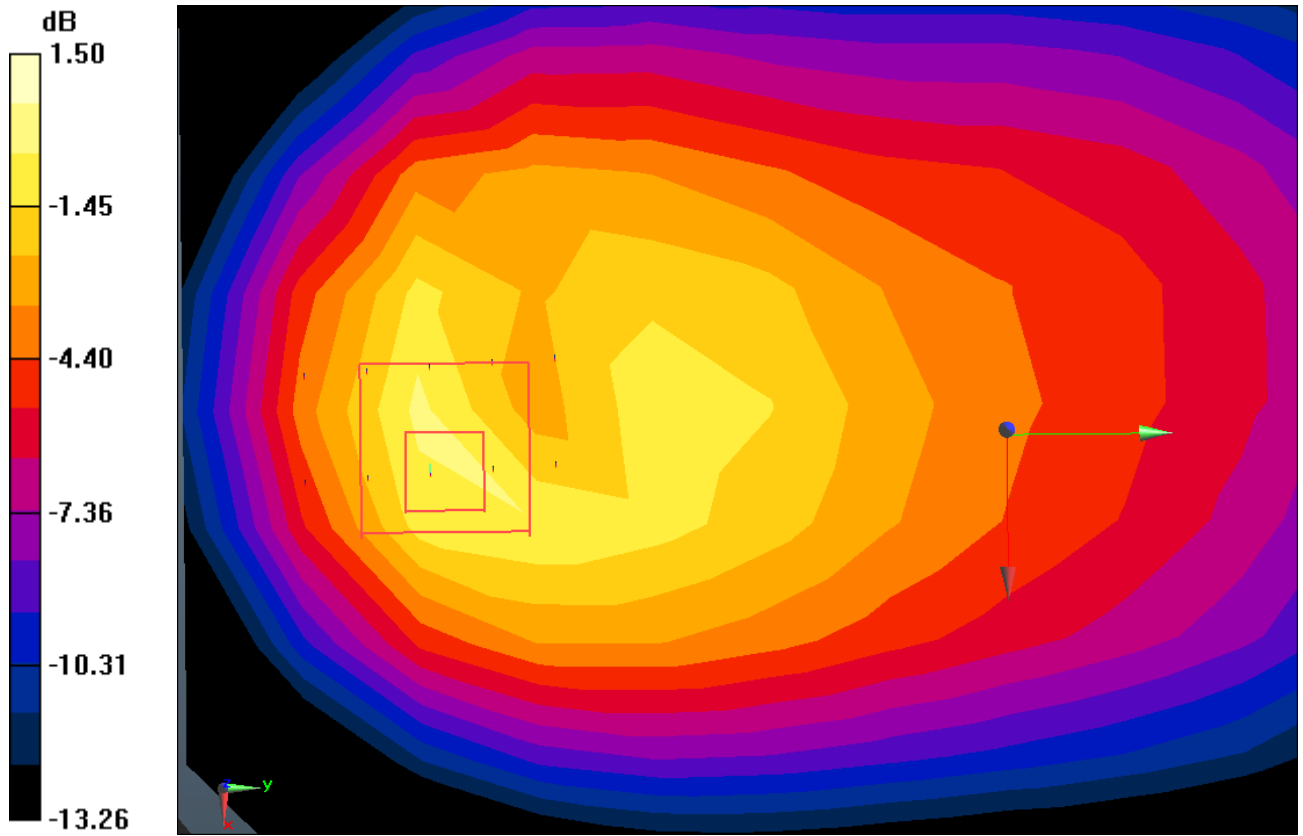


0 dB = 0.591 W/kg





Enlarged Plot for A29



Enlarged Plot for A29

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.444$  S/m;  $\epsilon_r = 52.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.8

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

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

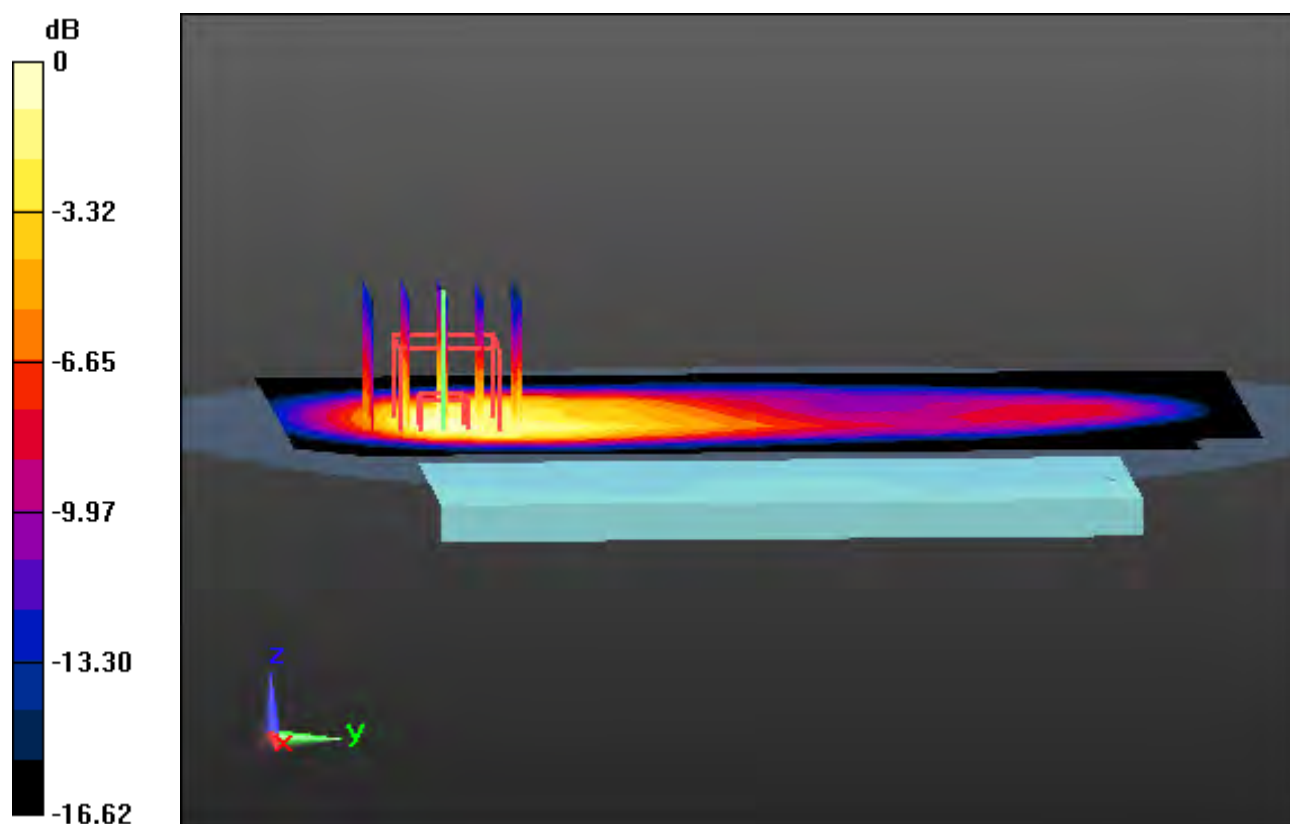
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

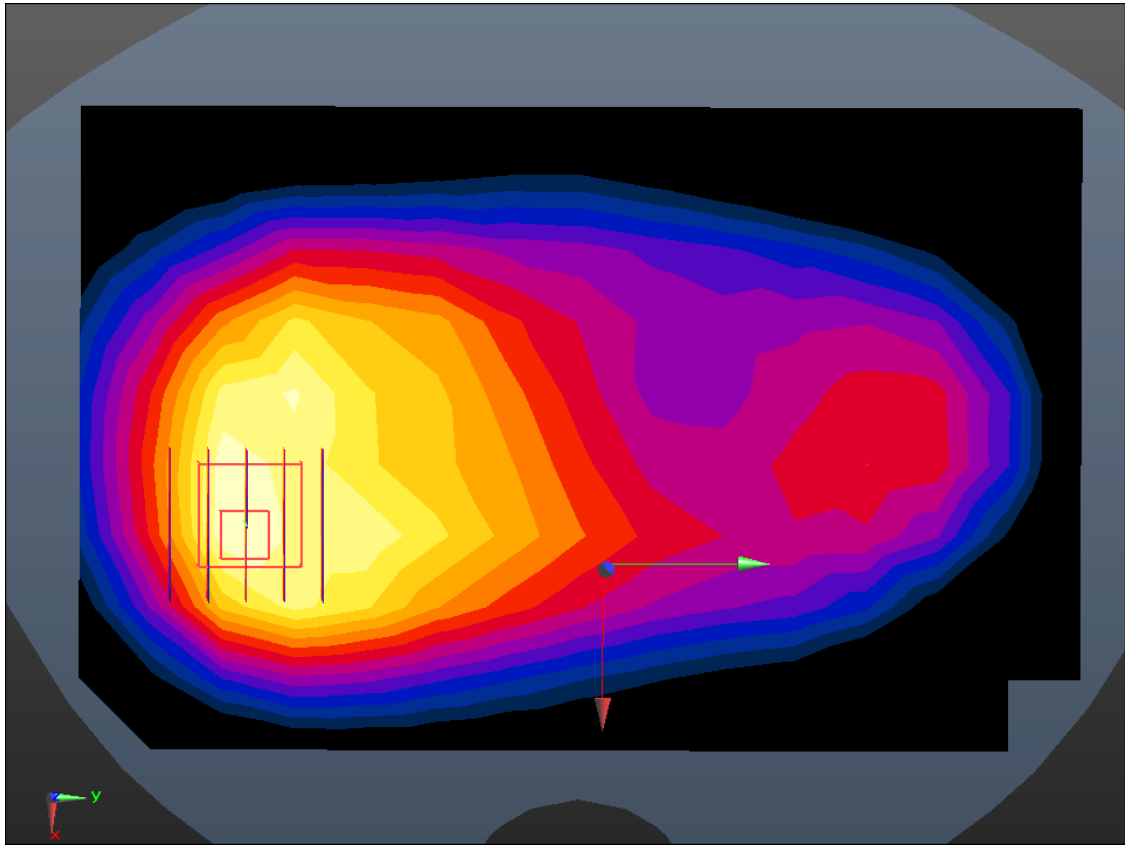
Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.839 W/kg

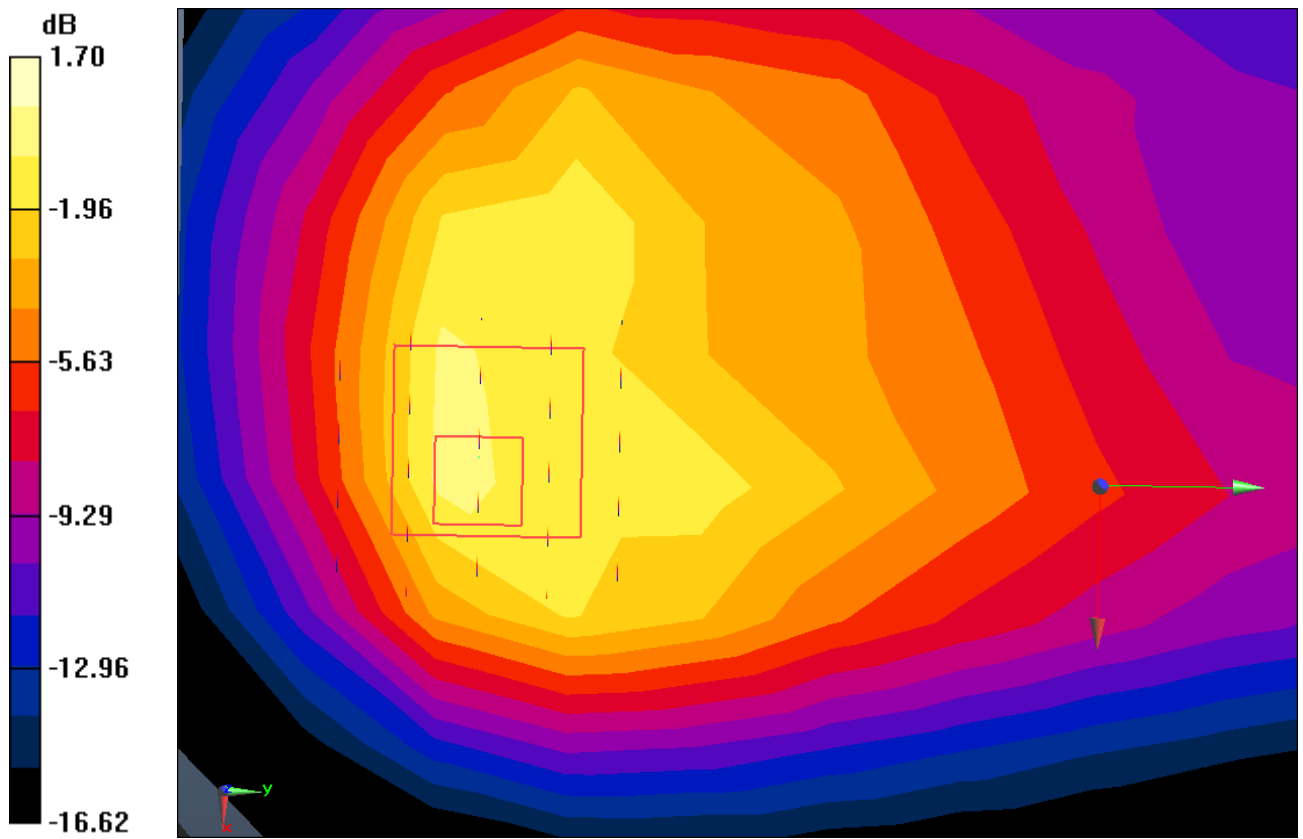
**SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.291 W/kg**



0 dB = 0.607 W/kg



Enlarged Plot for A30



Enlarged Plot for A30

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.548$  S/m;  $\epsilon_r = 51.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.1

**1 cm space from Body, Rear, LTE Band 2 Ch. 19100, Ant Internal**

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

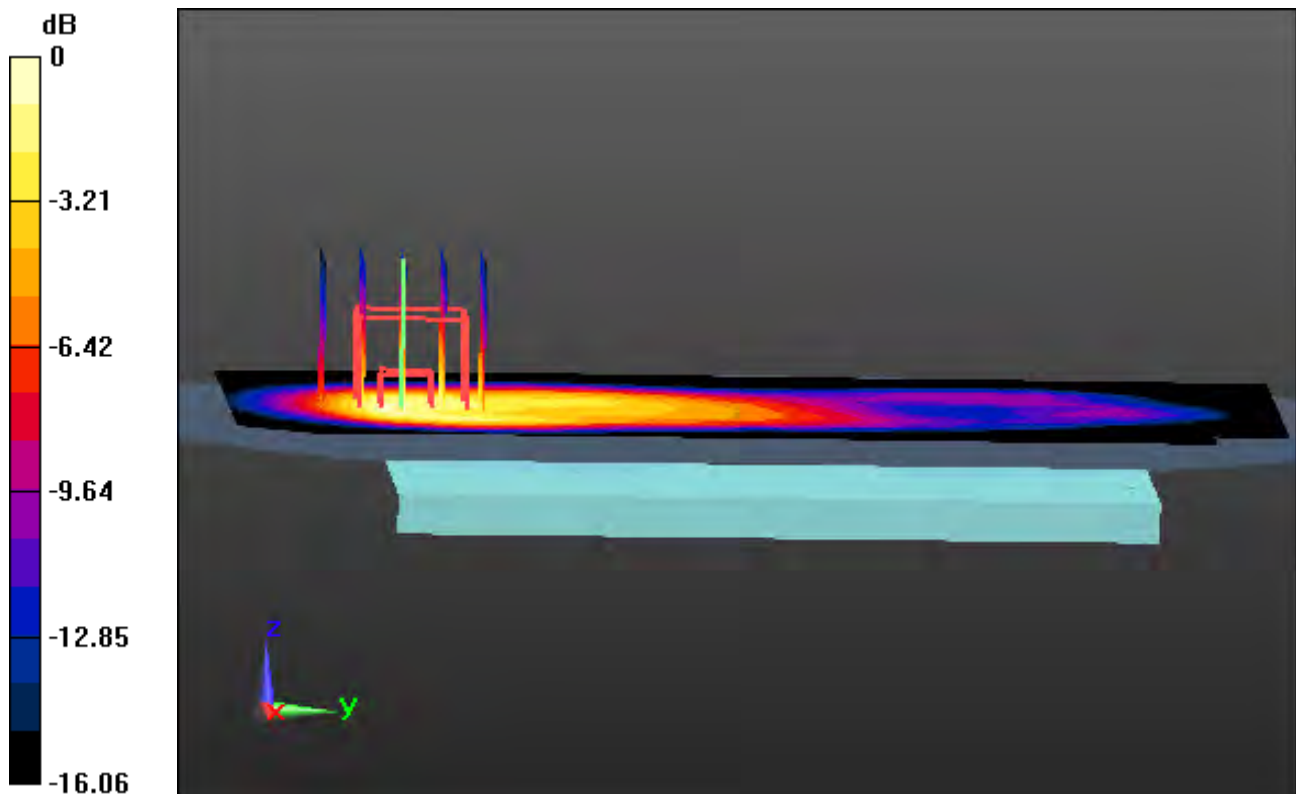
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

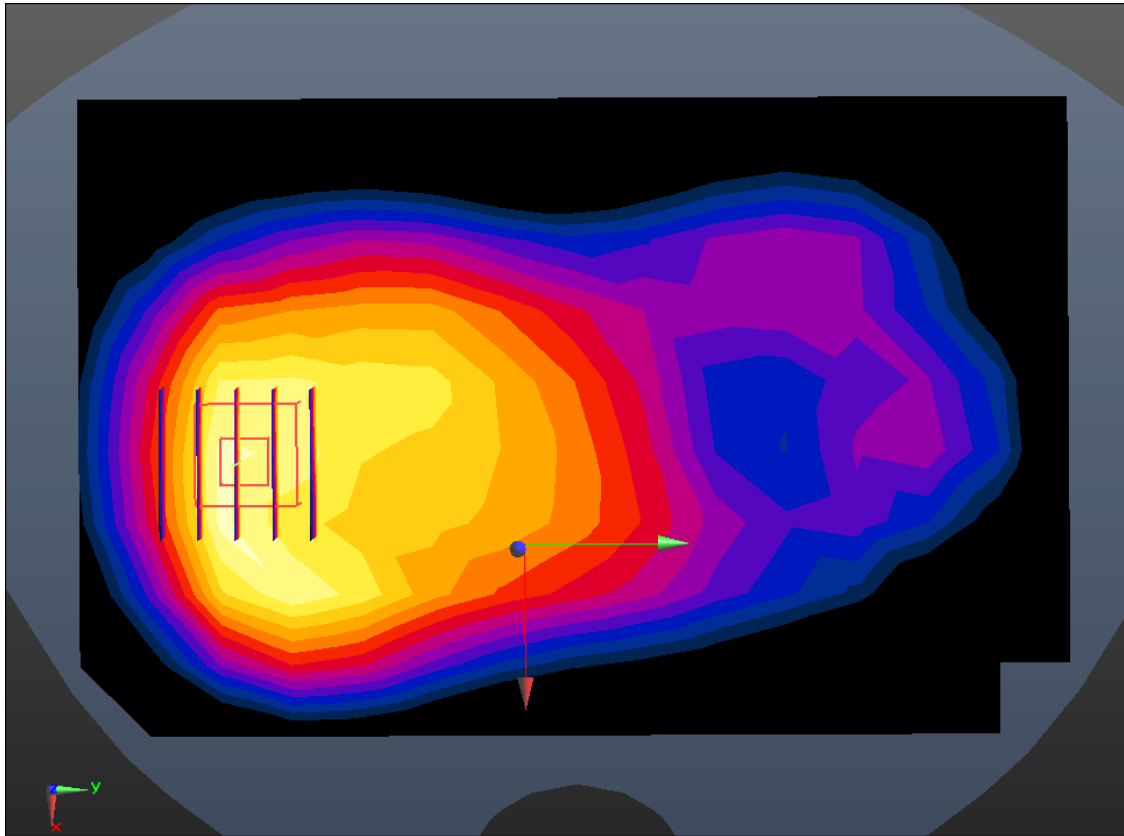
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.933 W/kg

**SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.333 W/kg**



0 dB = 0.709 W/kg



Enlarged Plot for A31



## DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.992$  S/m;  $\epsilon_r = 52.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

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

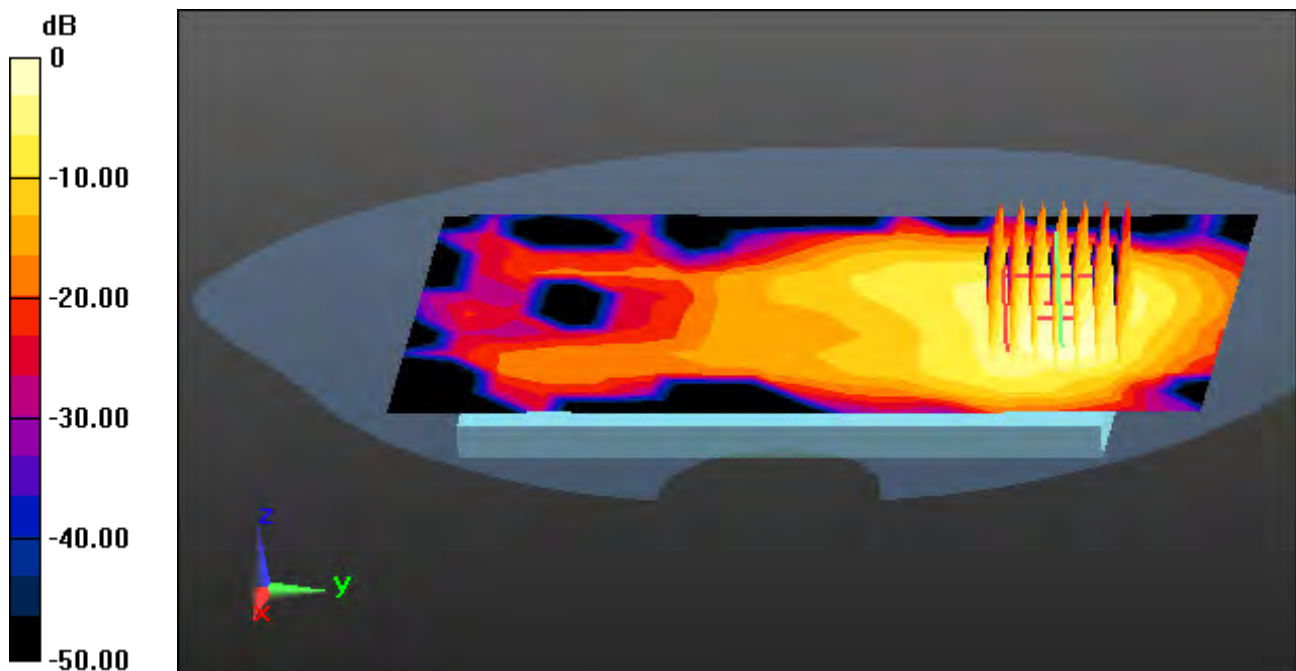
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

