

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.962 \text{ S/m}$ ;  $\epsilon_r = 56.591$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.43, 10.43, 10.43); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-05; Ambient Temp: 21.5; Tissue Temp: 21.7

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

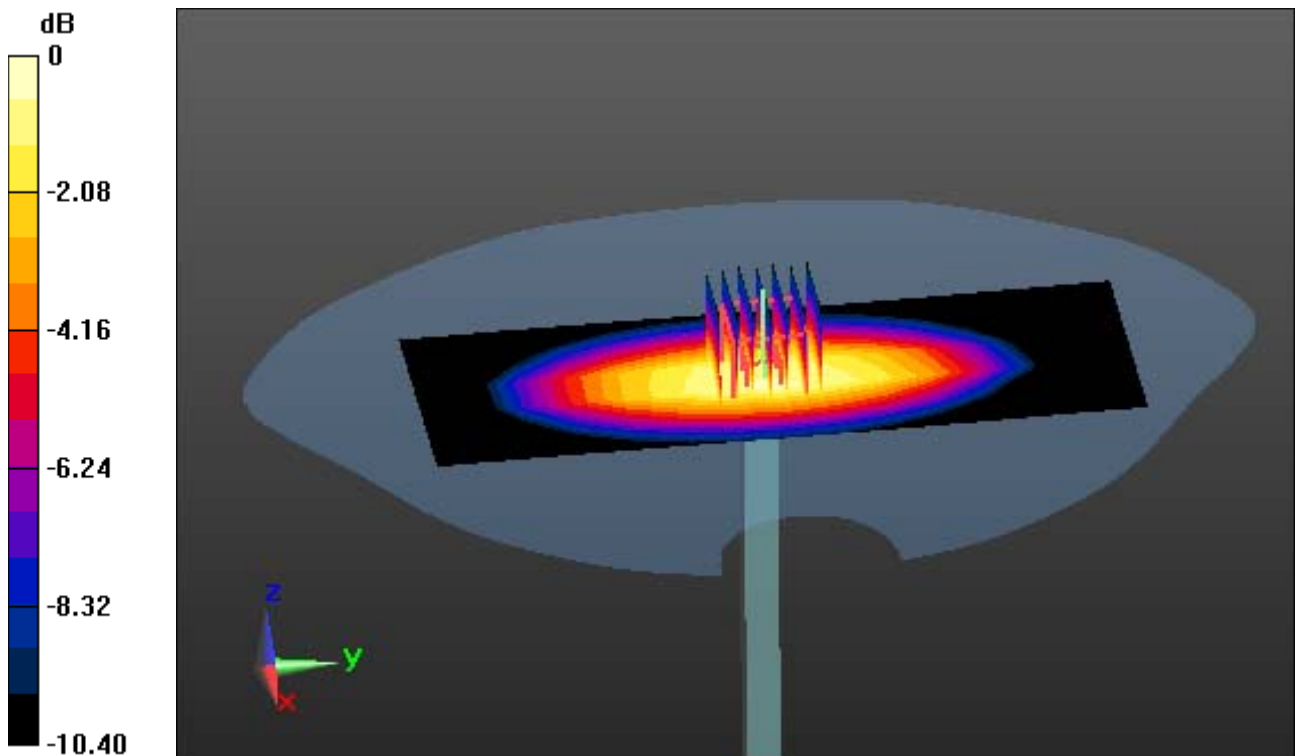
**Area Scan (6x15x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.52 W/kg

**SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.42 W/kg**



## DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 56.598$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-01; Ambient Temp: 21.2; Tissue Temp: 21.5