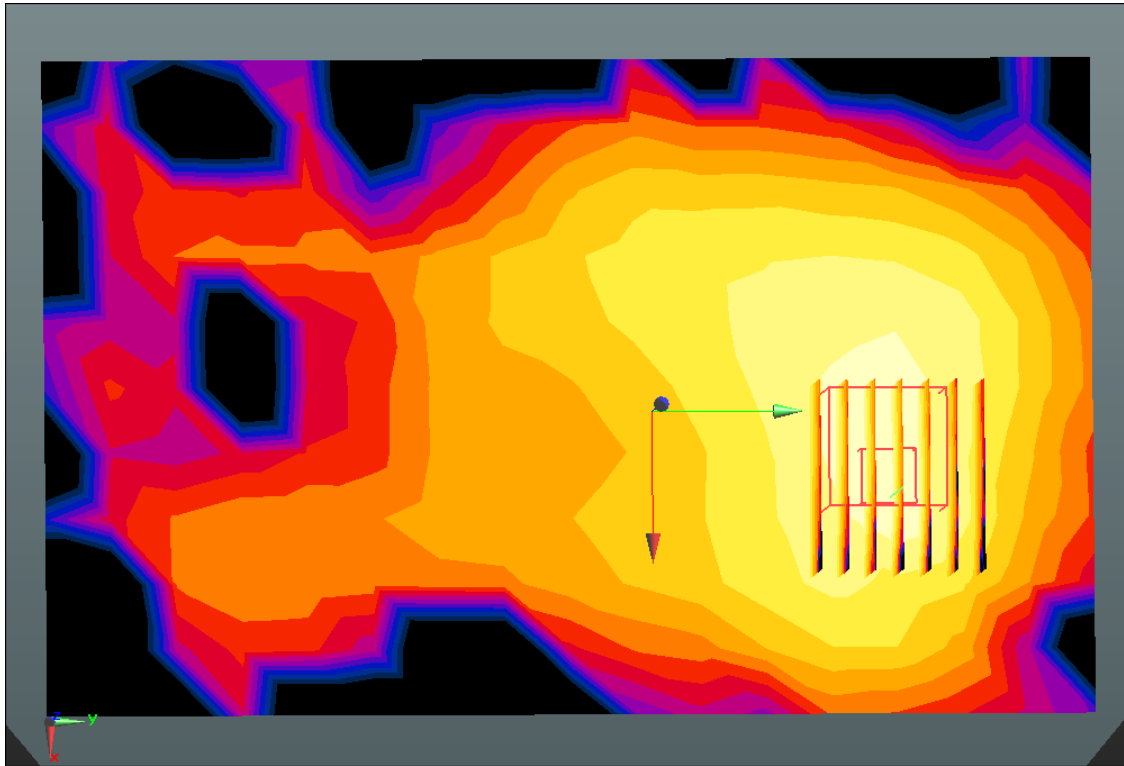
Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.298 W/kg

**SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.072 W/kg**



0 dB = 0.224 W/kg



Enlarged Plot for A32

## DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.992$  S/m;  $\epsilon_r = 52.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

**1 cm space from Body, Rear, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Ant.2**

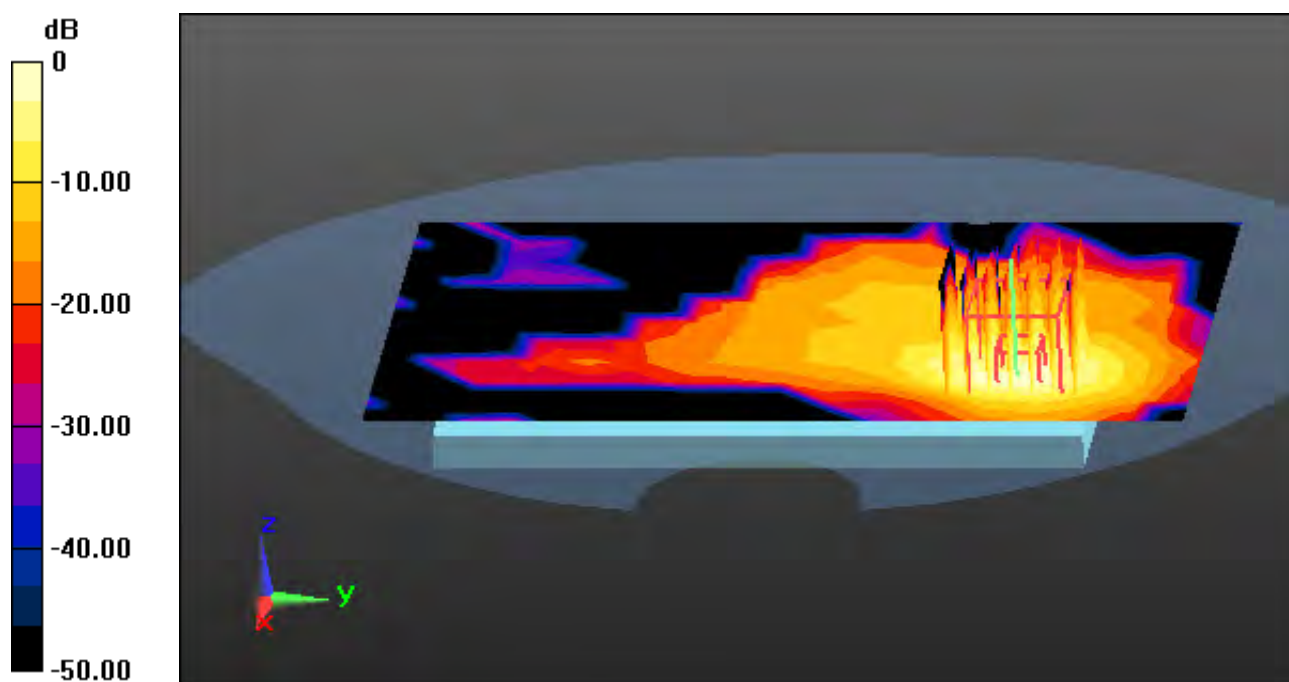
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

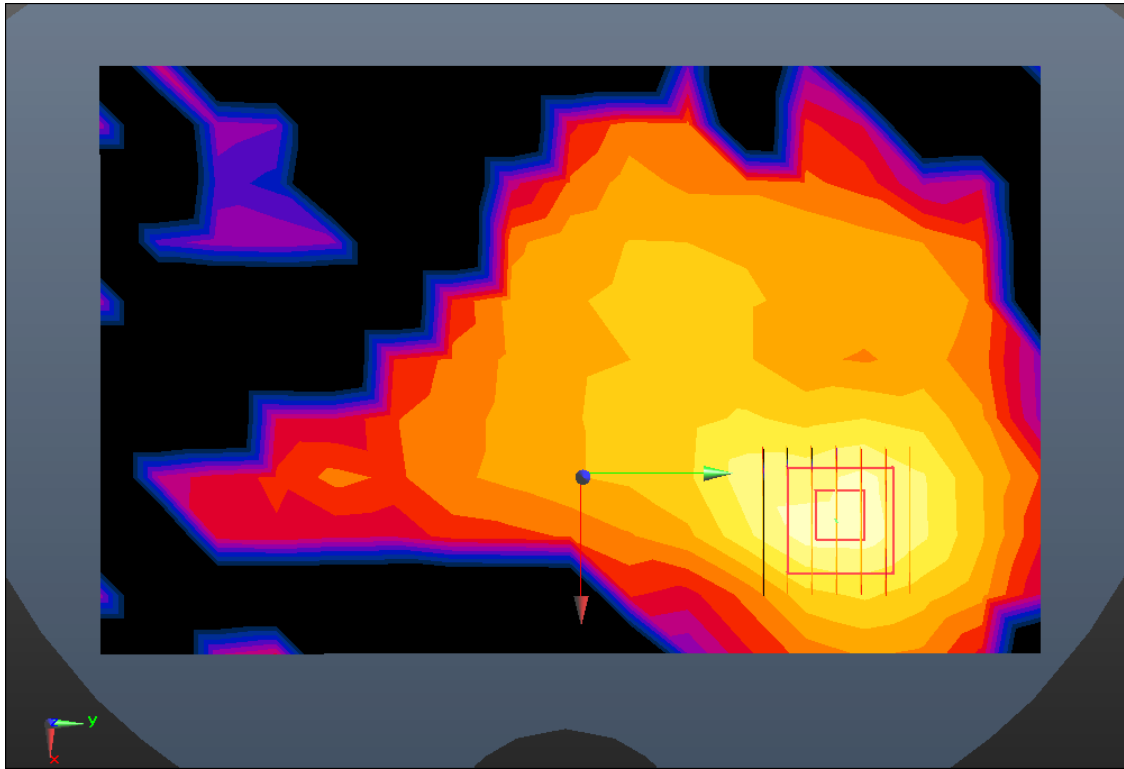
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.247 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.048 W/kg**



0 dB = 0.179 W/kg



Enlarged Plot for A33

## DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.961$  S/m;  $\epsilon_r = 52.396$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

**1 cm space from Body, Rear, W-LAN(802.11g - 2.4G) Ch. 6, Ant Internal, MIMO**

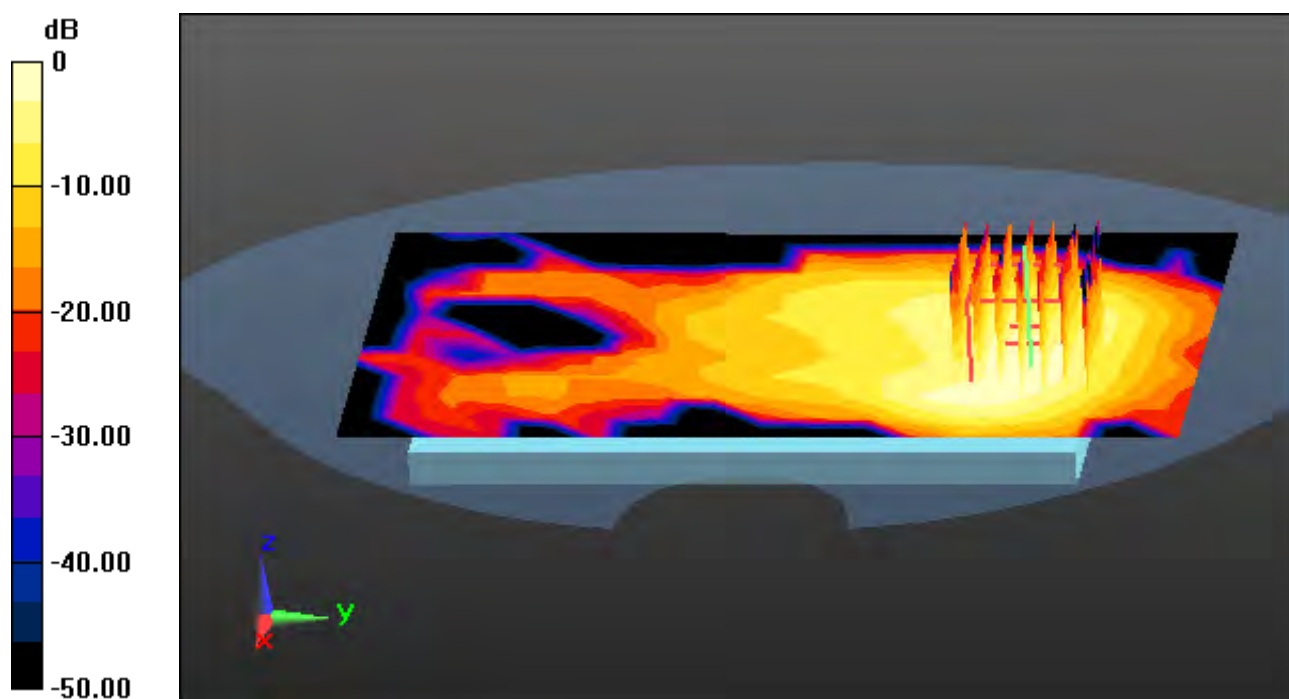
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

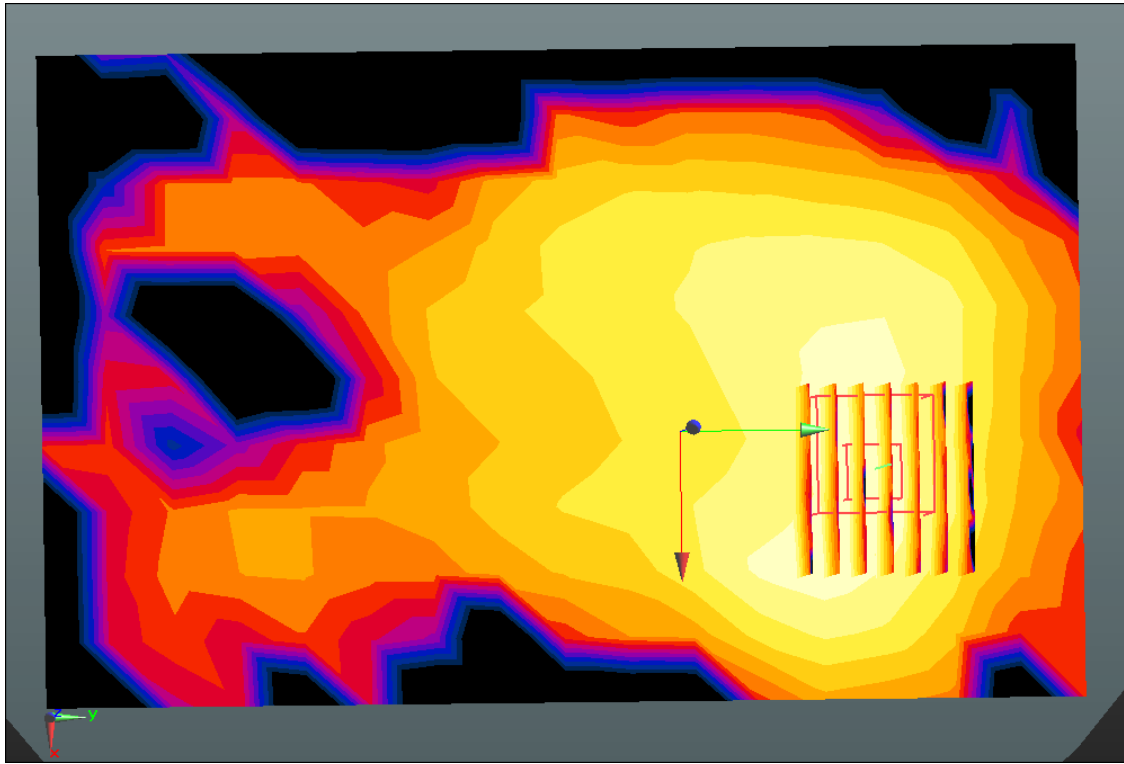
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.202 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.048 W/kg**



0 dB = 0.151 W/kg



Enlarged Plot for A34

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.353$  S/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

**1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Ant.1**

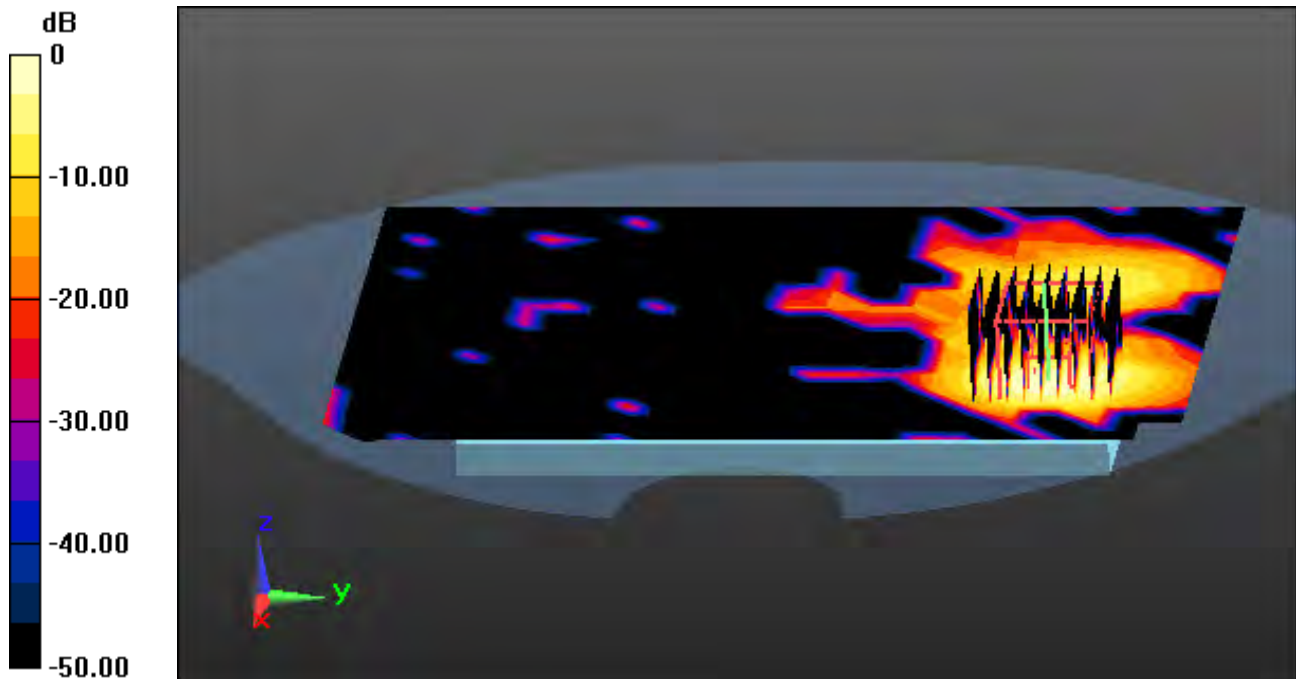
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

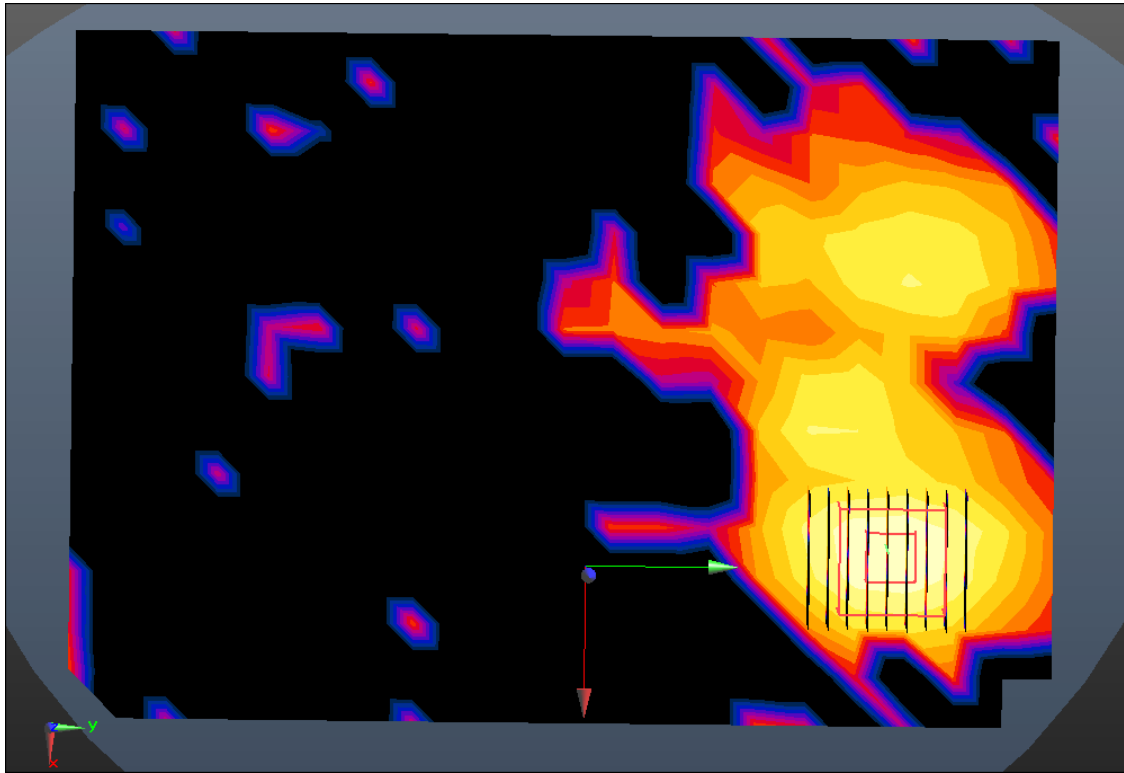
Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.383 W/kg

**SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.031 W/kg**



0 dB = 0.242 W/kg



Enlarged Plot for A35



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.353$  S/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

**1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Ant.2**

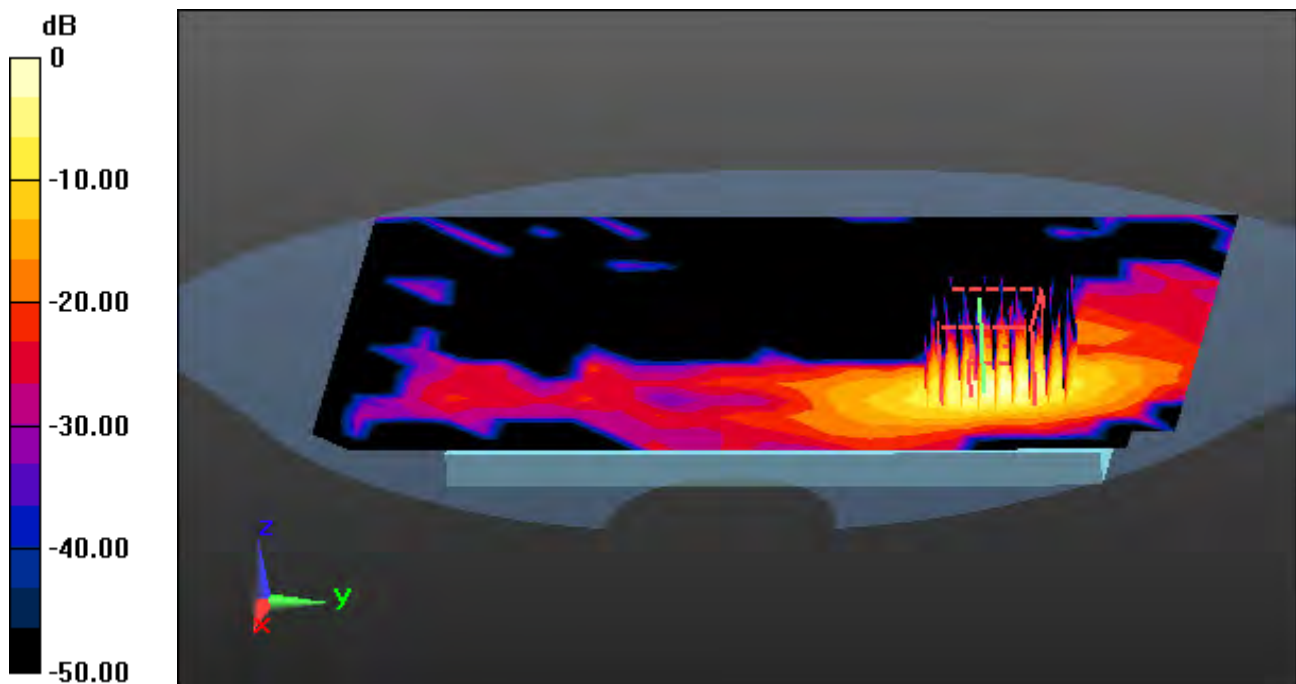
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

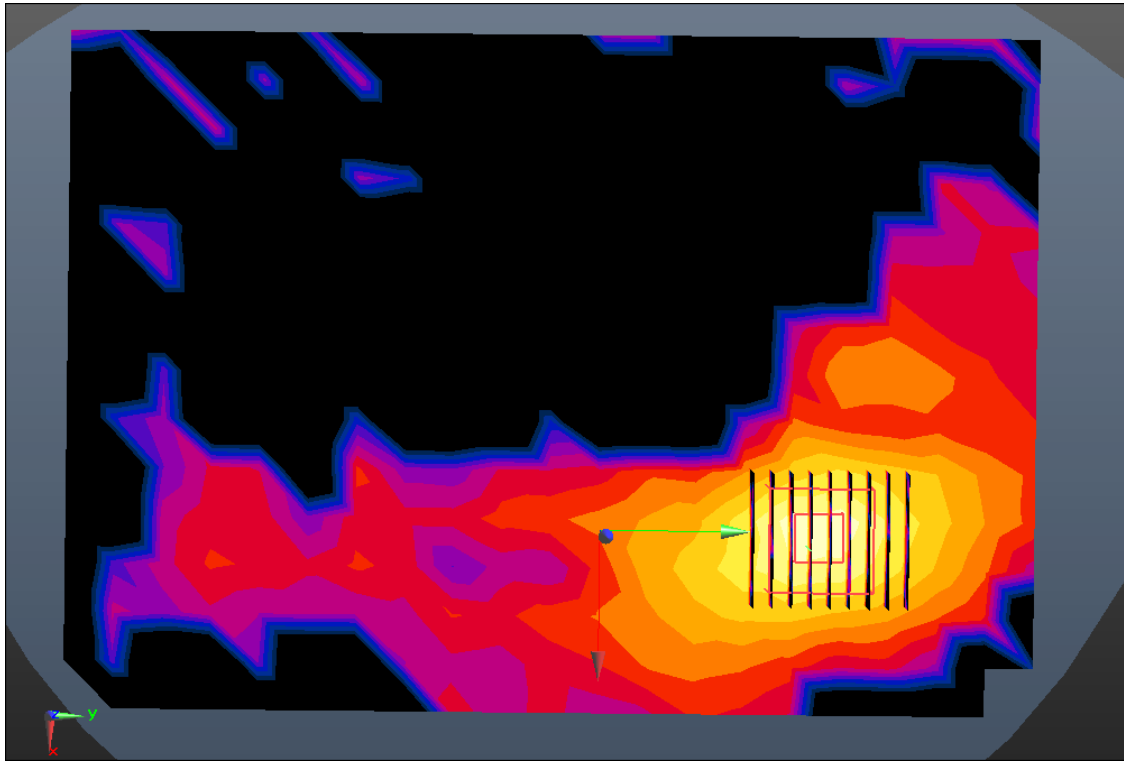
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.15 W/kg

SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.162 W/kg



0 dB = 1.45 W/kg



0 dB = 1.45 W/kg

Enlarged Plot for A36

## DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.353$  S/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

**1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, MIMO**

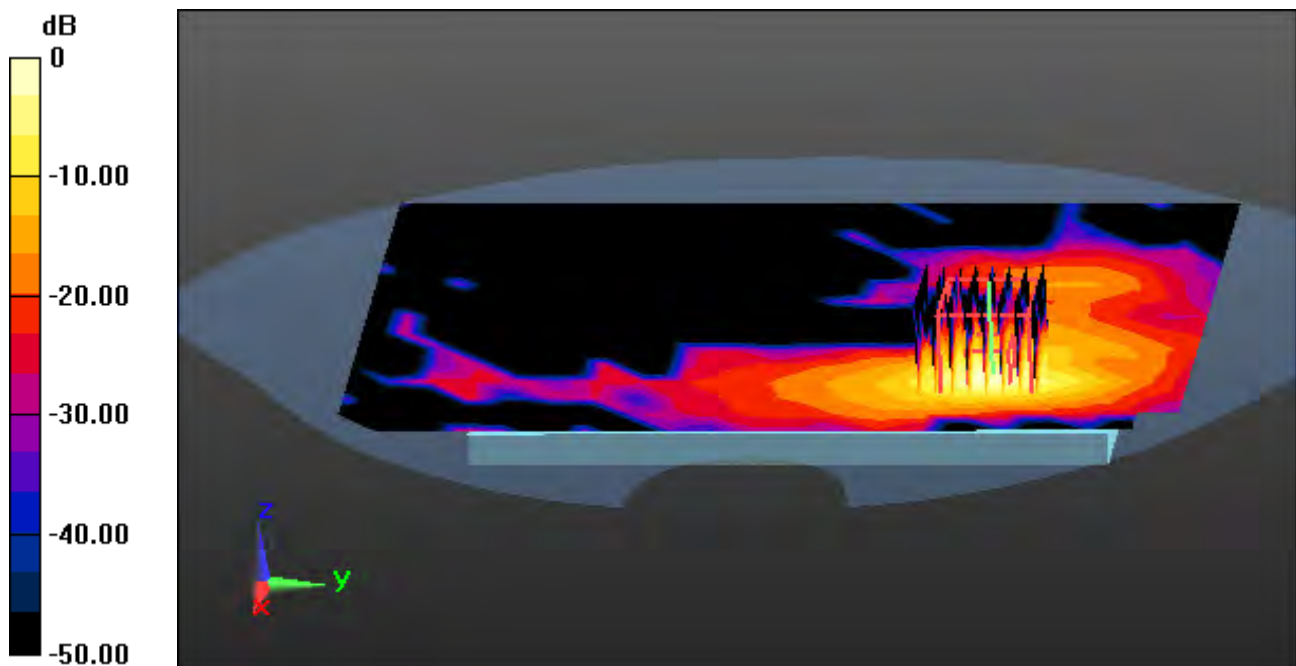
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

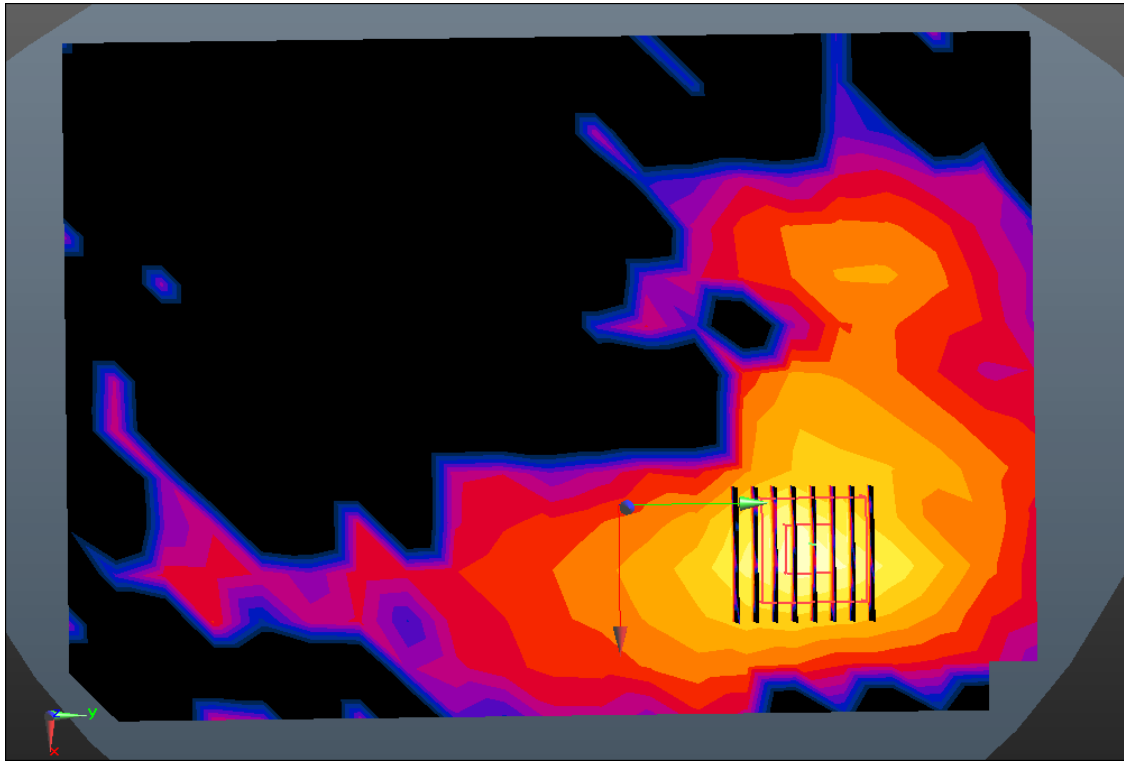
Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.67 W/kg

**SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.186 W/kg**



0 dB = 1.66 W/kg



Enlarged Plot for A37

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.986$  S/m;  $\epsilon_r = 47.106$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

**1 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.1**

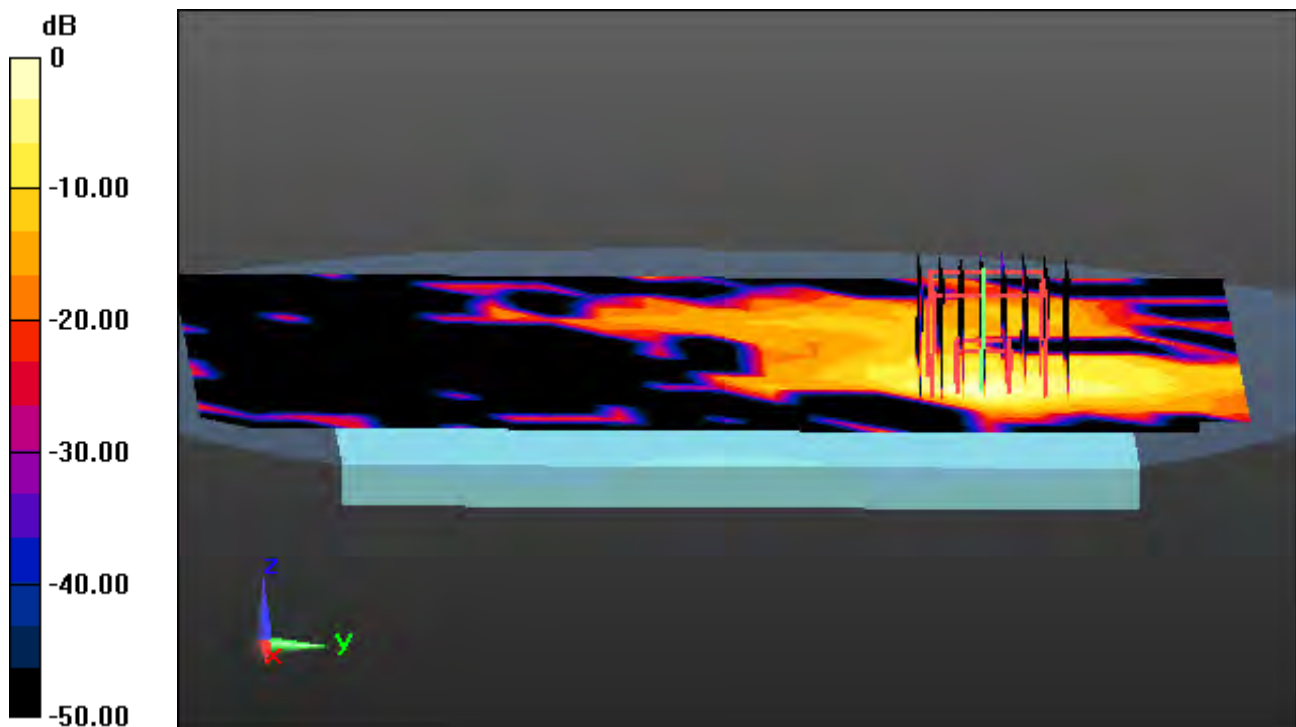
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

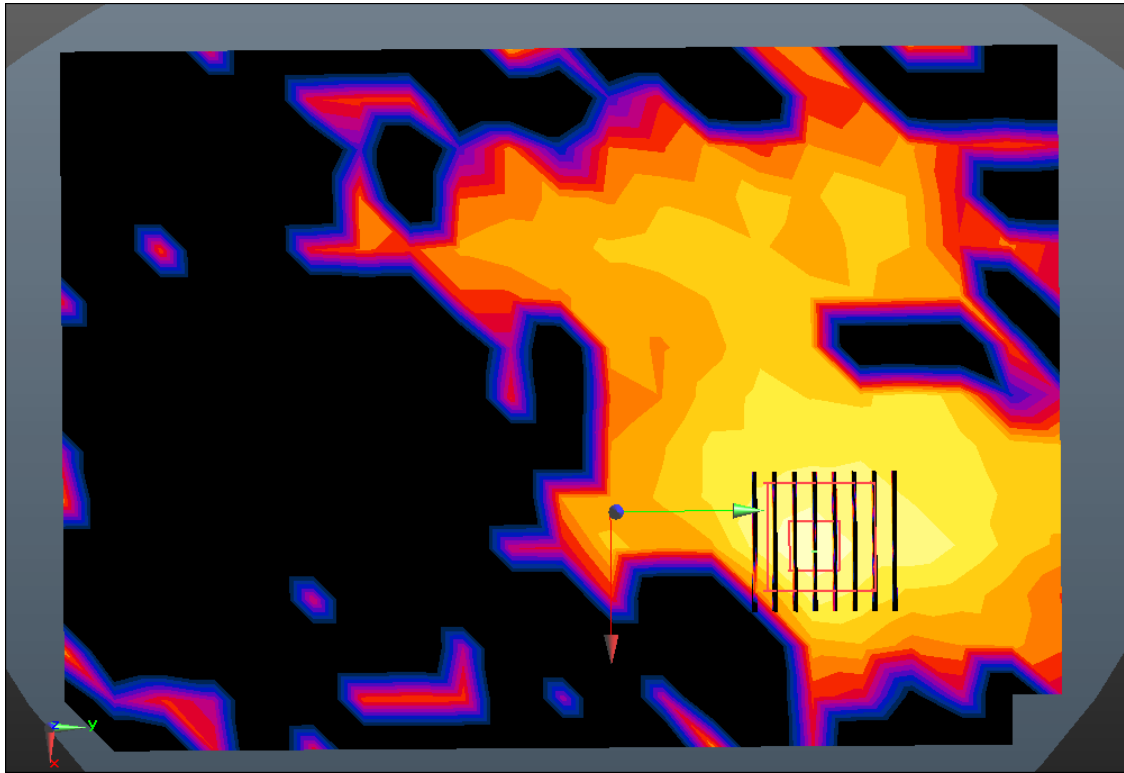
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.019 W/kg**



0 dB = 0.214 W/kg



Enlarged Plot for A38

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.986$  S/m;  $\epsilon_r = 47.106$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

**1 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.2**

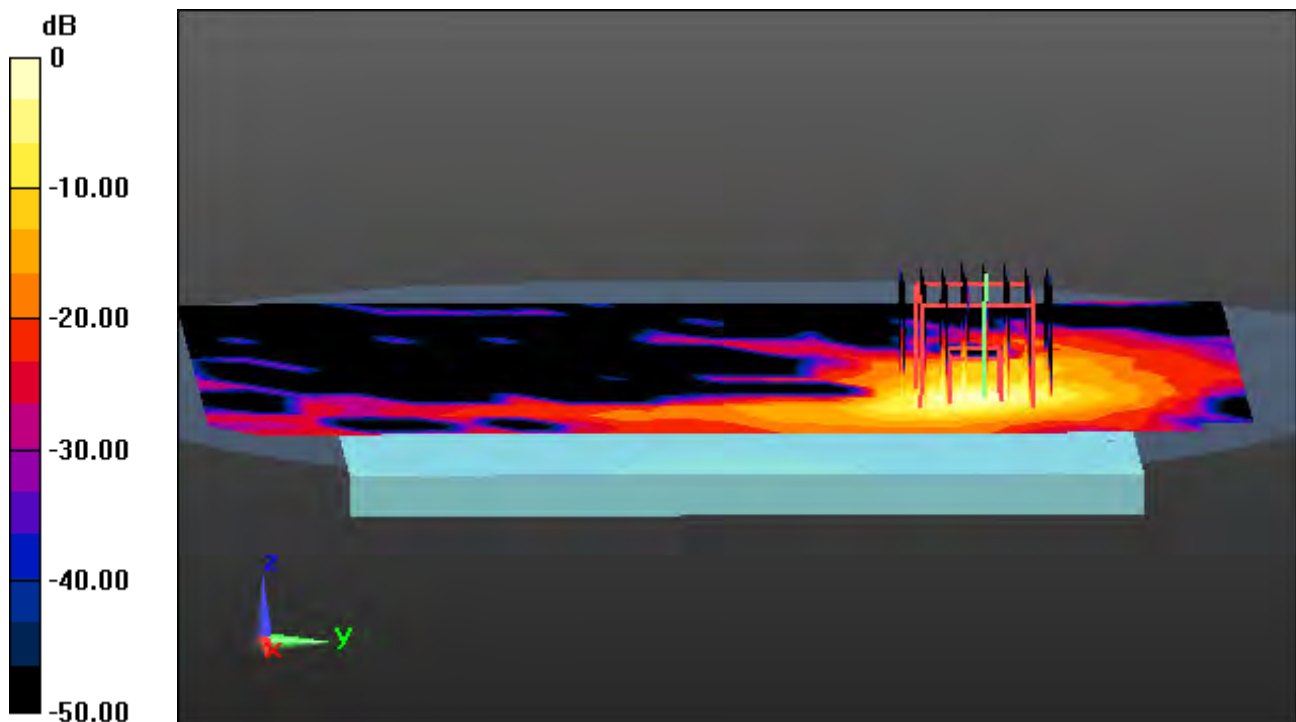
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

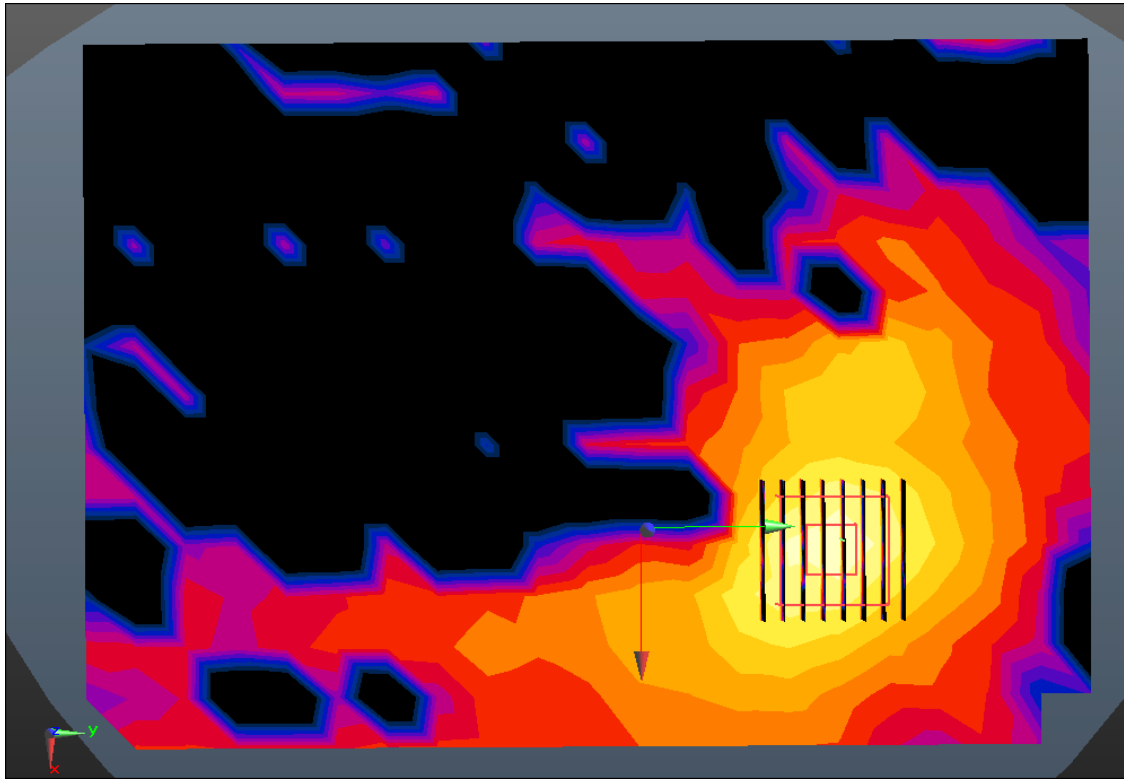
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.37 W/kg

**SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.156 W/kg**



0 dB = 1.38 W/kg



Enlarged Plot for A39



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.986$  S/m;  $\epsilon_r = 47.106$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

**1 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, MIMO**

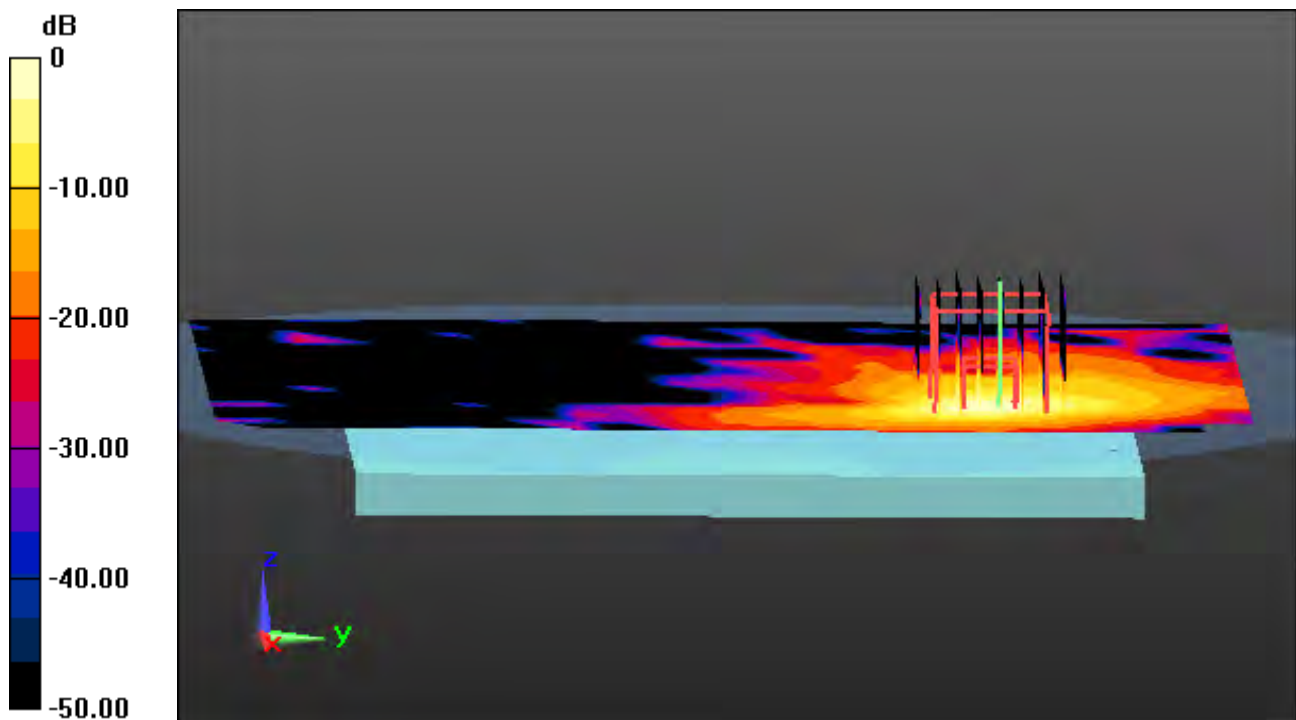
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