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

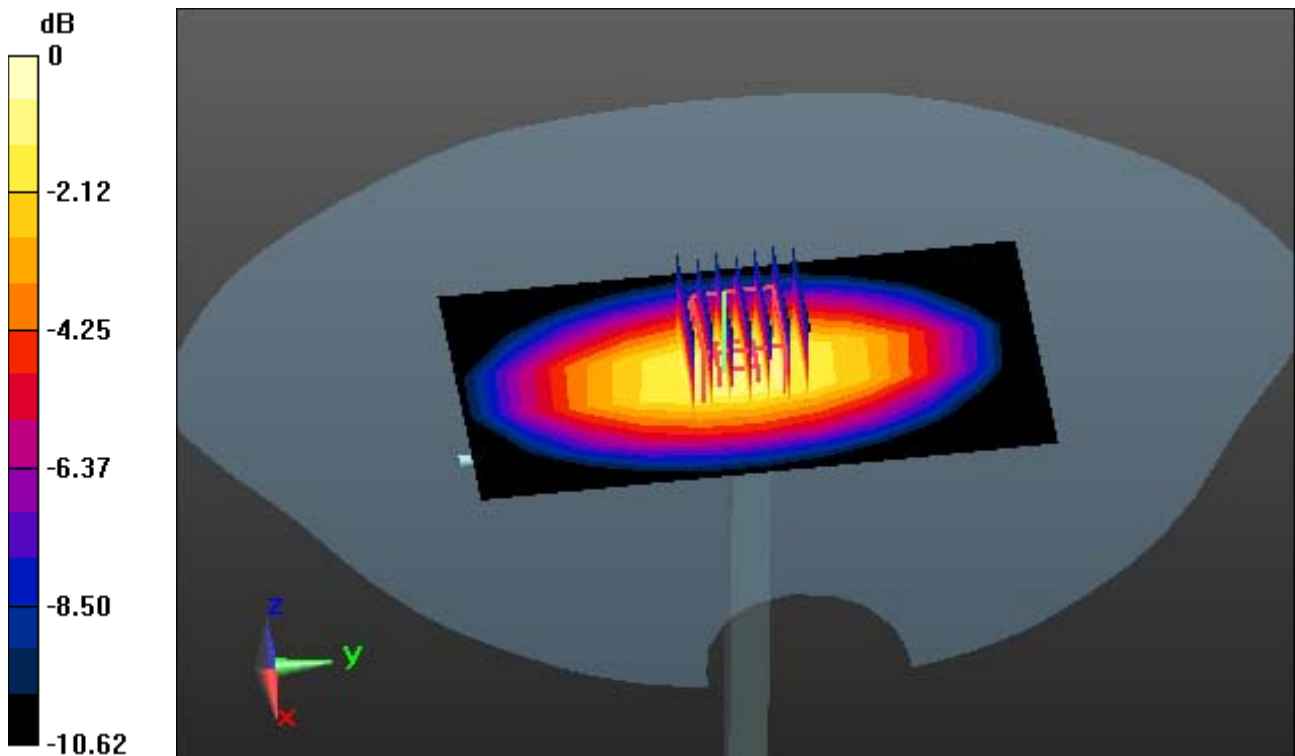
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.58 W/kg

**SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.48 W/kg**



0 dB = 3.01 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d175**

Communication System: UID 0, CW; Frequency: 900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.066 \text{ S/m}$ ;  $\epsilon_r = 56.947$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.2, 10.2, 10.2); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-22; Ambient Temp: 21.1; Tissue Temp: 21.5

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

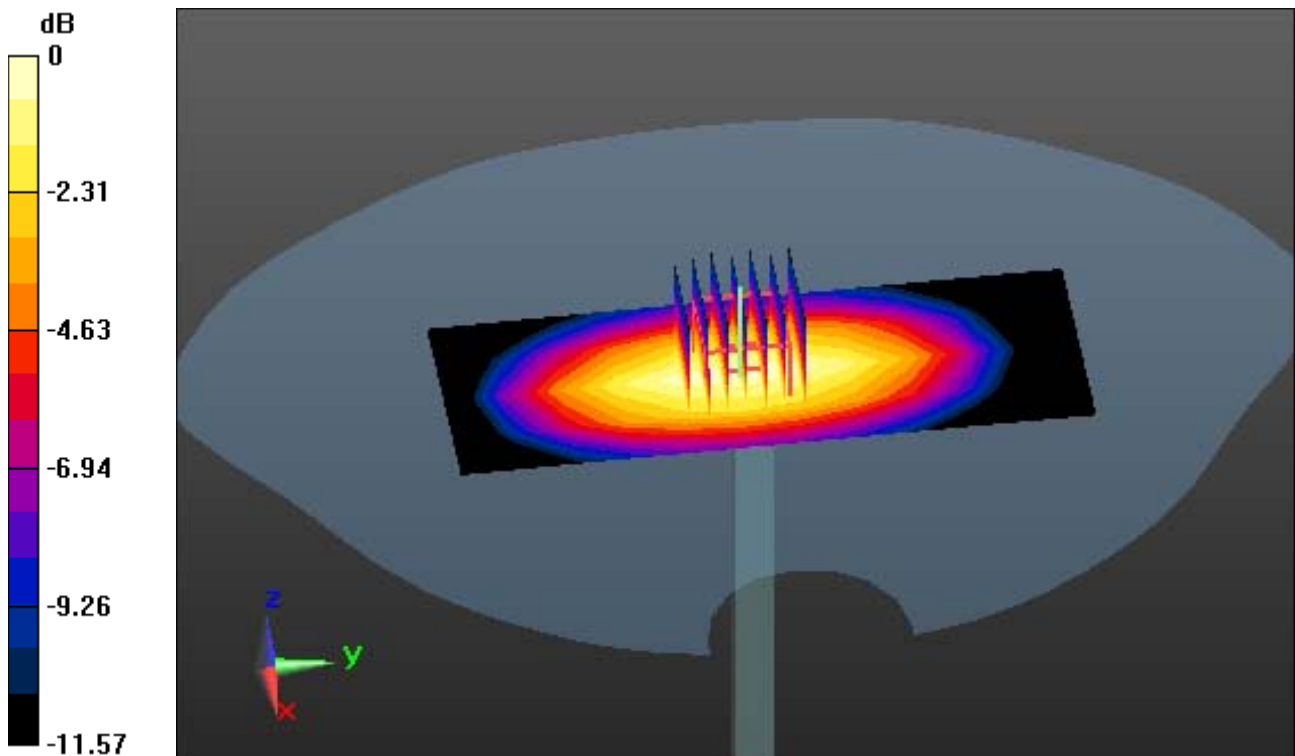
**Area Scan (5x12x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.76 W/kg

**SAR(1 g) = 2.85 W/kg; SAR(10 g) = 1.72 W/kg**



0 dB = 2.79 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.563 \text{ S/m}$ ;  $\epsilon_r = 52.17$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-03; Ambient Temp: 21.3; Tissue Temp: 21.5

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

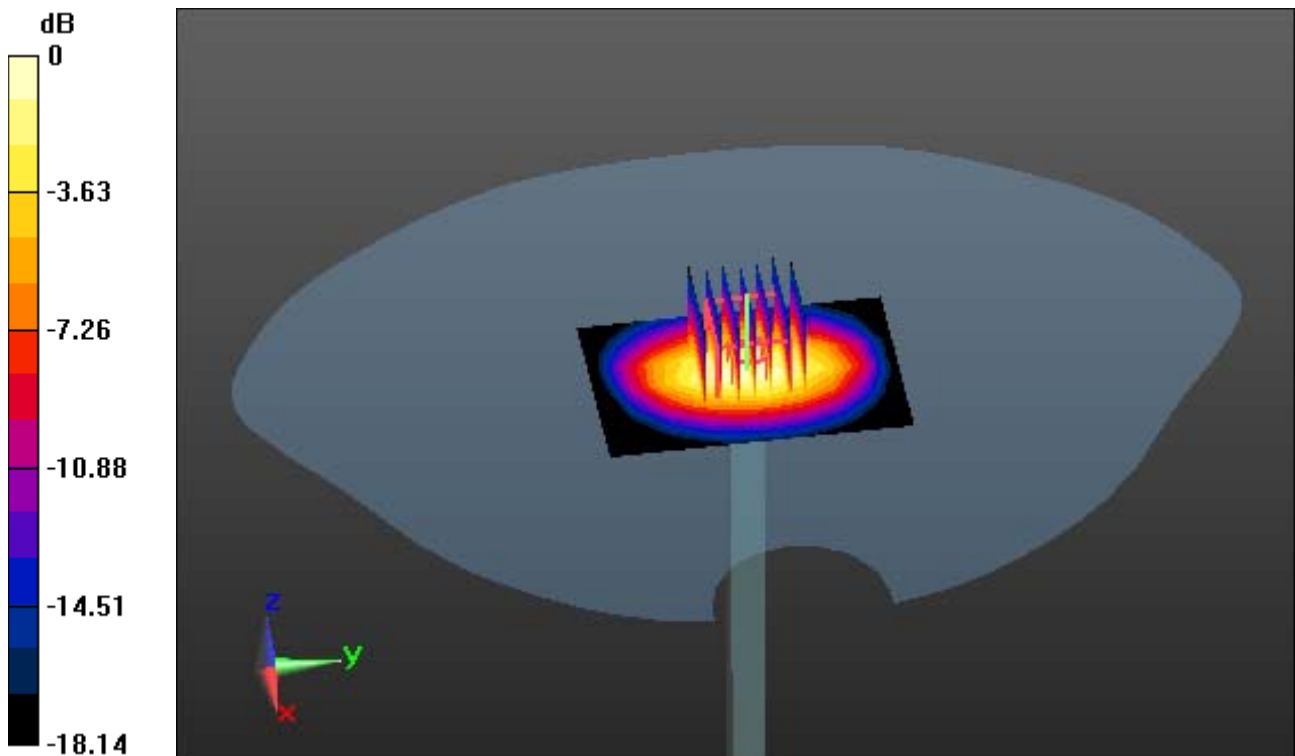
**Area Scan (7x10x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 8.95 W/kg

**SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.83 W/kg**



0 dB = 6.43 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.039$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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