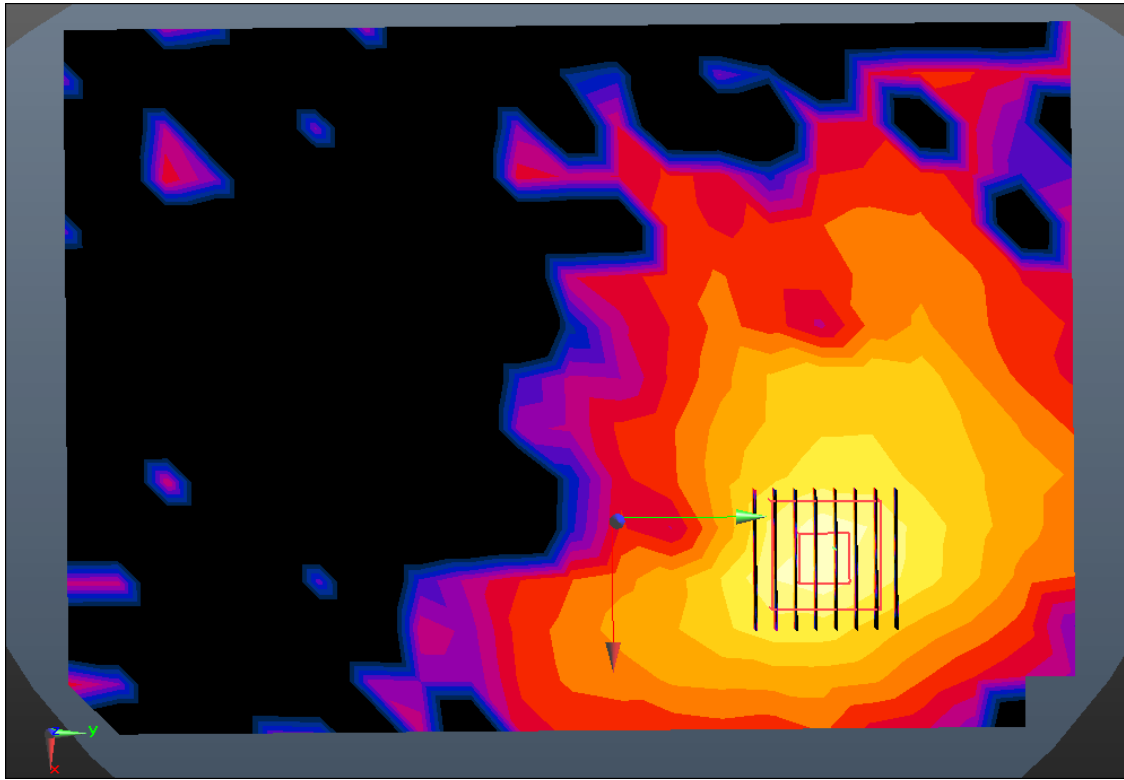
Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.44 W/kg

**SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.171 W/kg**



0 dB = 1.41 W/kg



Enlarged Plot for A40

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.078$  S/m;  $\epsilon_r = 48.006$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

**1 cm space from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Ant.1**

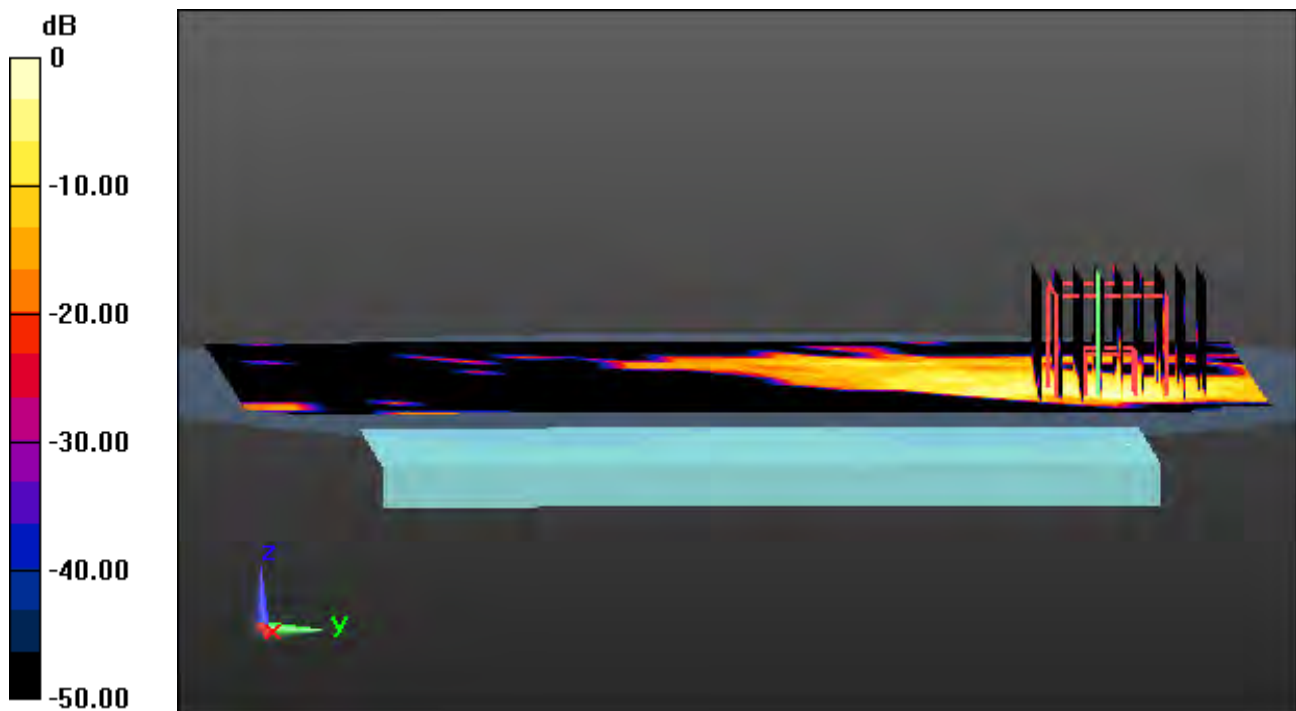
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

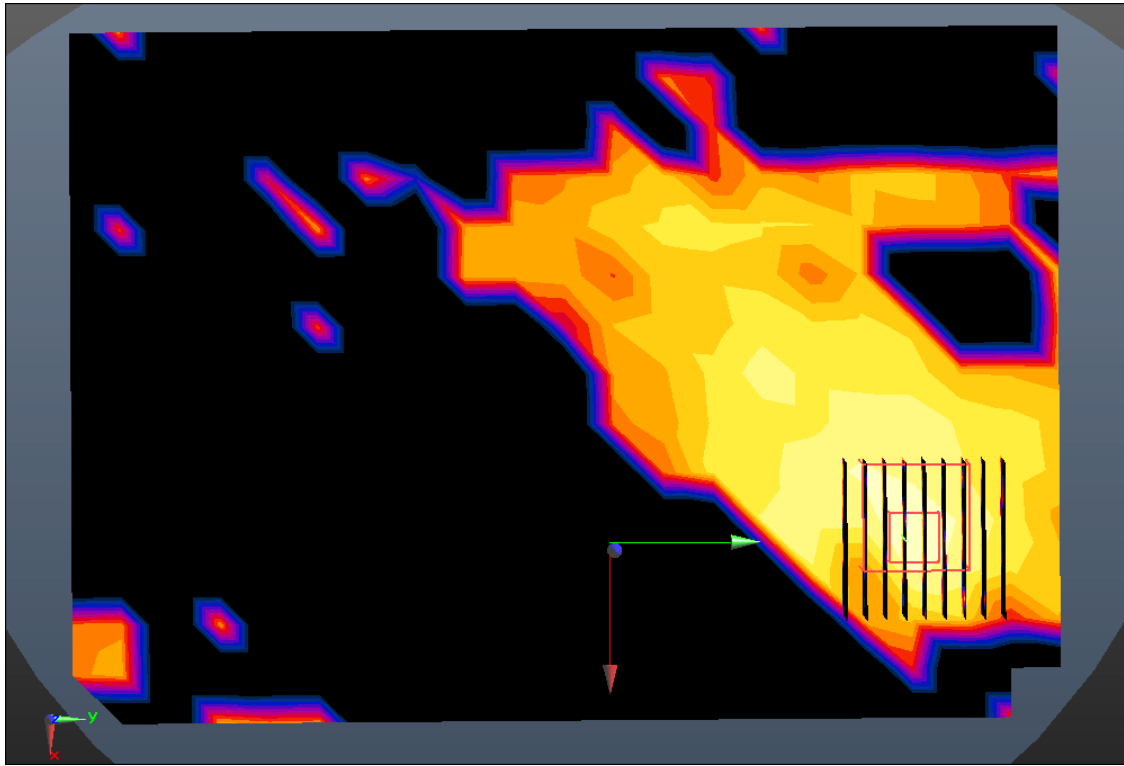
Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.201 W/kg

**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.00924 W/kg**



0 dB = 0.111 W/kg



Enlarged Plot for A41

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.078$  S/m;  $\epsilon_r = 48.006$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

**1 cm space from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Ant.2**

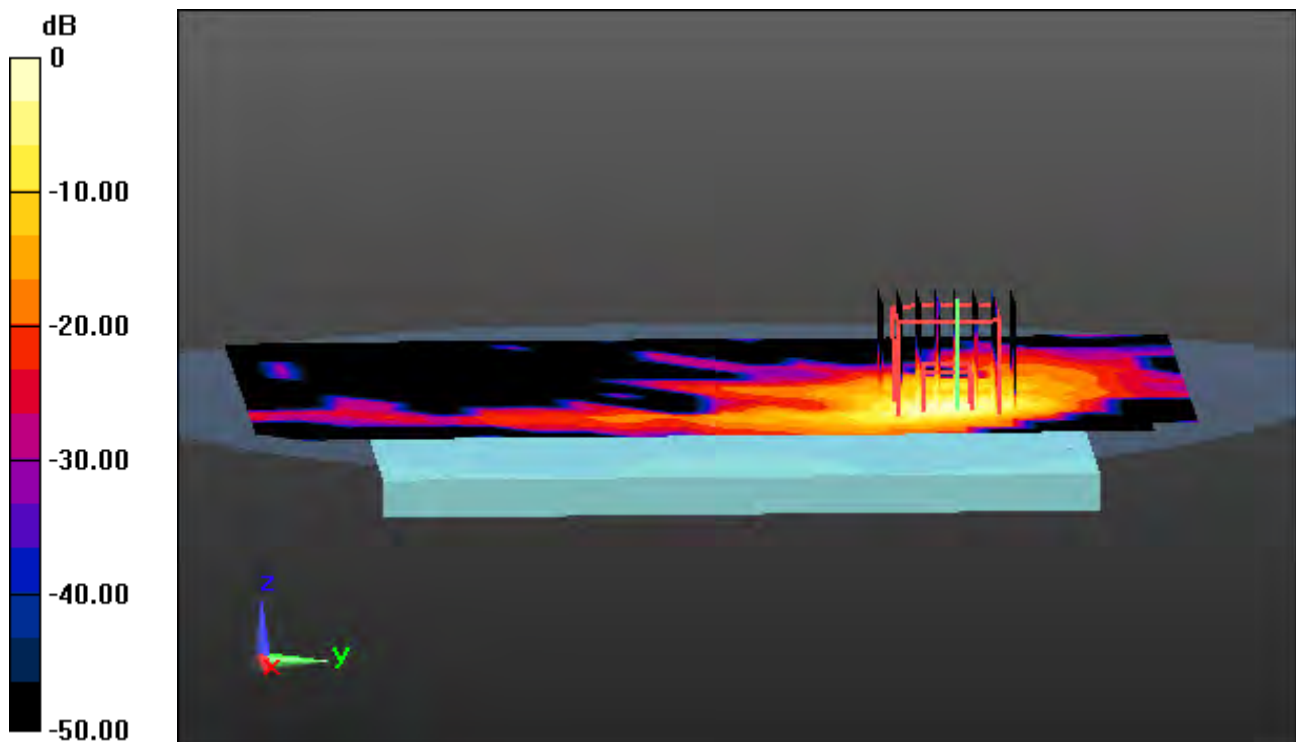
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

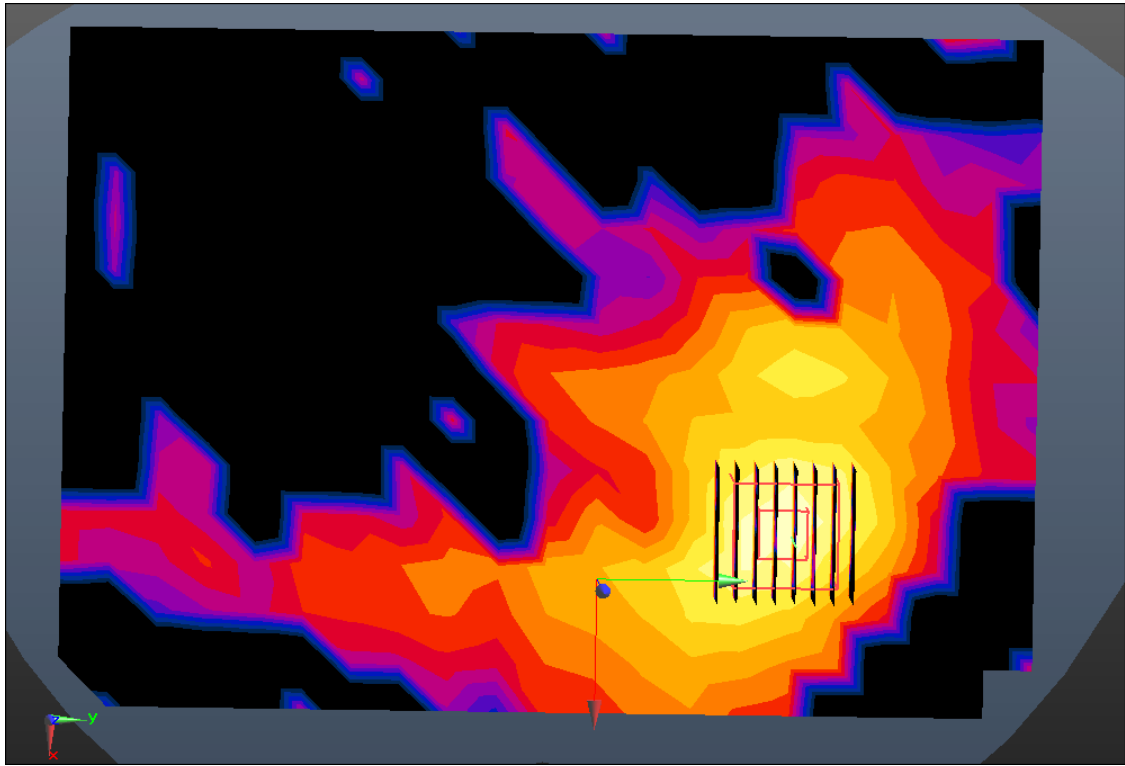
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.14 W/kg

**SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.137 W/kg**



0 dB = 1.19 W/kg



Enlarged Plot for A42

## DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.078$  S/m;  $\epsilon_r = 48.006$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

**1 cm spcae from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, MIMO**

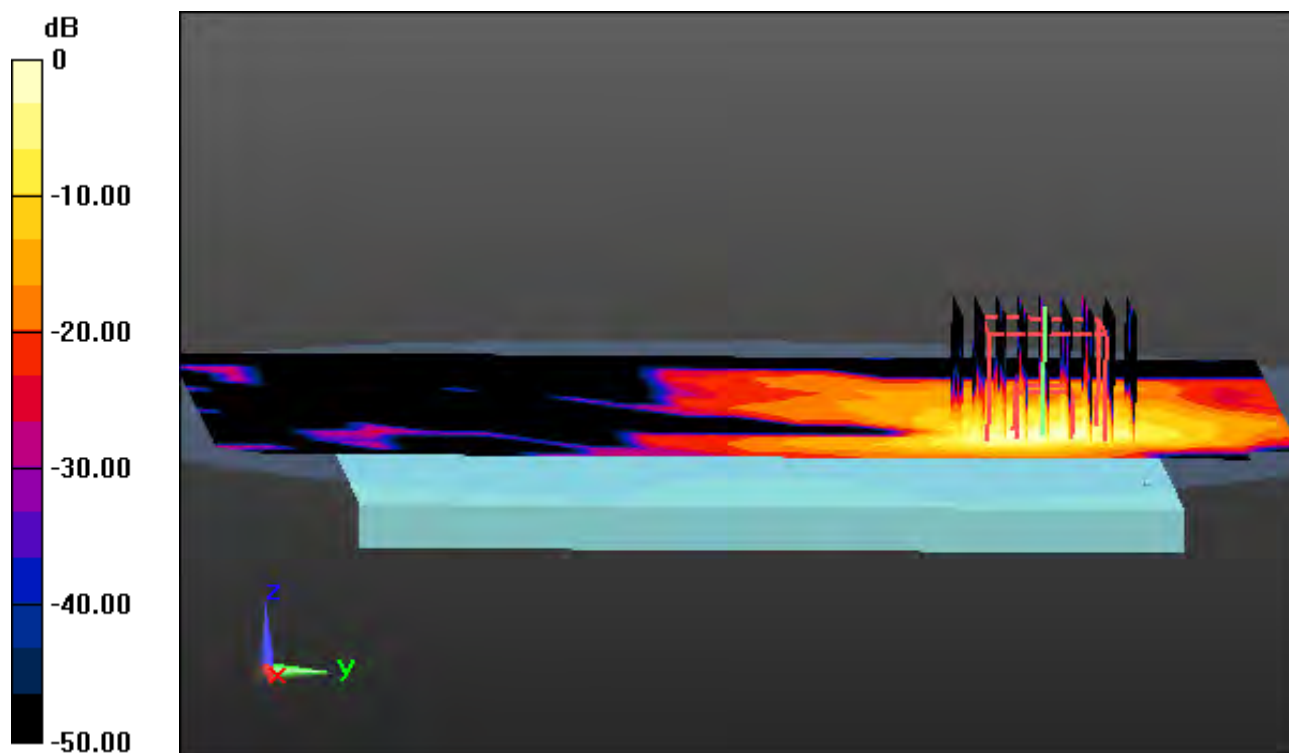
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

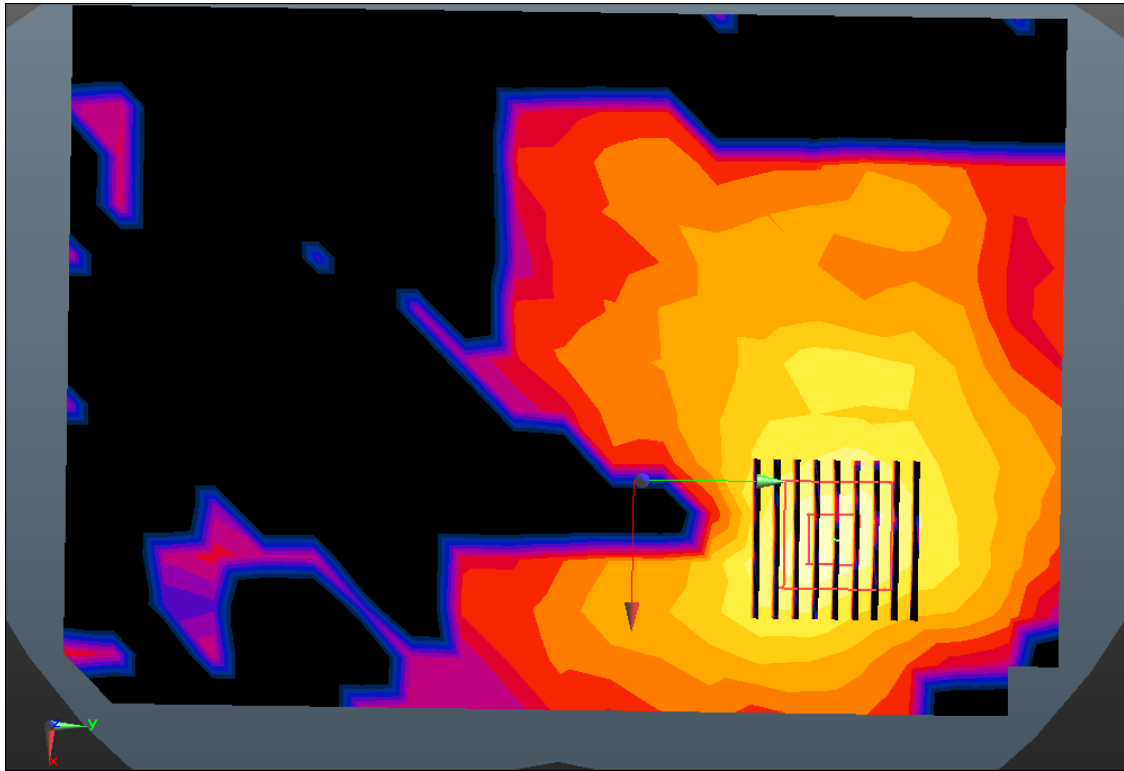
Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.01 W/kg

**SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.134 W/kg**



0 dB = 1.14 W/kg



Enlarged Plot for A43



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302  
Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.966$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

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

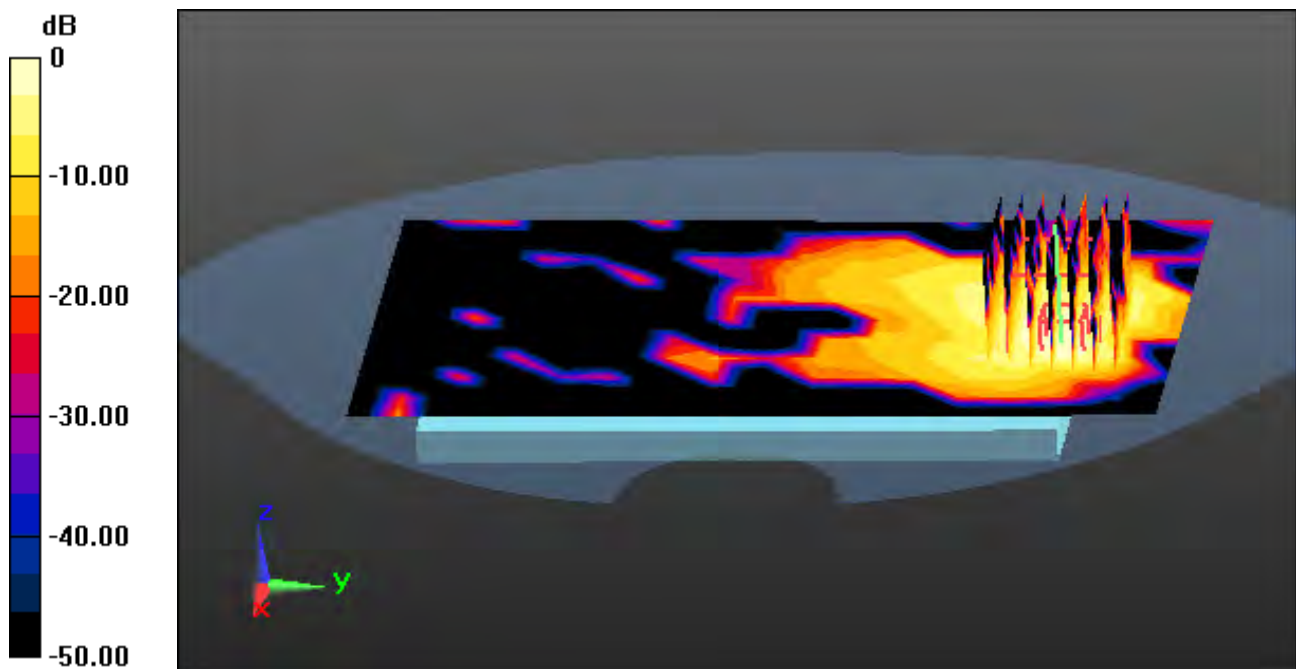
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (9x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