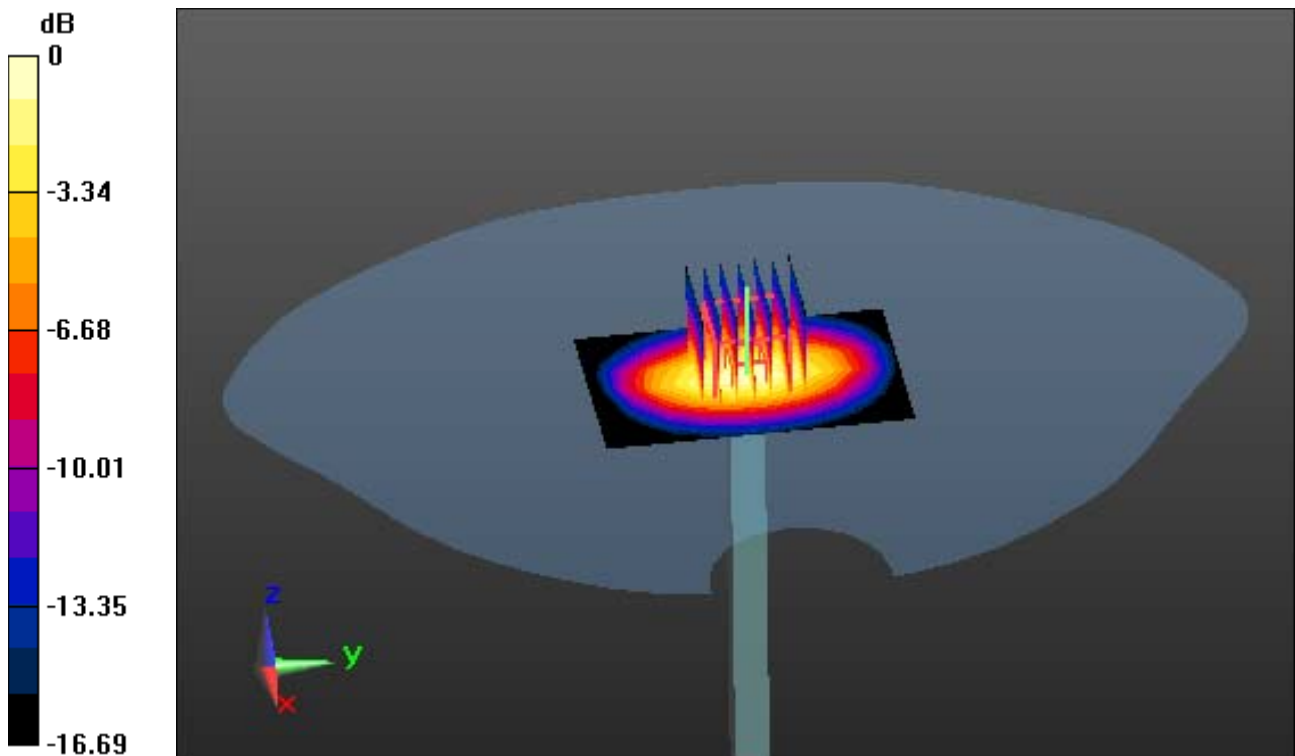
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.53 W/kg

**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.05 W/kg**



0 dB = 5.59 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.957$  S/m;  $\epsilon_r = 54.441$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-08; Ambient Temp: 21.1; Tissue Temp: 21.3

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

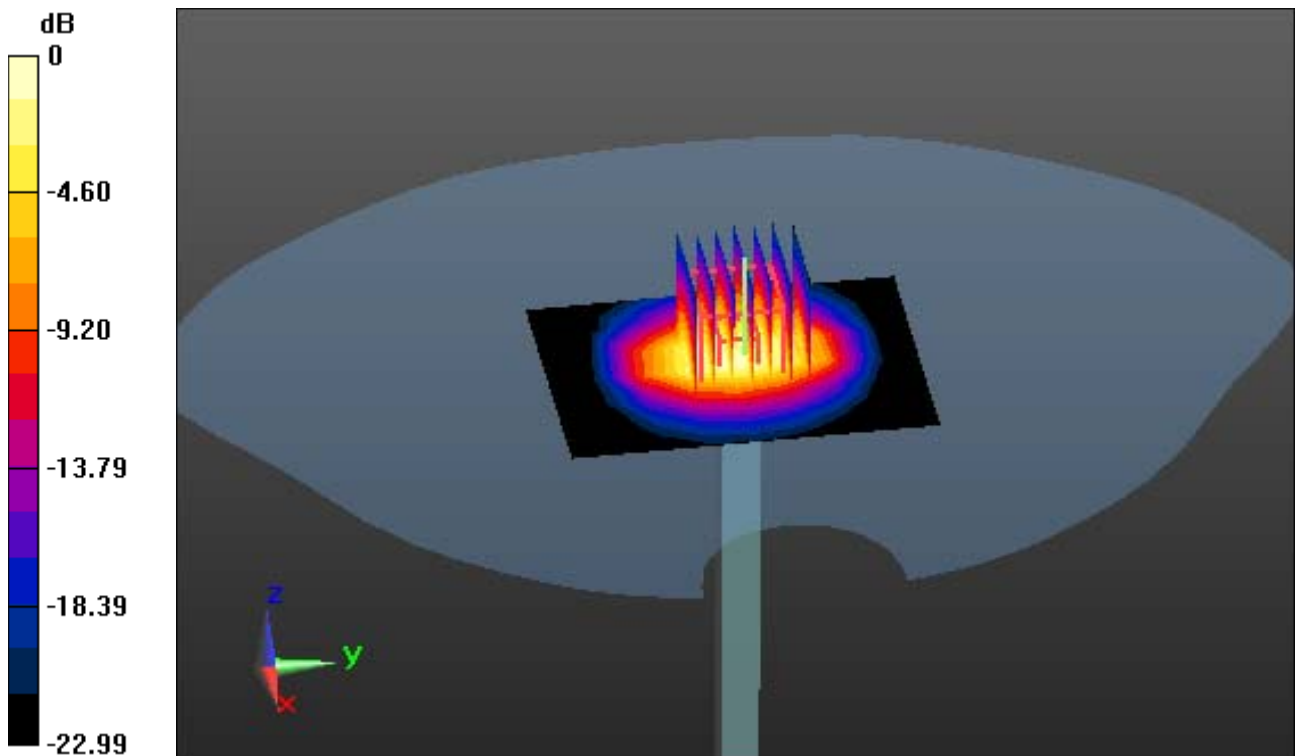
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 10.98 W/kg

**SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.45 W/kg**



0 dB = 6.95 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.133$  S/m;  $\epsilon_r = 51.434$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.63, 7.63, 7.63); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-04; Ambient Temp: 21.2; Tissue Temp: 21.3

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

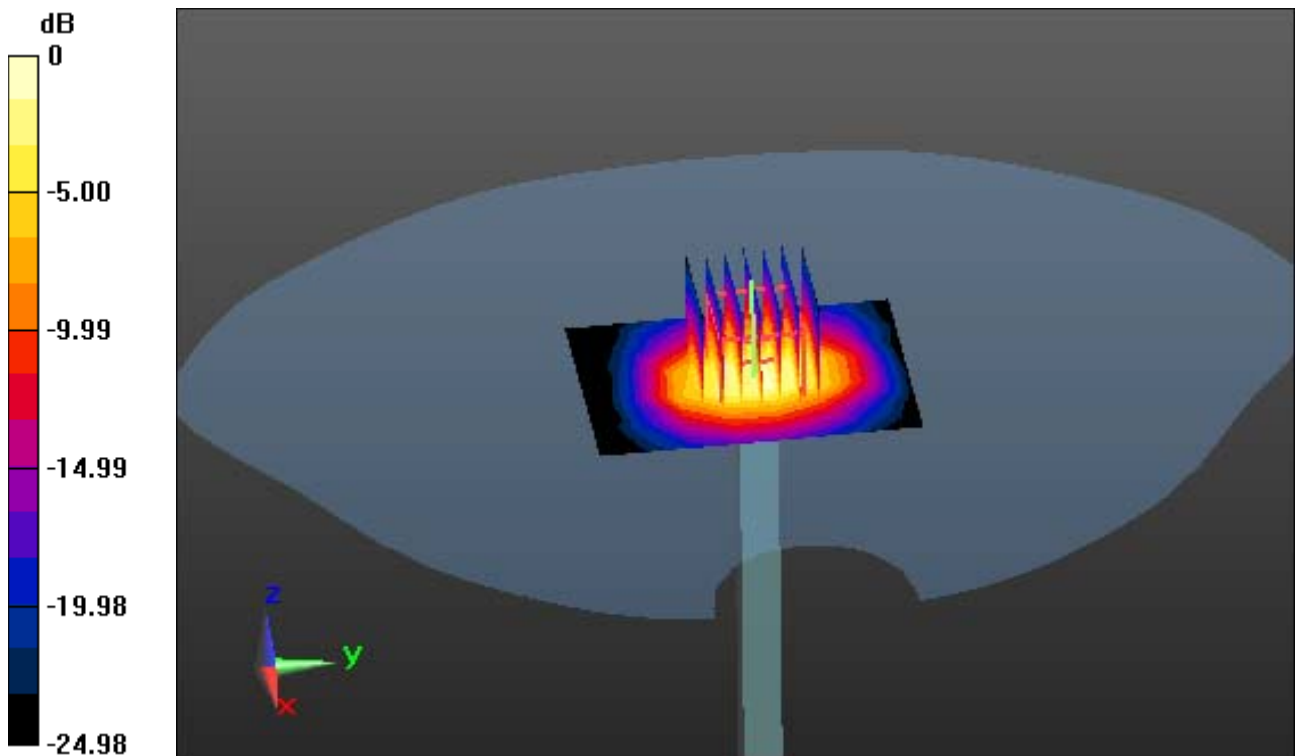
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 12.1 W/kg

**SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.46 W/kg**



0 dB = 10.1 W/kg



## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.516$  S/m;  $\epsilon_r = 48.39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.51, 4.51, 4.51); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-09; Ambient Temp: 21.5; Tissue Temp: 21.8

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

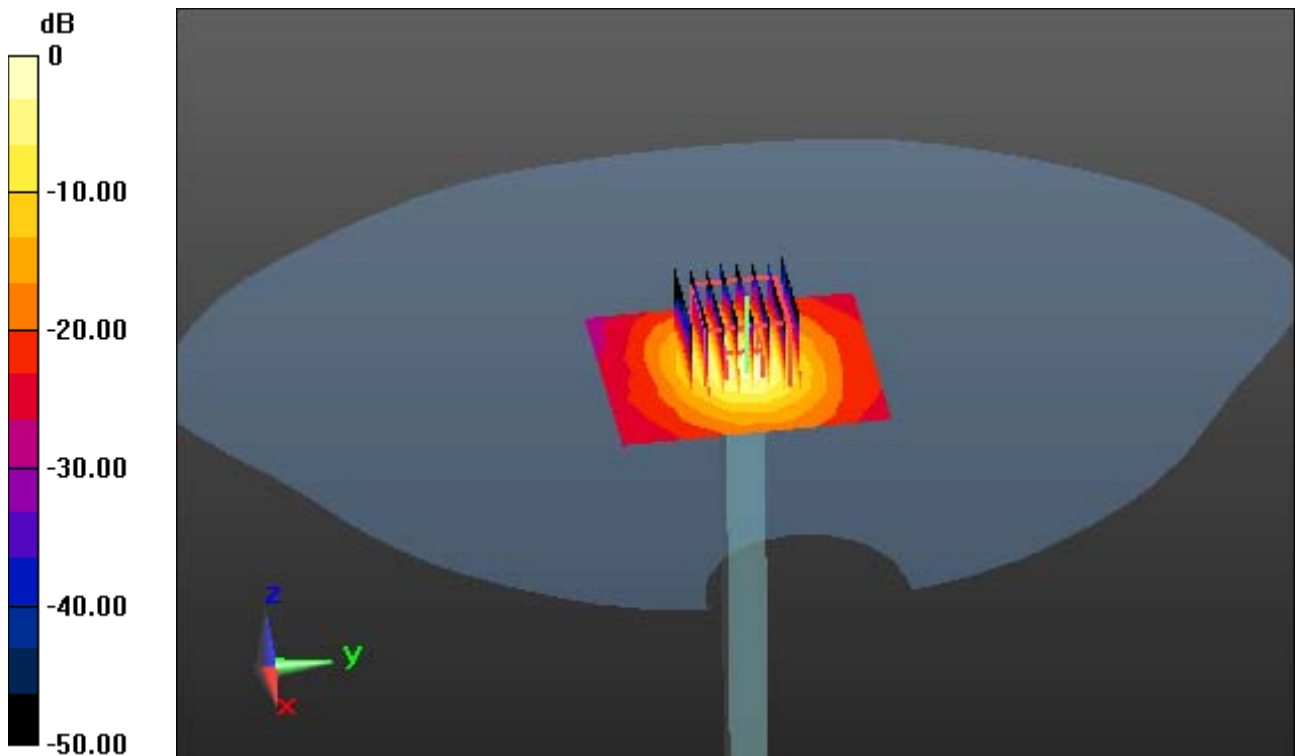
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 30.2 W/kg

**SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2.03 W/kg**



0 dB = 17.5 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.932$  S/m;  $\epsilon_r = 47.398$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.01, 4.01, 4.01); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-10; Ambient Temp: 21.2; Tissue Temp: 21.5

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

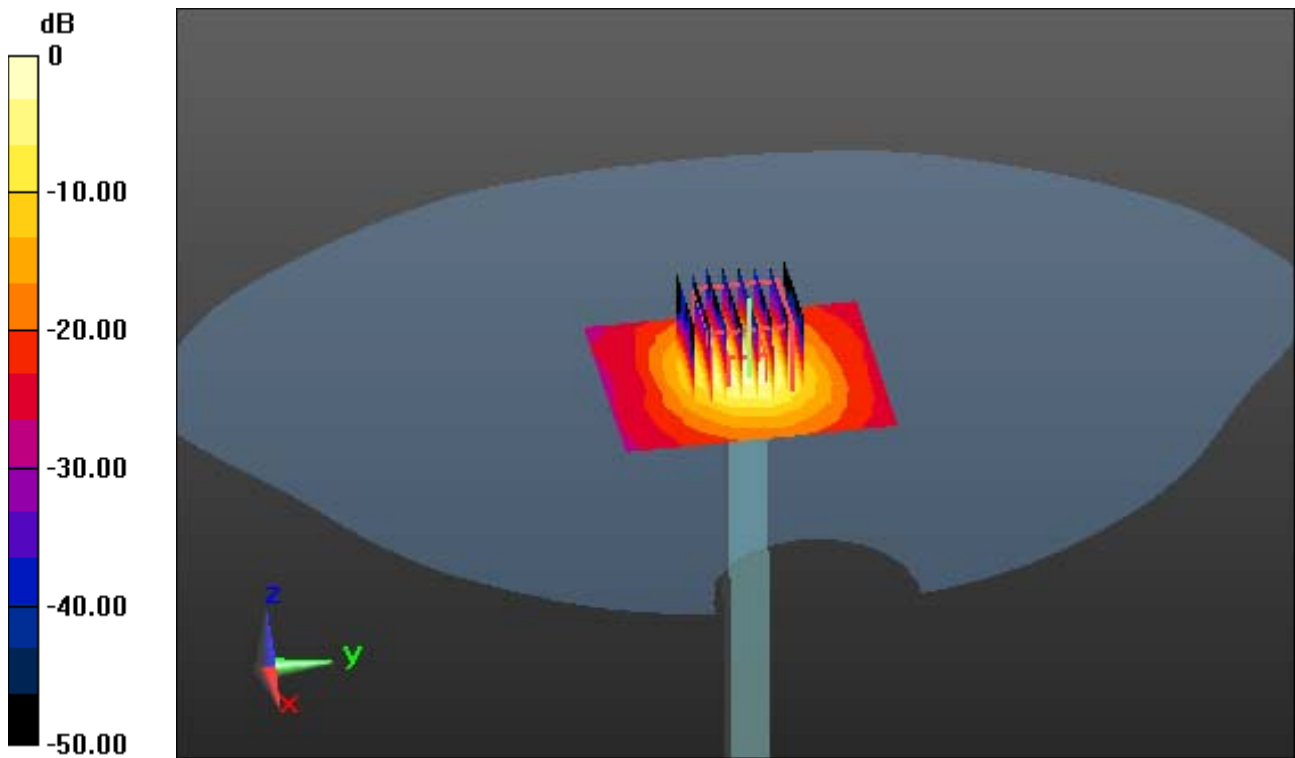
**Area Scan (7x8x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 34.7 W/kg

**SAR(1 g) = 7.86 W/kg; SAR(10 g) = 2.19 W/kg**



0 dB = 19.6 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.222$  S/m;  $\epsilon_r = 46.984$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.1, 4.1, 4.1); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-10; Ambient Temp: 21.2; Tissue Temp: 21.5

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

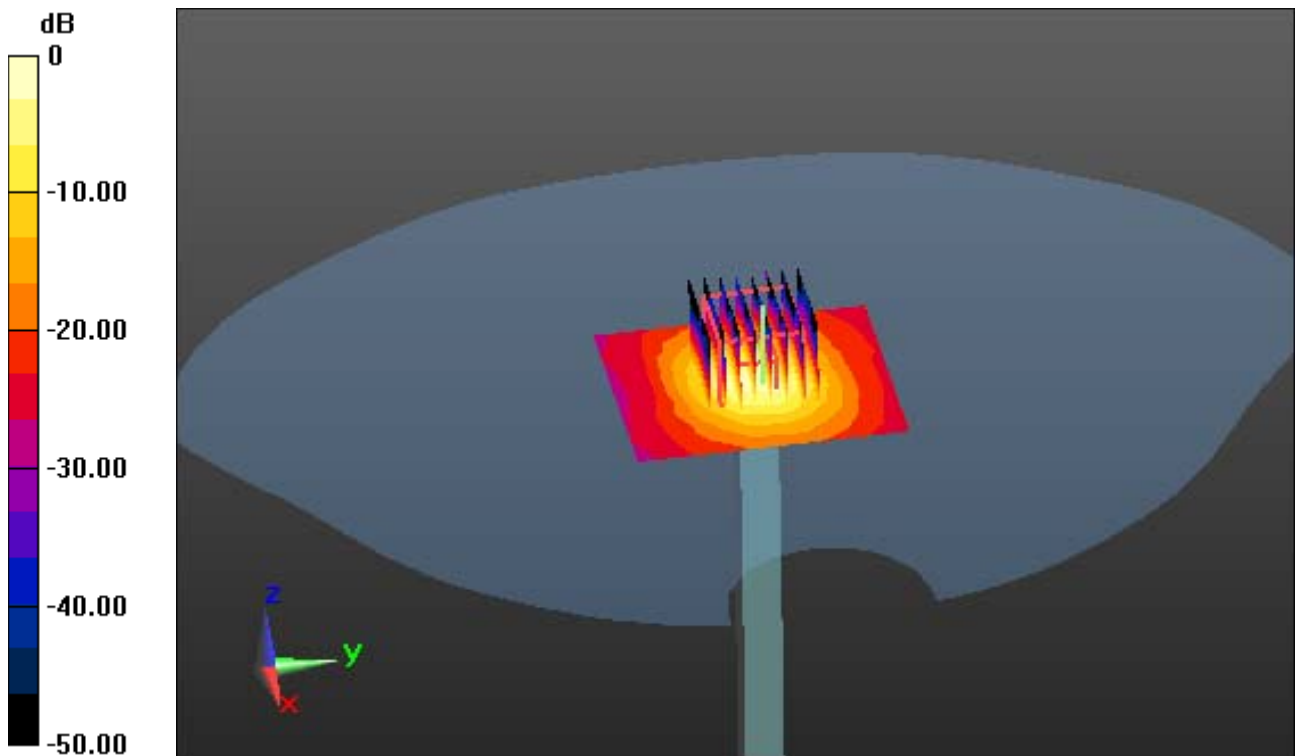
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 34.6 W/kg