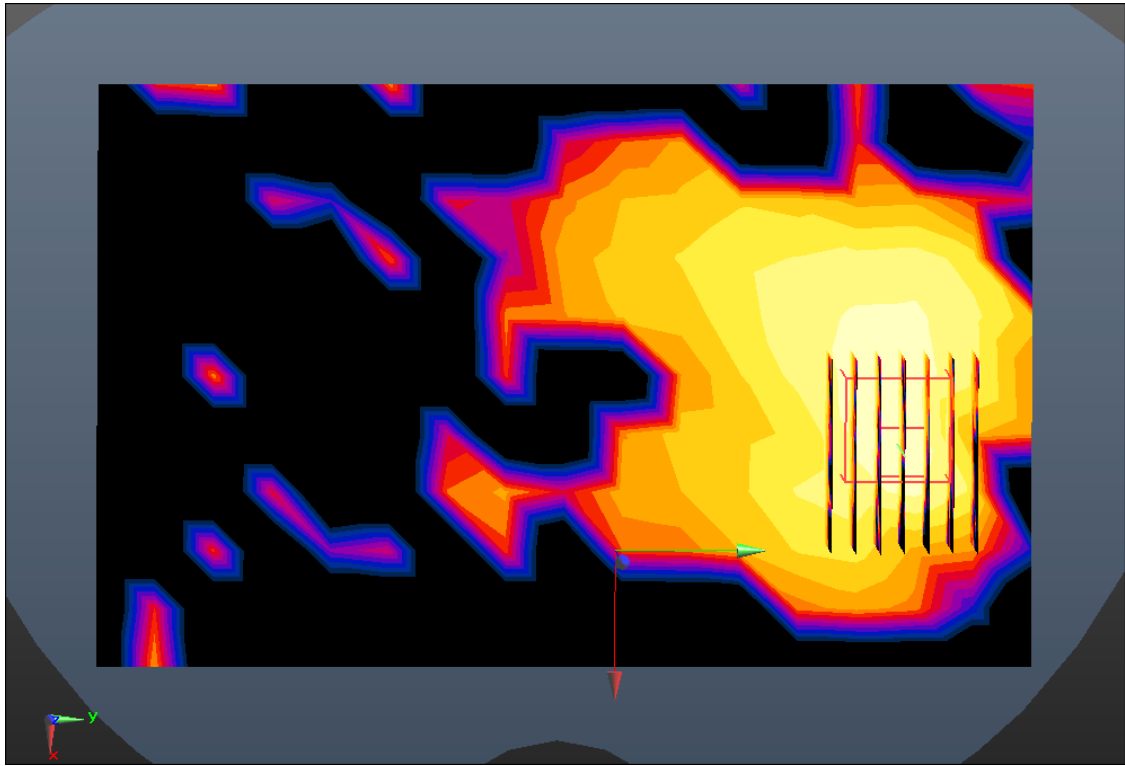
Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0690 W/kg

**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.011 W/kg**



0 dB = 0.0416 W/kg



Enlarged Plot for A44

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, PCS1900\_Class 11 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 51.737$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

**1 cm space from Body, Bottom, PCS1900 GPRS 3Tx Ch. 512, Ant Internal**

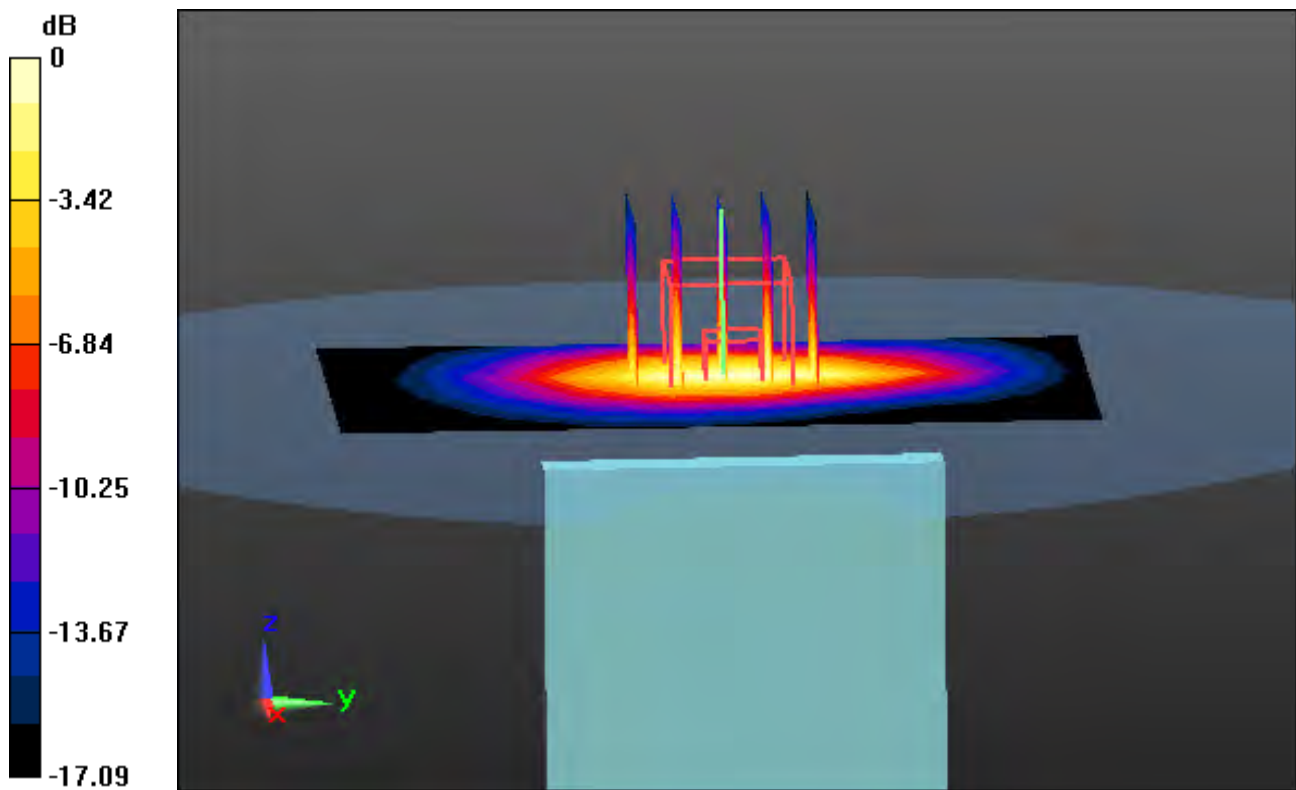
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

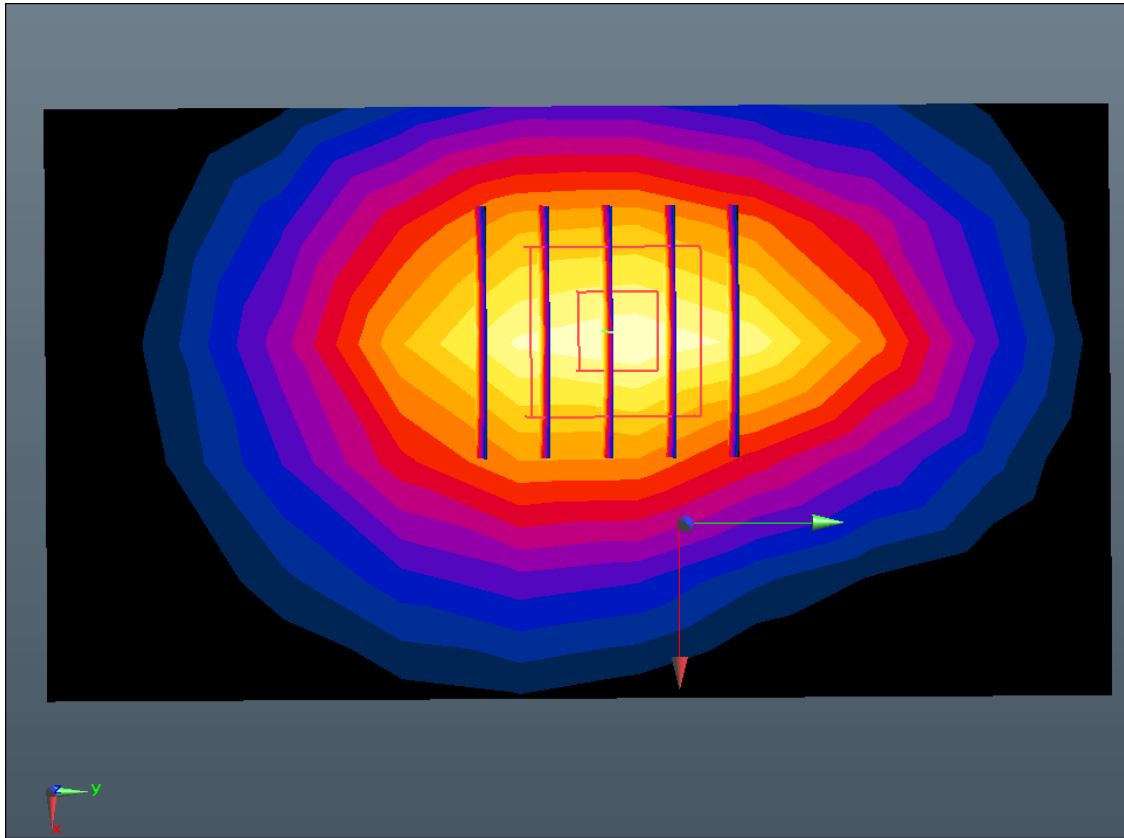
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.575 W/kg**



0 dB = 1.29 W/kg



Enlarged Plot for A45

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 51.985$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.7

**1 cm space from Body, Bottom, WCDMA Band 4 Ch. 1412, Ant Internal**

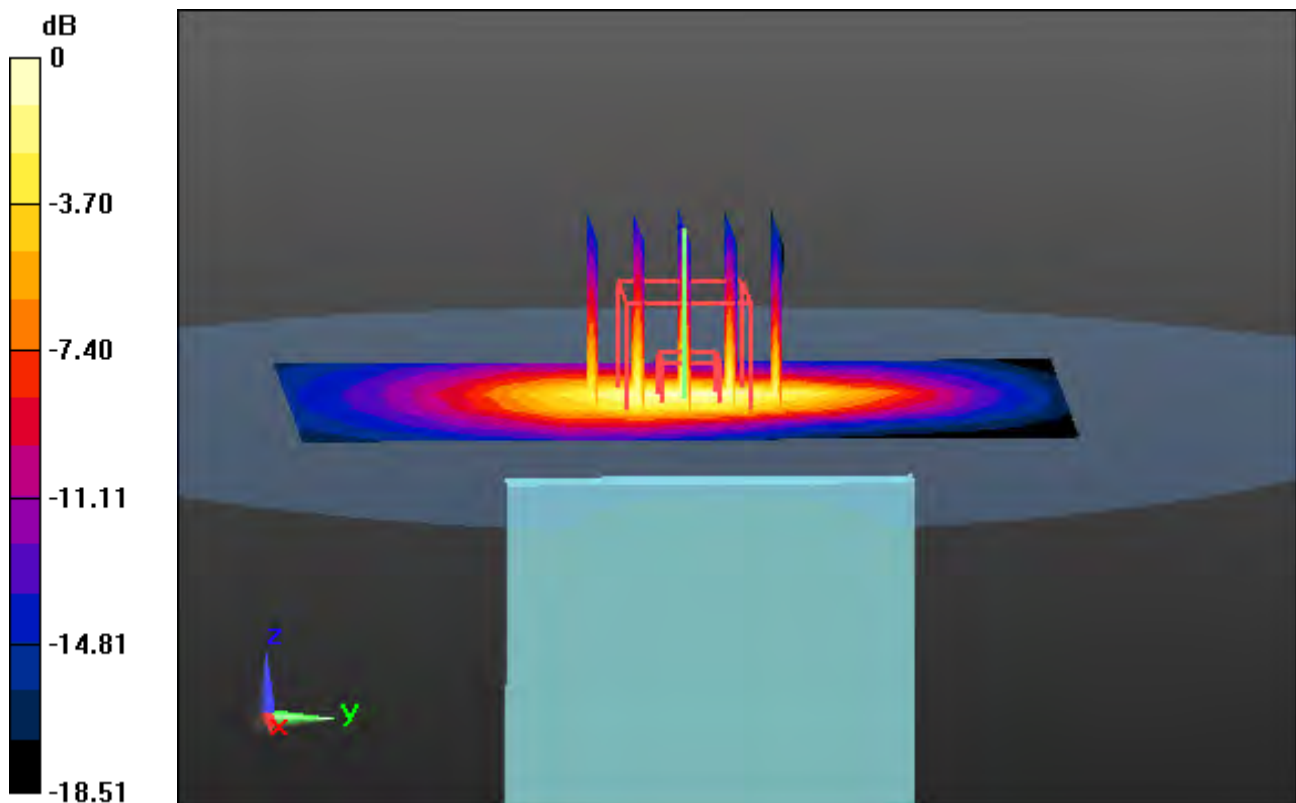
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

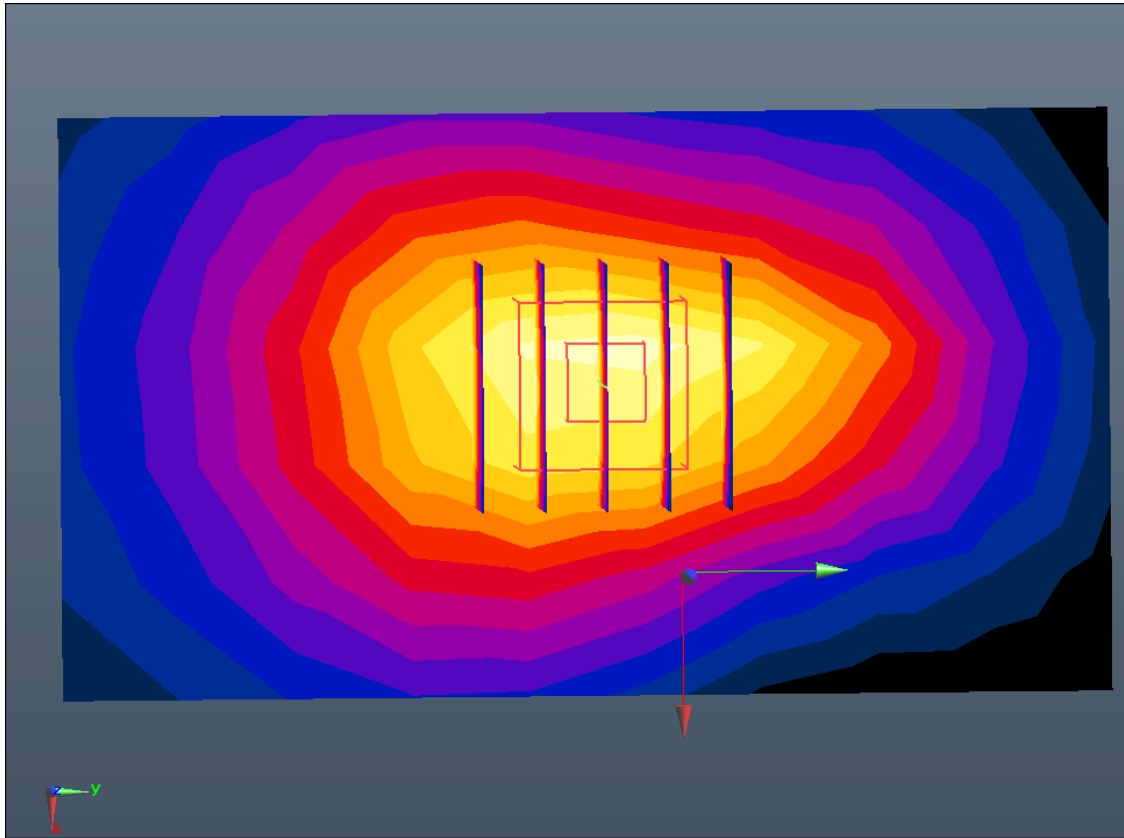
Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.396 W/kg**



0 dB = 0.909 W/kg



Enlarged Plot for A46

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.506$  S/m;  $\epsilon_r = 51.978$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

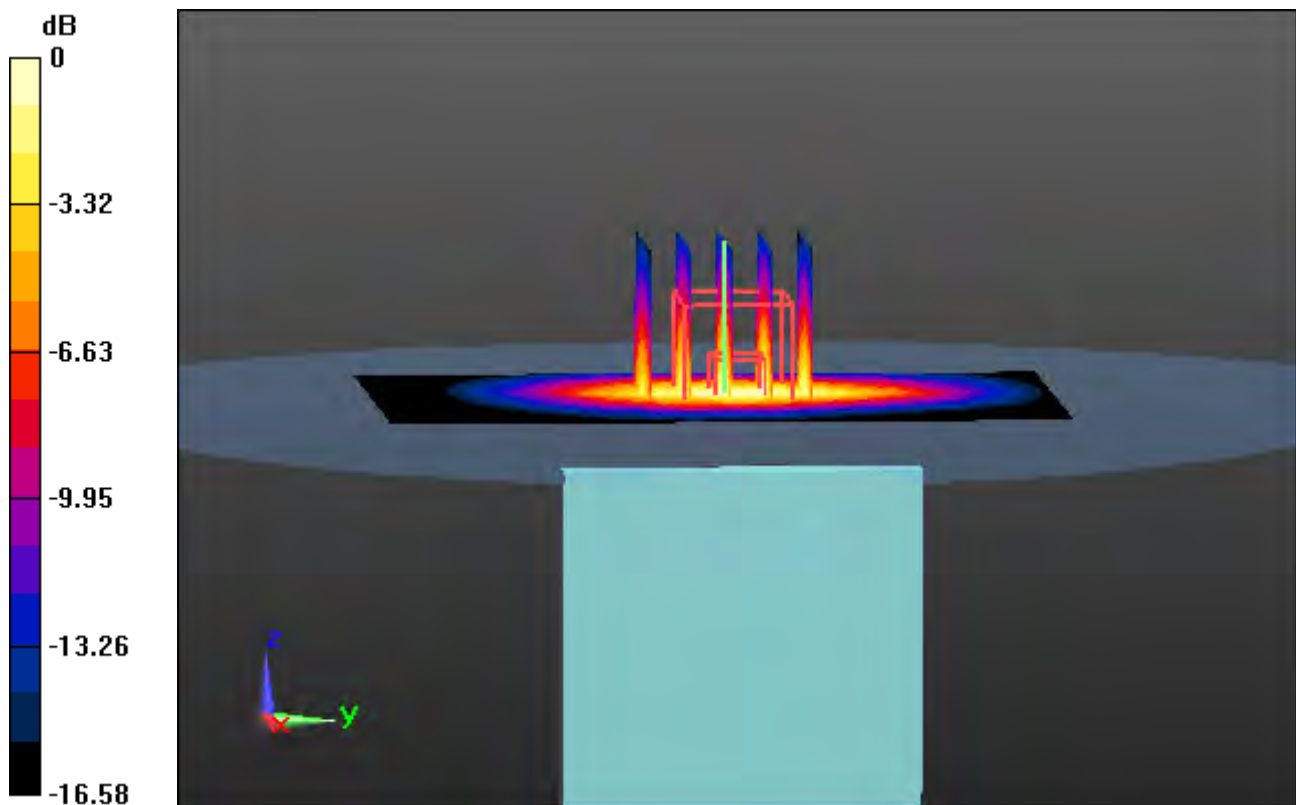
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

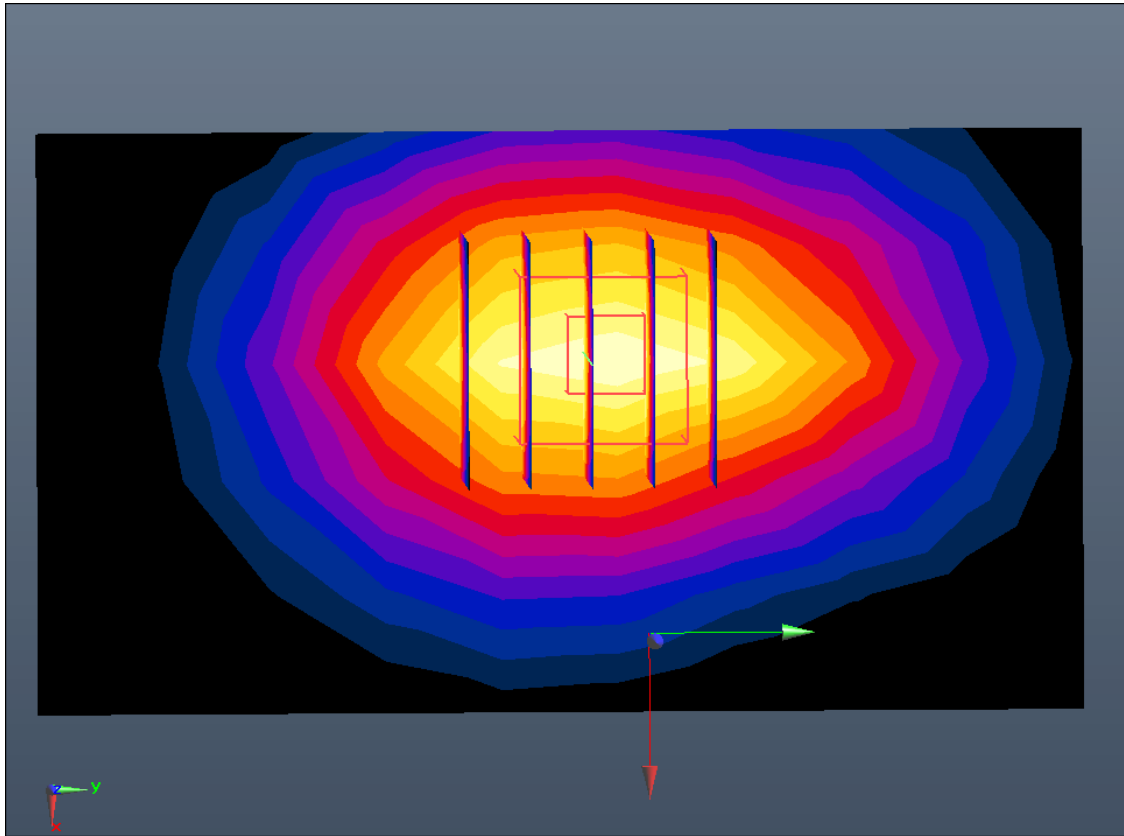
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.489 W/kg**



0 dB = 1.07 W/kg



Enlarged Plot for A47



# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.444$  S/m;  $\epsilon_r = 52.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.8

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

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

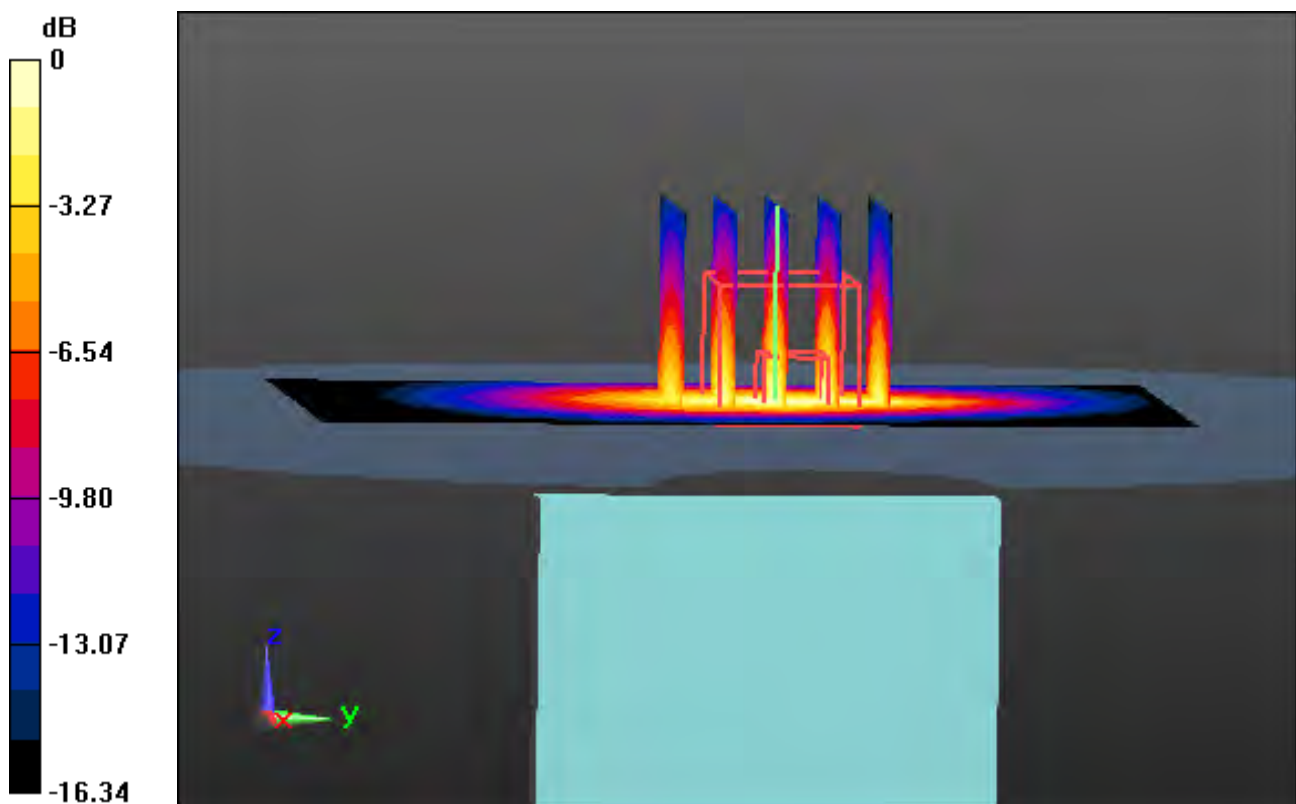
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

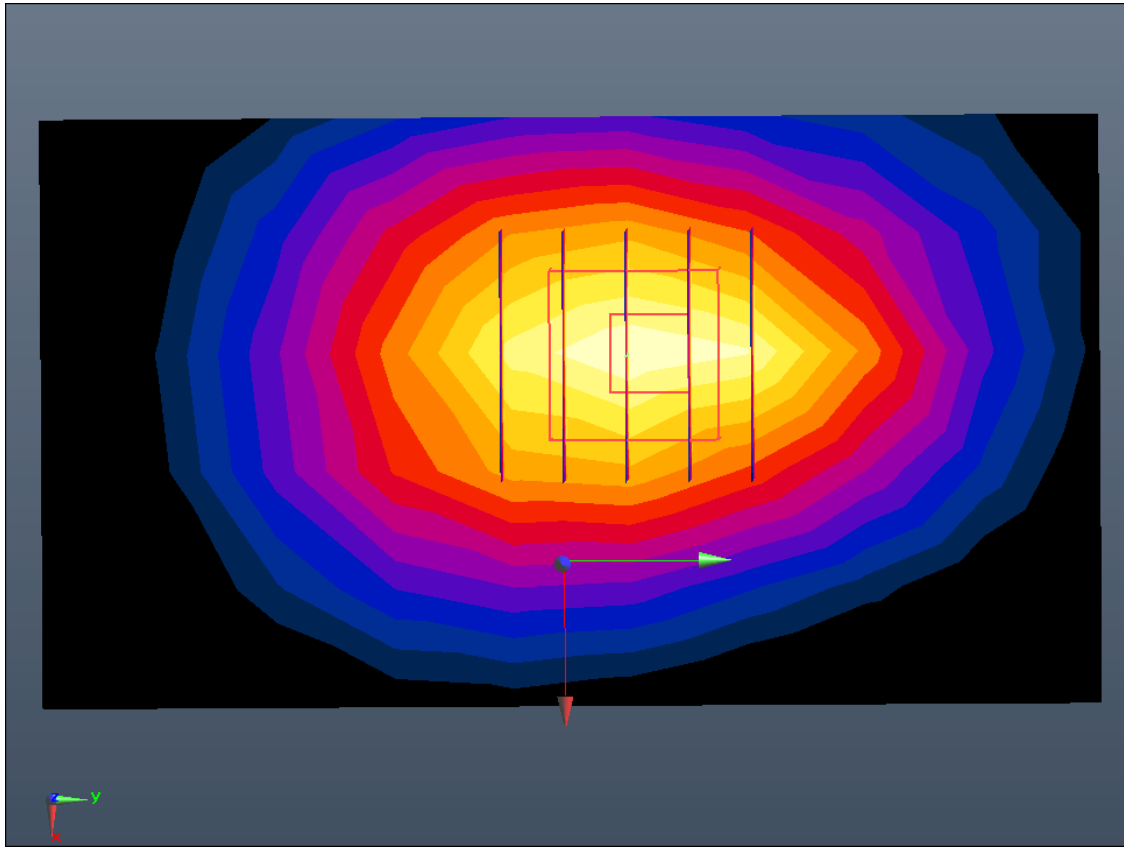
Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.382 W/kg**



0 dB = 0.828 W/kg



Enlarged Plot for A48

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.548$  S/m;  $\epsilon_r = 51.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: 1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.1

**1 cm space from Body, Bottom, LTE Band 2 Ch. 19100, Ant Internal**

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

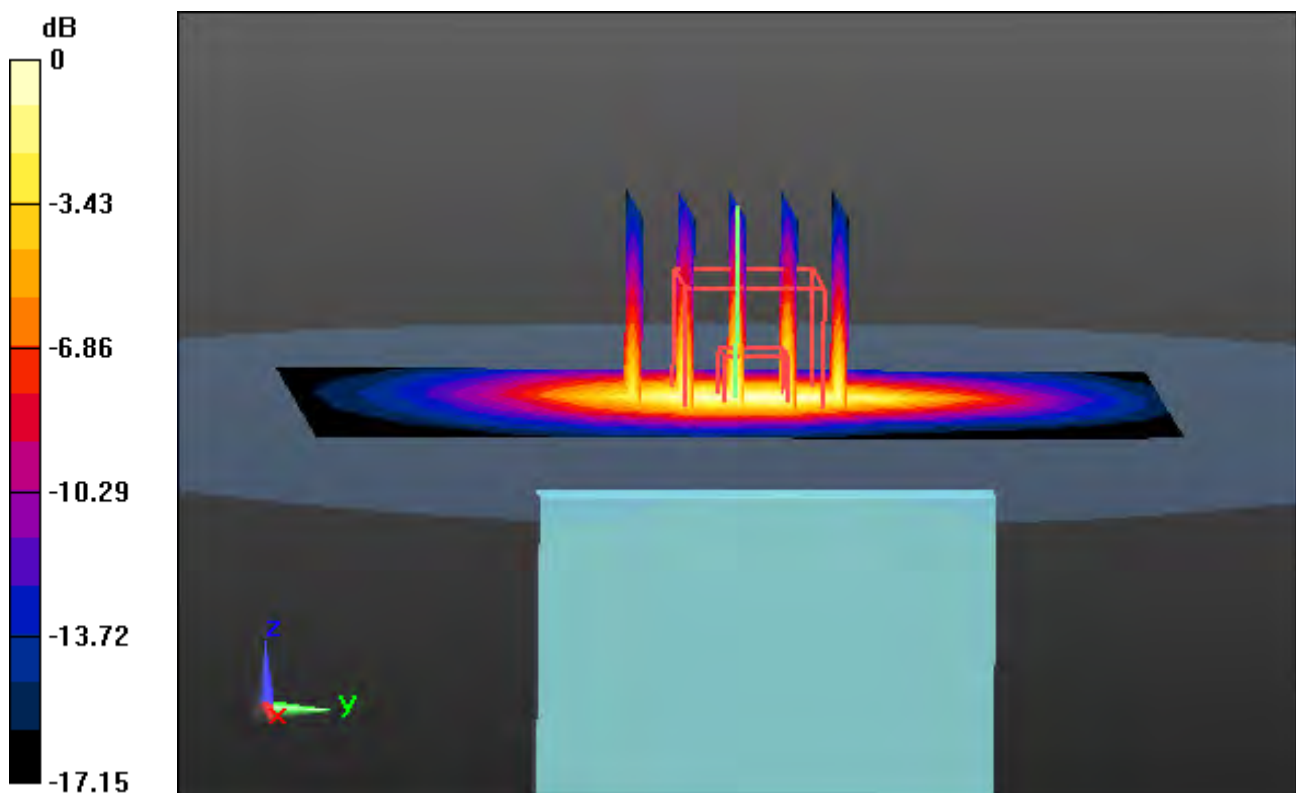
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

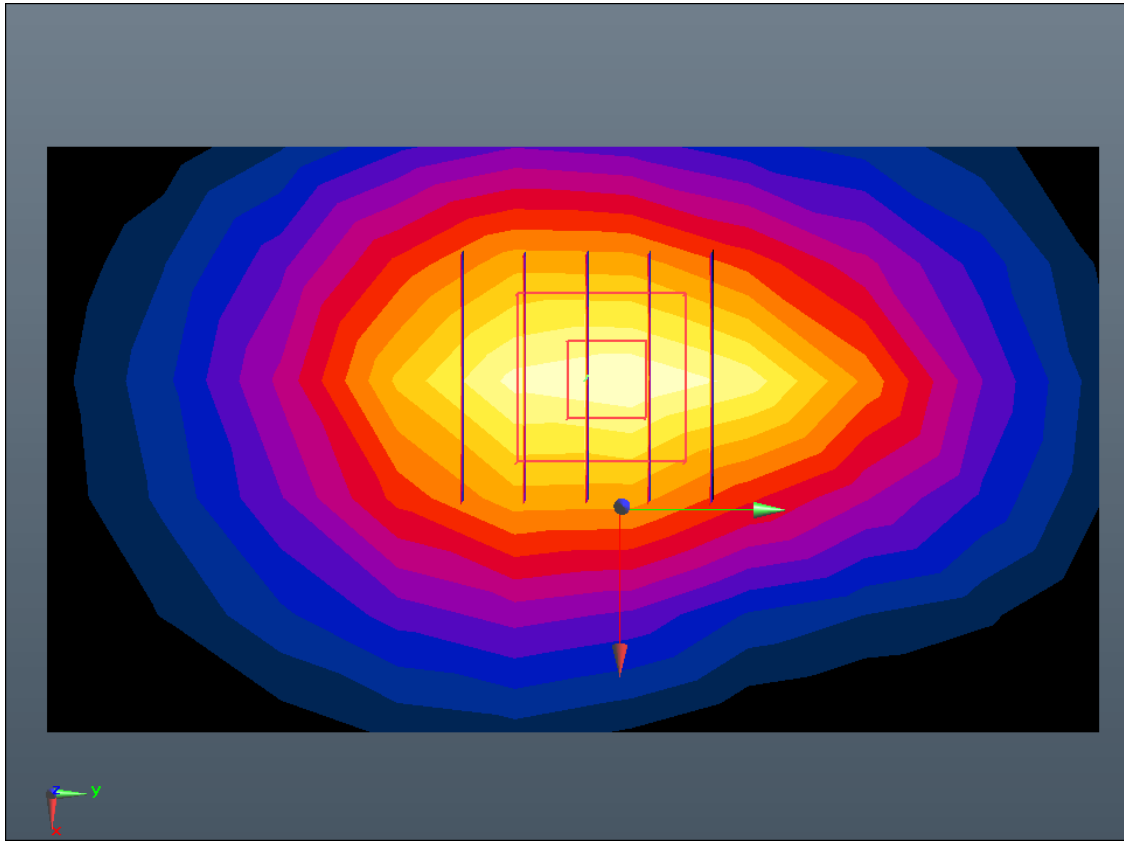
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.476 W/kg**



0 dB = 1.05 W/kg



Enlarged Plot for A49

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.432$  S/m;  $\epsilon_r = 47.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.0

**Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 64, Ant Internal, Ant.1**

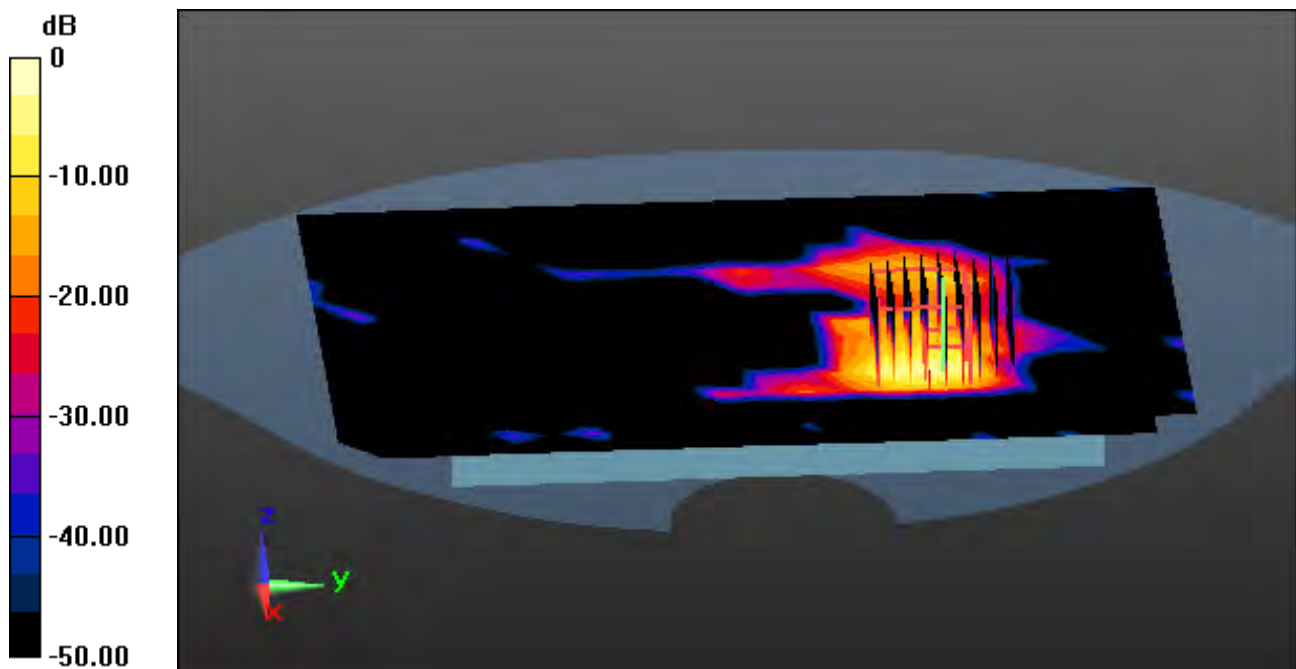
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.03 dB

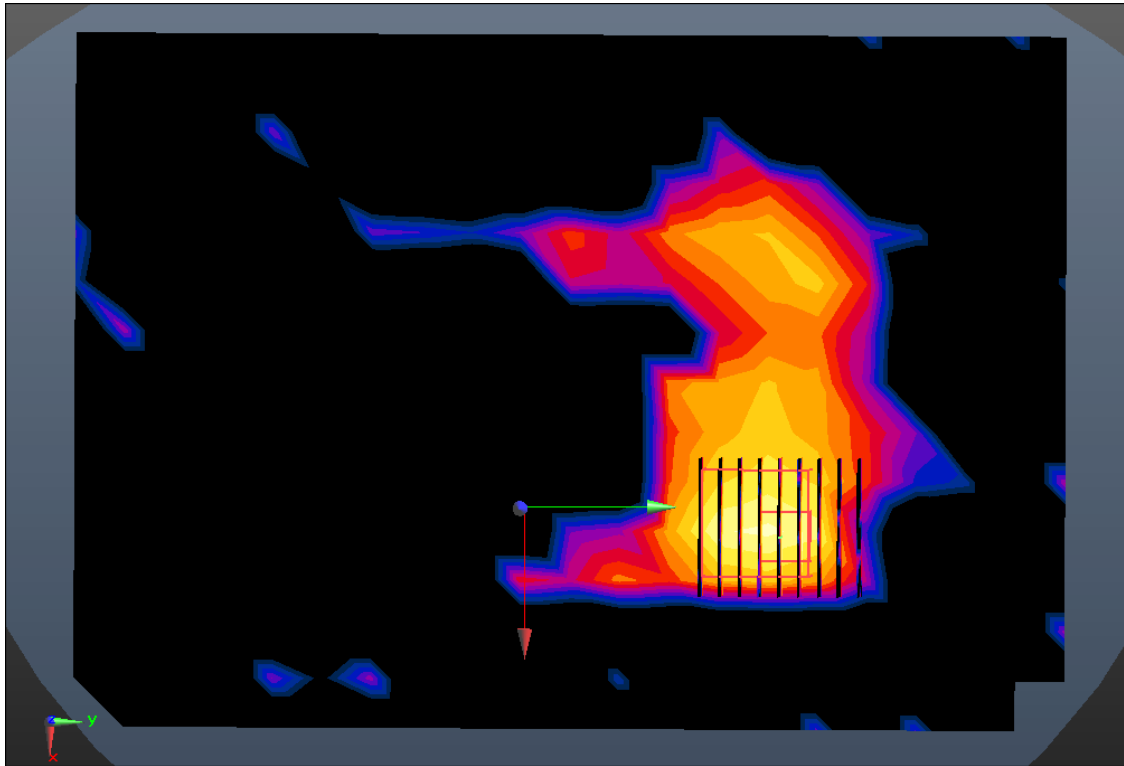
Peak SAR (extrapolated) = 4.70 W/kg

**SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.159 W/kg**

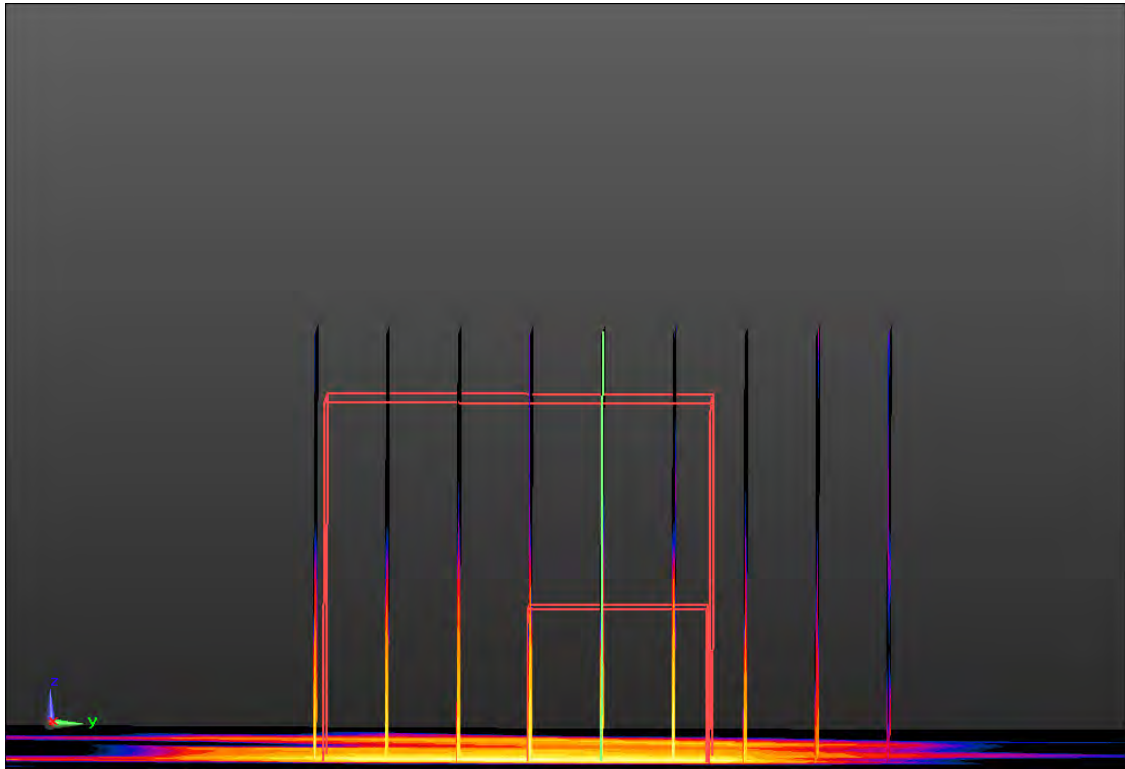


0 dB = 2.43 W/kg

A50



Enlarged Plot for A50



Enlarged Plot for A50

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.432$  S/m;  $\epsilon_r = 47.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.0

**Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 64, Ant Internal, Ant.2**

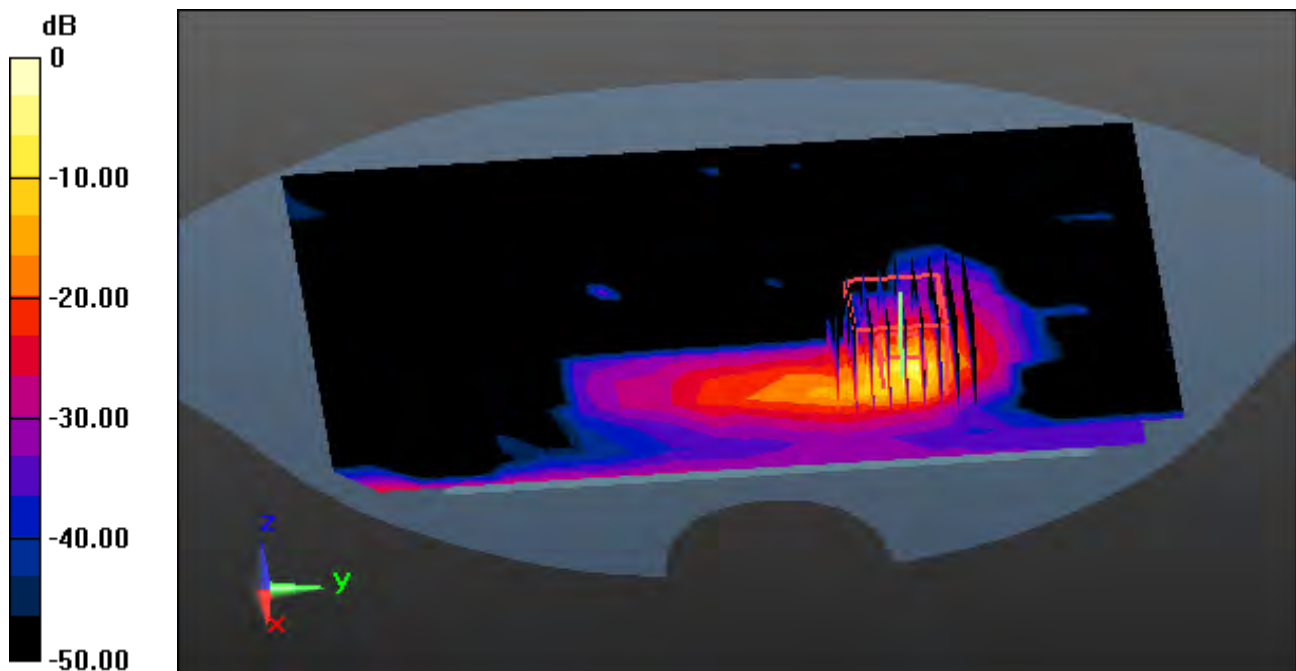
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.02 dB

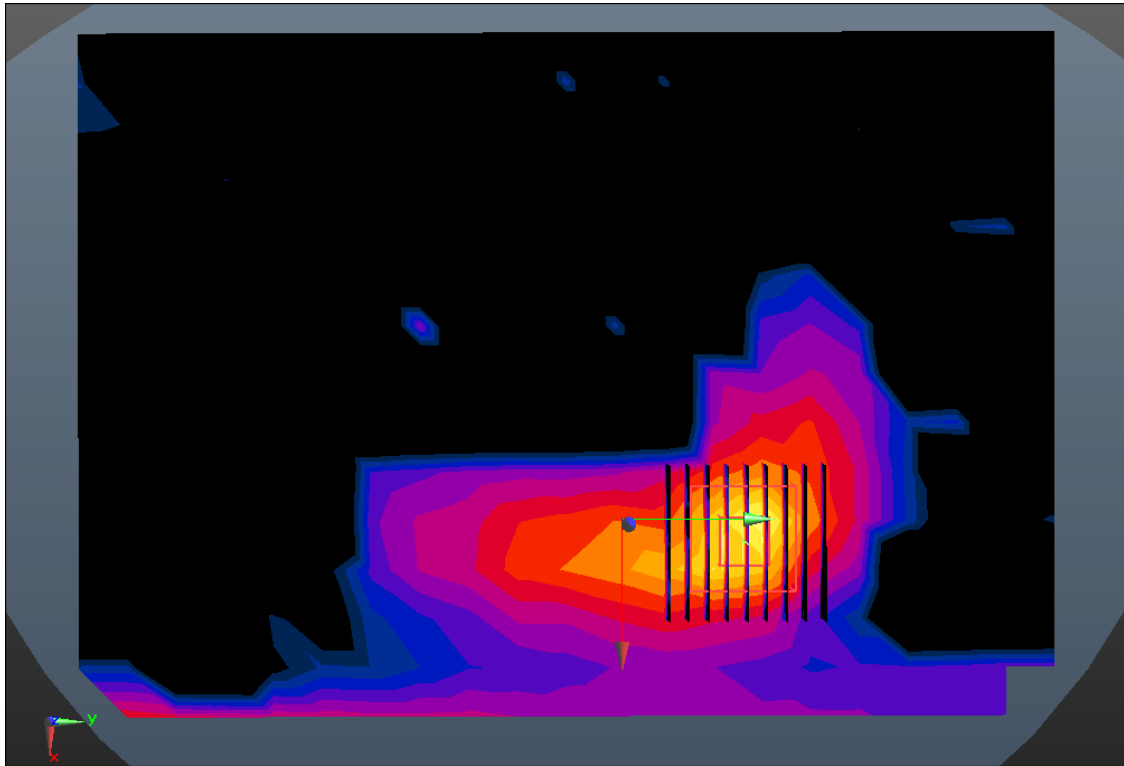
Peak SAR (extrapolated) = 56.9 W/kg

**SAR(1 g) = 7.76 W/kg; SAR(10 g) = 1.23 W/kg**



0 dB = 30.6 W/kg





Enlarged Plot for A51

## DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.432$  S/m;  $\epsilon_r = 47.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.0

**Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 64, Ant Internal, MIMO**

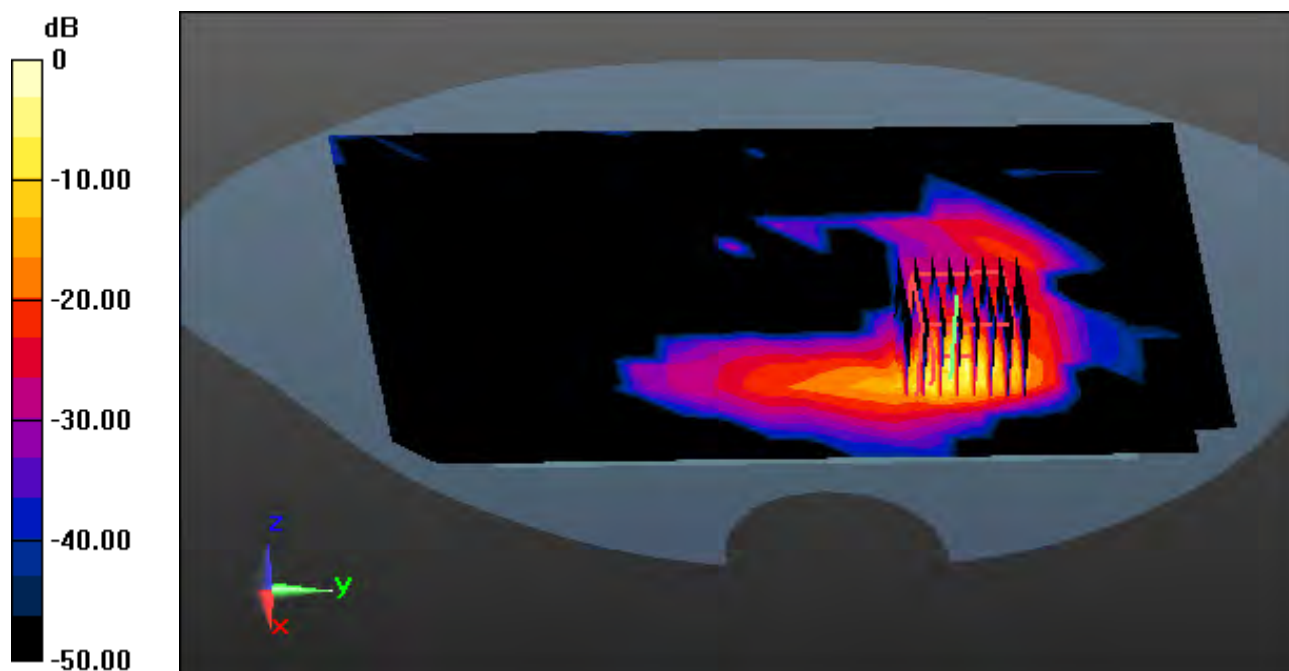
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

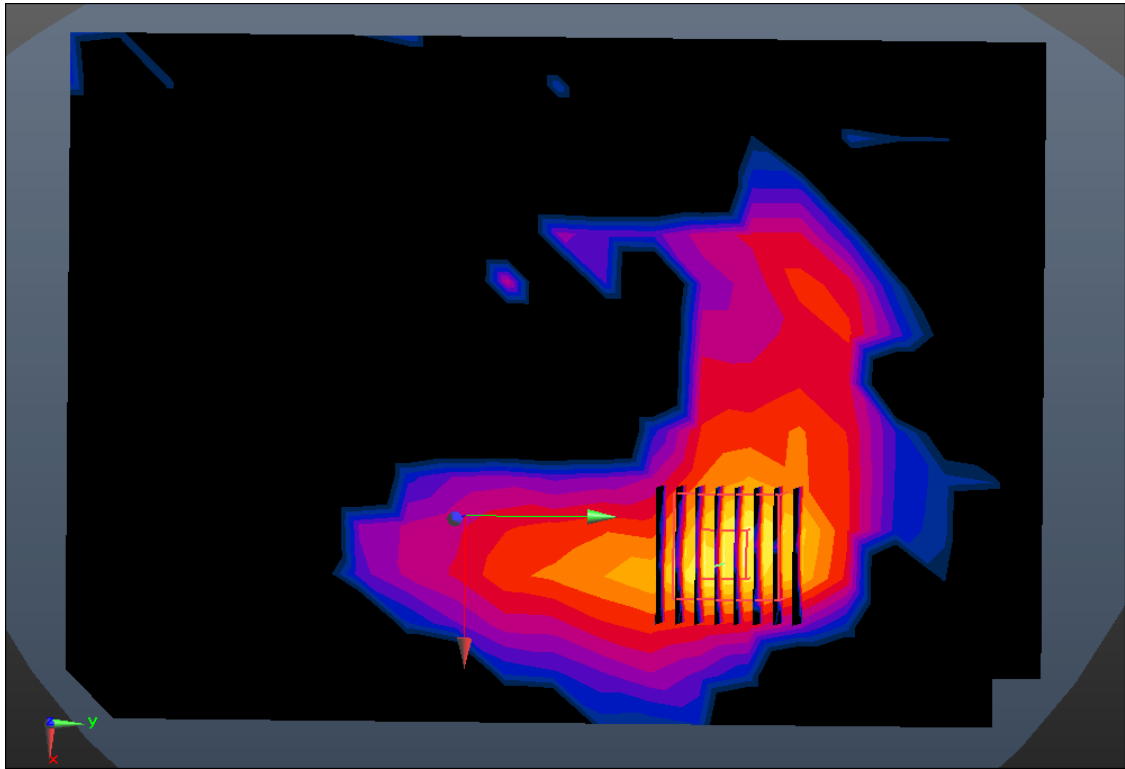
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 60.6 W/kg

**SAR(1 g) = 8.06 W/kg; SAR(10 g) = 1.31 W/kg**



0 dB = 25.9 W/kg



Enlarged Plot for A52

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.986$  S/m;  $\epsilon_r = 47.106$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

**Touch from Body, Front, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.1**

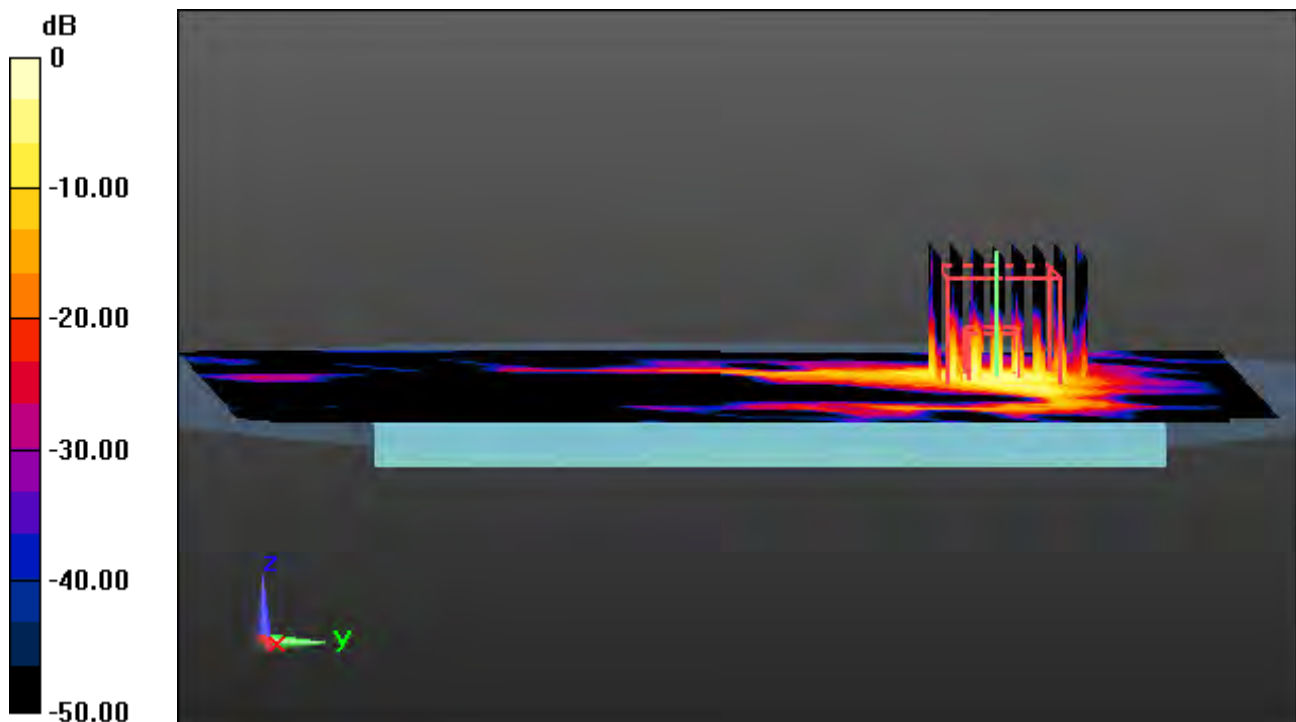
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

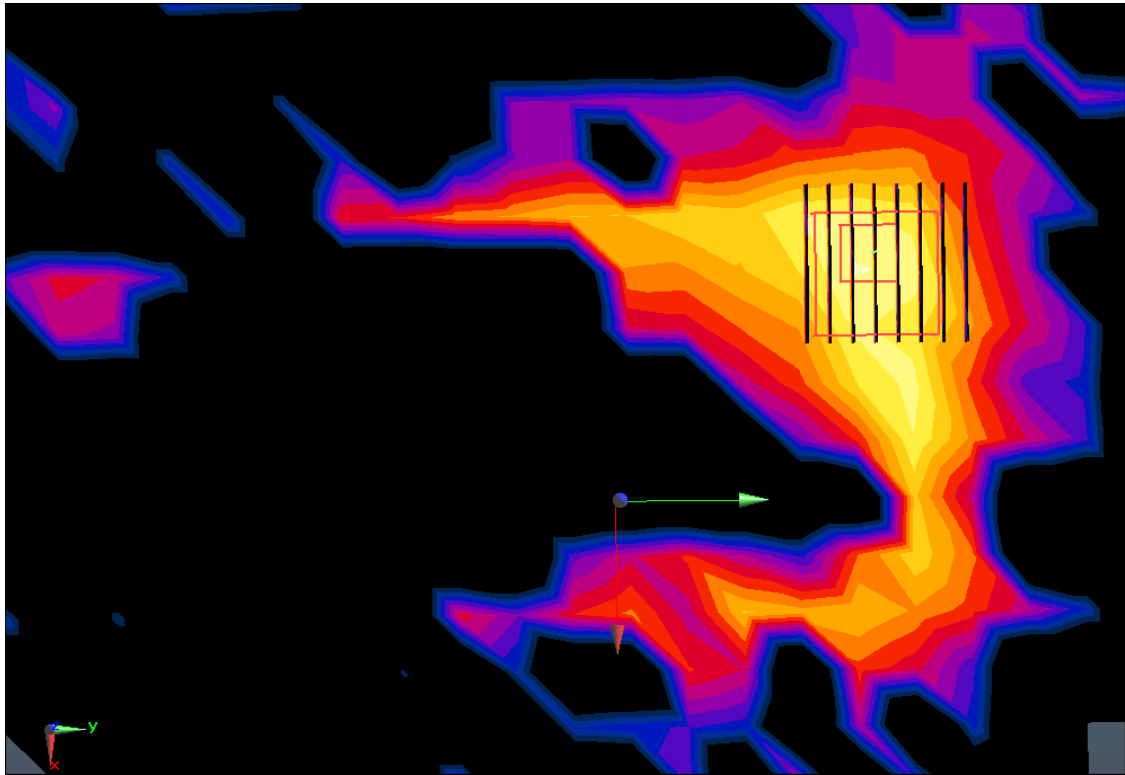
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 8.81 W/kg

**SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.342 W/kg**



0 dB = 4.81 W/kg



Enlarged Plot for A53

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.986$  S/m;  $\epsilon_r = 47.106$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

**Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.2**

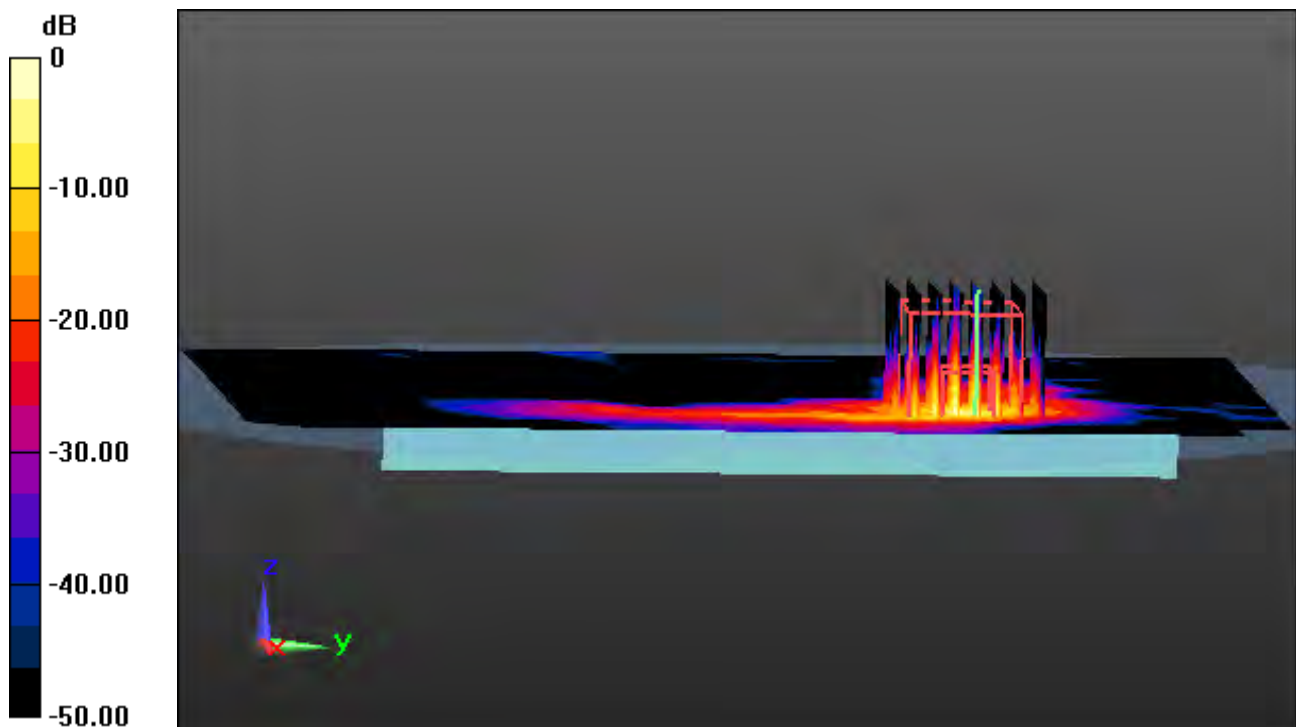
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

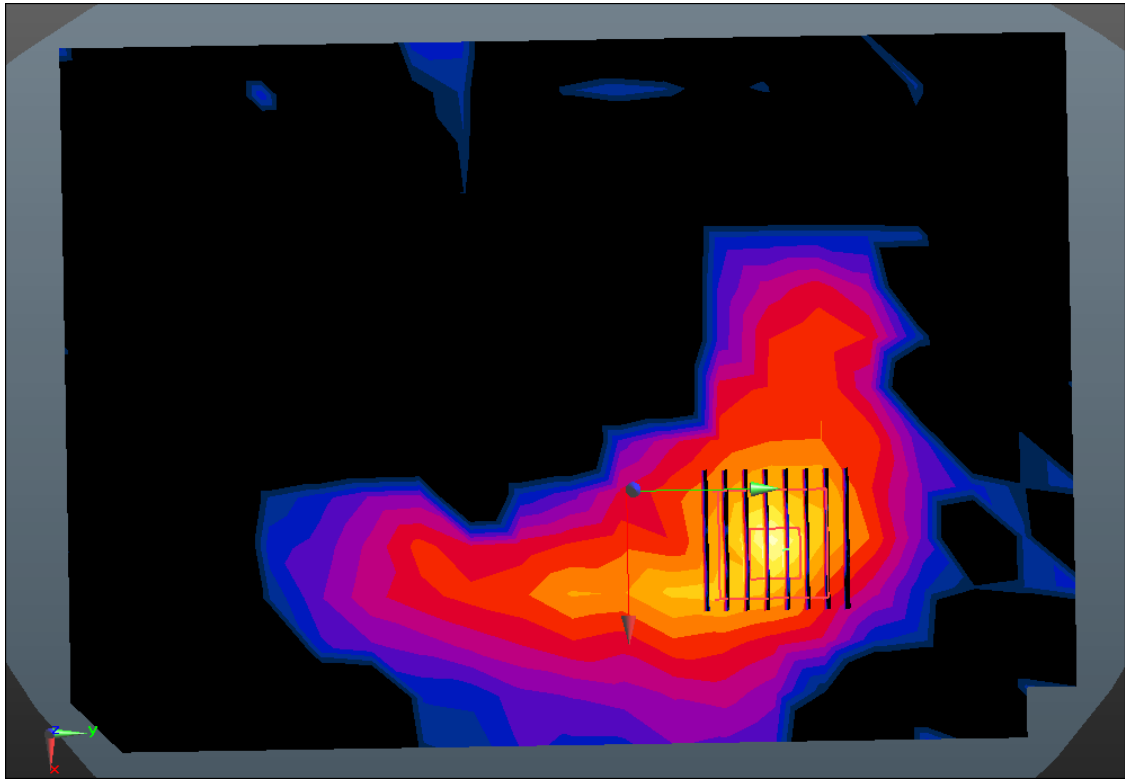
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 53.3 W/kg

**SAR(1 g) = 6.94 W/kg; SAR(10 g) = 1.19 W/kg**



0 dB = 25.3 W/kg



Enlarged Plot for A54

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.986$  S/m;  $\epsilon_r = 47.106$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

**Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, MIMO**

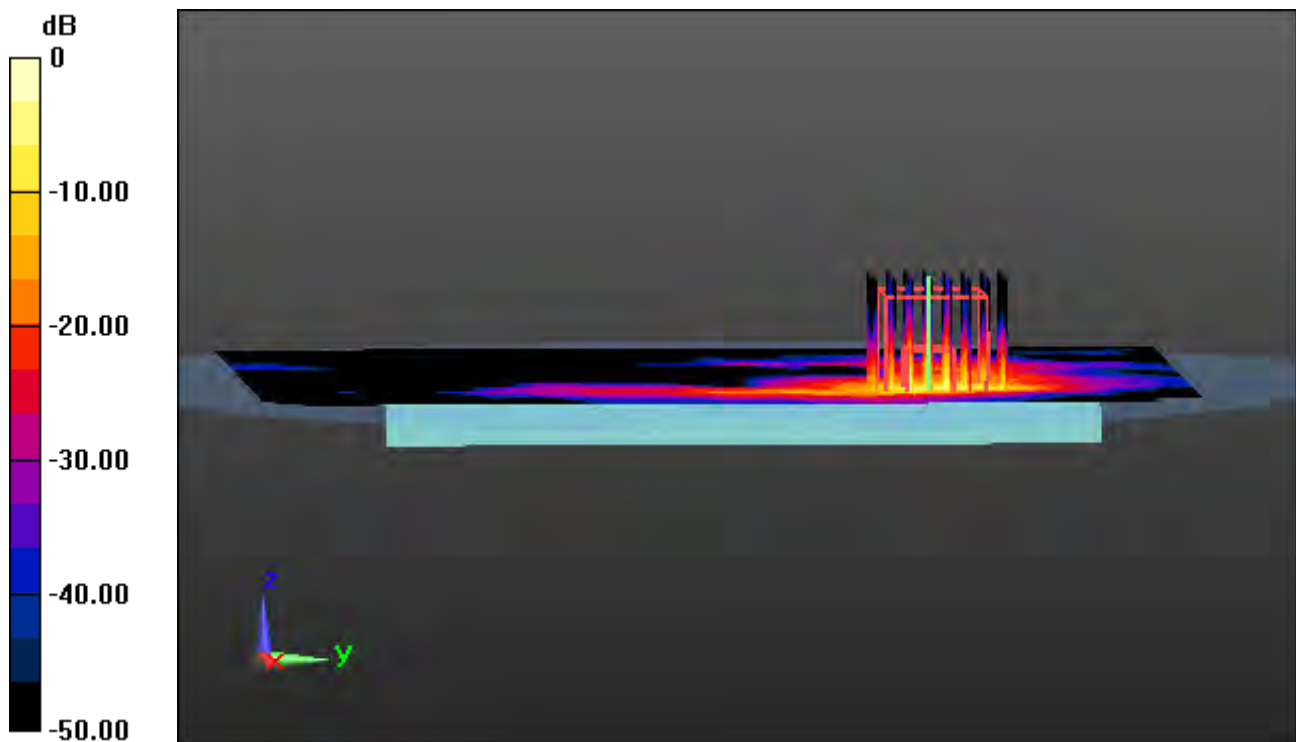
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.15 dB

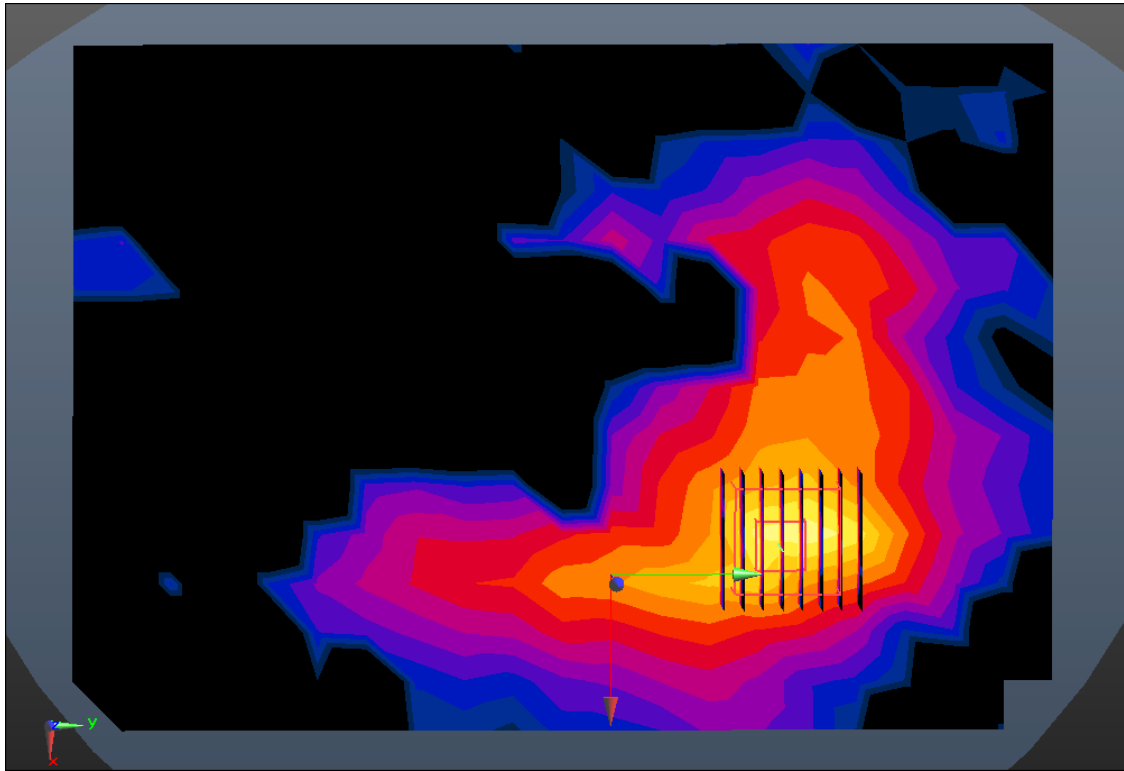
Peak SAR (extrapolated) = 62.6 W/kg

**SAR(1 g) = 8.92 W/kg; SAR(10 g) = 1.58 W/kg**



0 dB = 33.4 W/kg





Enlarged Plot for A55

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5825$  MHz;  $\sigma = 6.136$  S/m;  $\epsilon_r = 47.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

**Touch from Body, Front, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Ant.1**

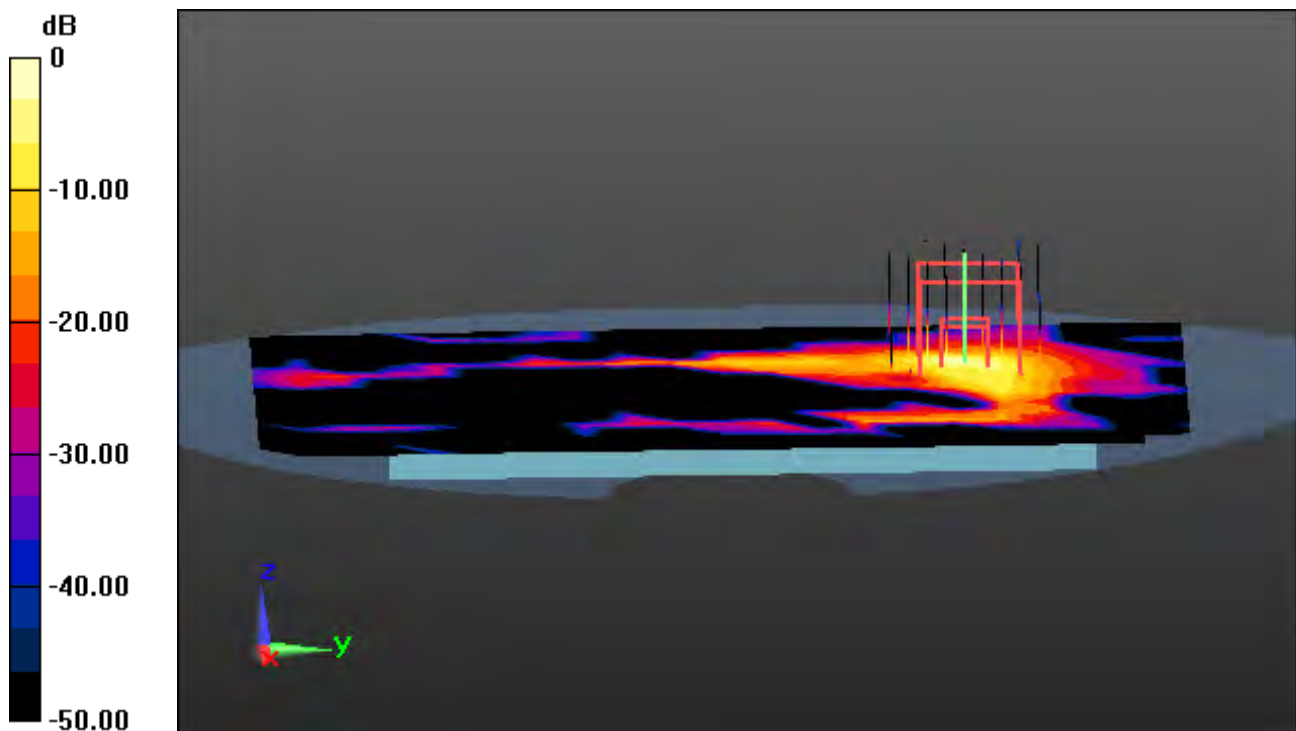
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

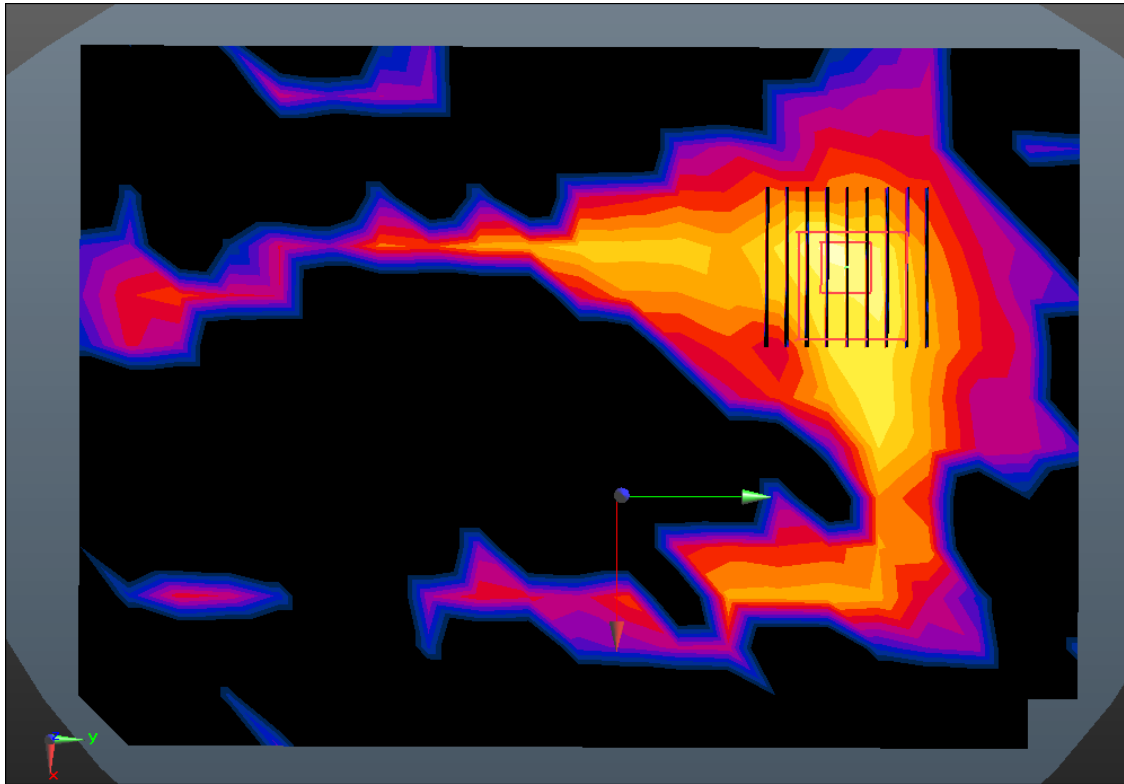
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 8.69 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.284 W/kg**



0 dB = 4.44 W/kg



Enlarged Plot for A56

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5825$  MHz;  $\sigma = 6.136$  S/m;  $\epsilon_r = 47.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

**Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Ant.2**

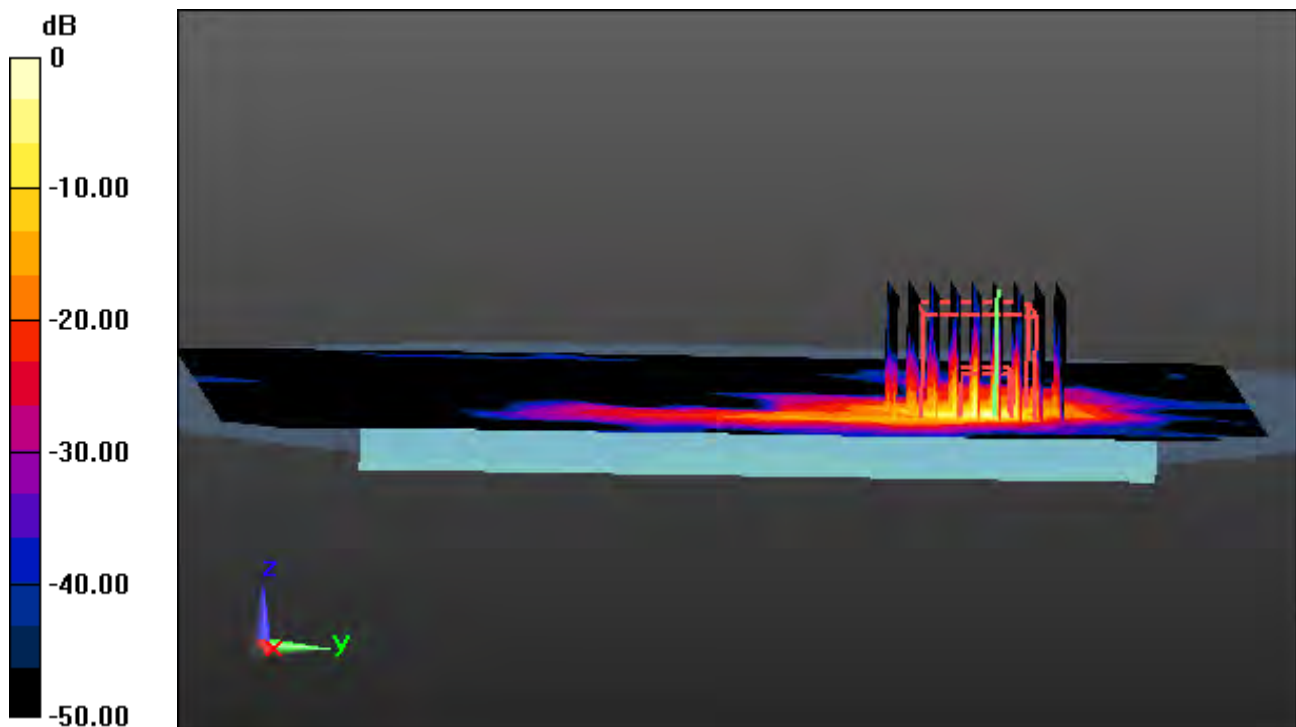
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

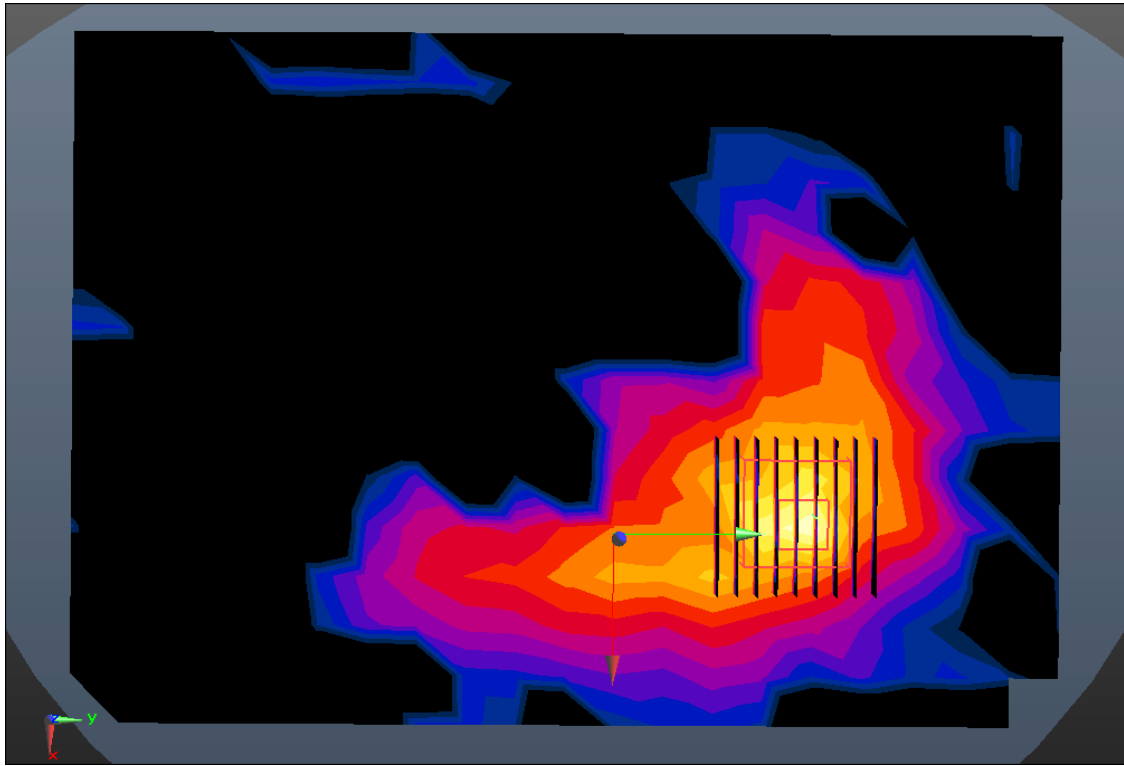
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 48.3 W/kg

**SAR(1 g) = 6.12 W/kg; SAR(10 g) = 1.11 W/kg**



0 dB = 22.6 W/kg



Enlarged Plot for A57

# DT&C Co., Ltd.

**DUT: KX1801; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5825$  MHz;  $\sigma = 6.136$  S/m;  $\epsilon_r = 47.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

**Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, MIMO**

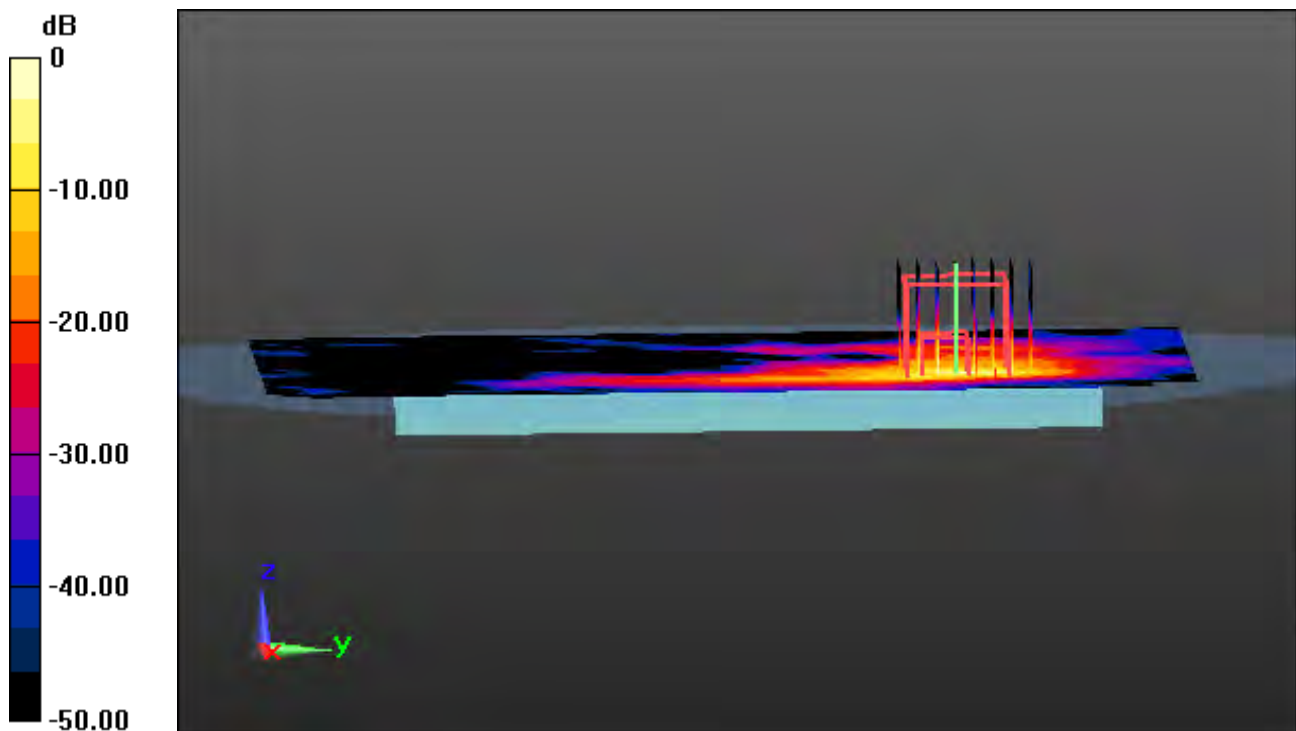
**Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

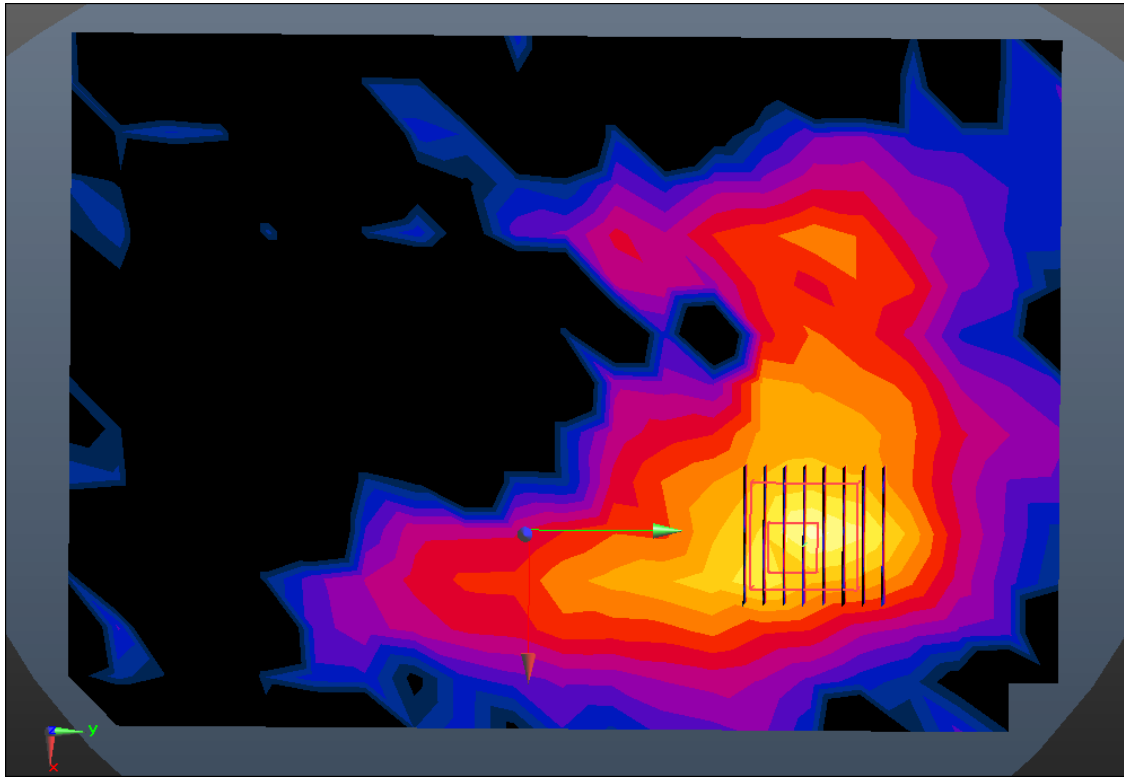
Power Drift = -0.13 dB

Peak SAR (extrapolated) = 51.6 W/kg

**SAR(1 g) = 6.29 W/kg; SAR(10 g) = 1.19 W/kg**



0 dB = 22.2 W/kg



Enlarged Plot for A58