**SAR(1 g) = 7.57 W/kg; SAR(10 g) = 2.08 W/kg**



0 dB = 18.1 W/kg

## DT&C Co., Ltd.

### **DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 56.583$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-01; Ambient Temp: 21.2 Tissue Temp: 21.5

### **Touch from Body, Bottom, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

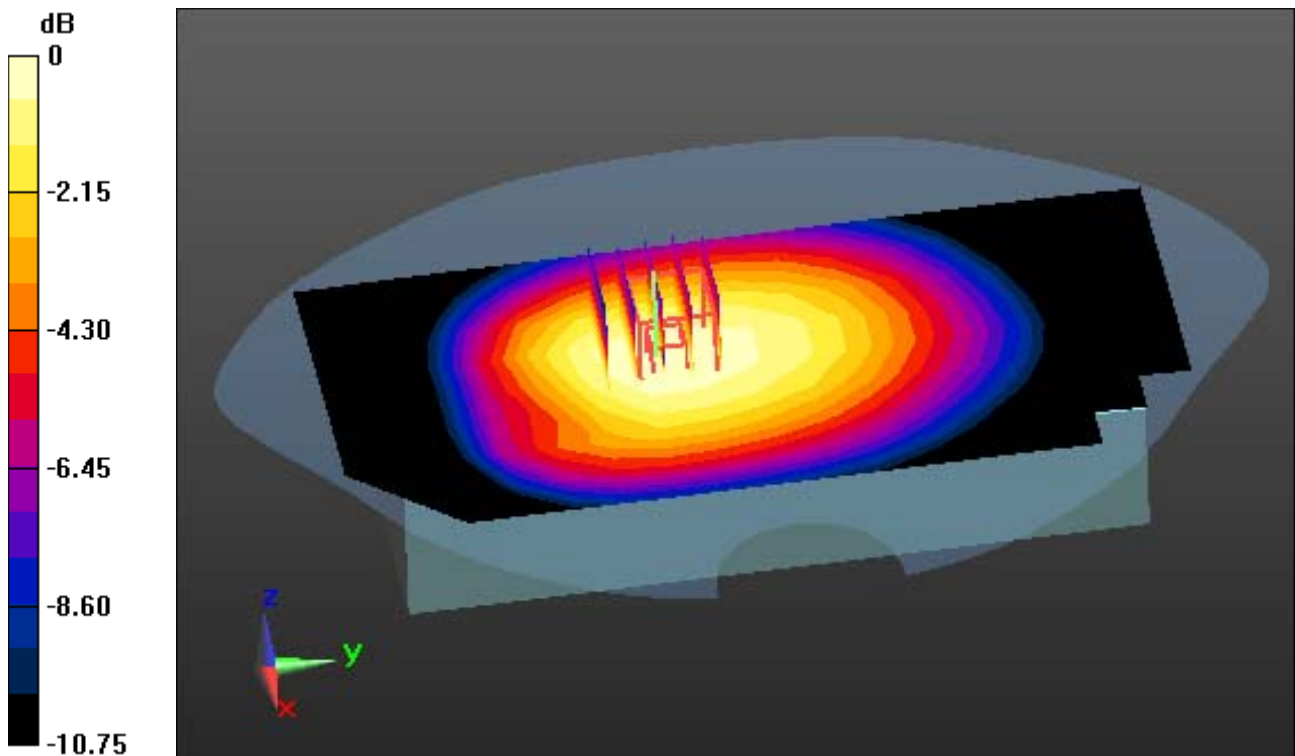
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.359 W/kg**



0 dB = 0.559 W/kg

## DT&C Co., Ltd.

### **DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.521$  S/m;  $\epsilon_r = 52.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-02; Ambient Temp: 21.4 Tissue Temp: 21.6

### **Touch from Body, Bottom, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal**

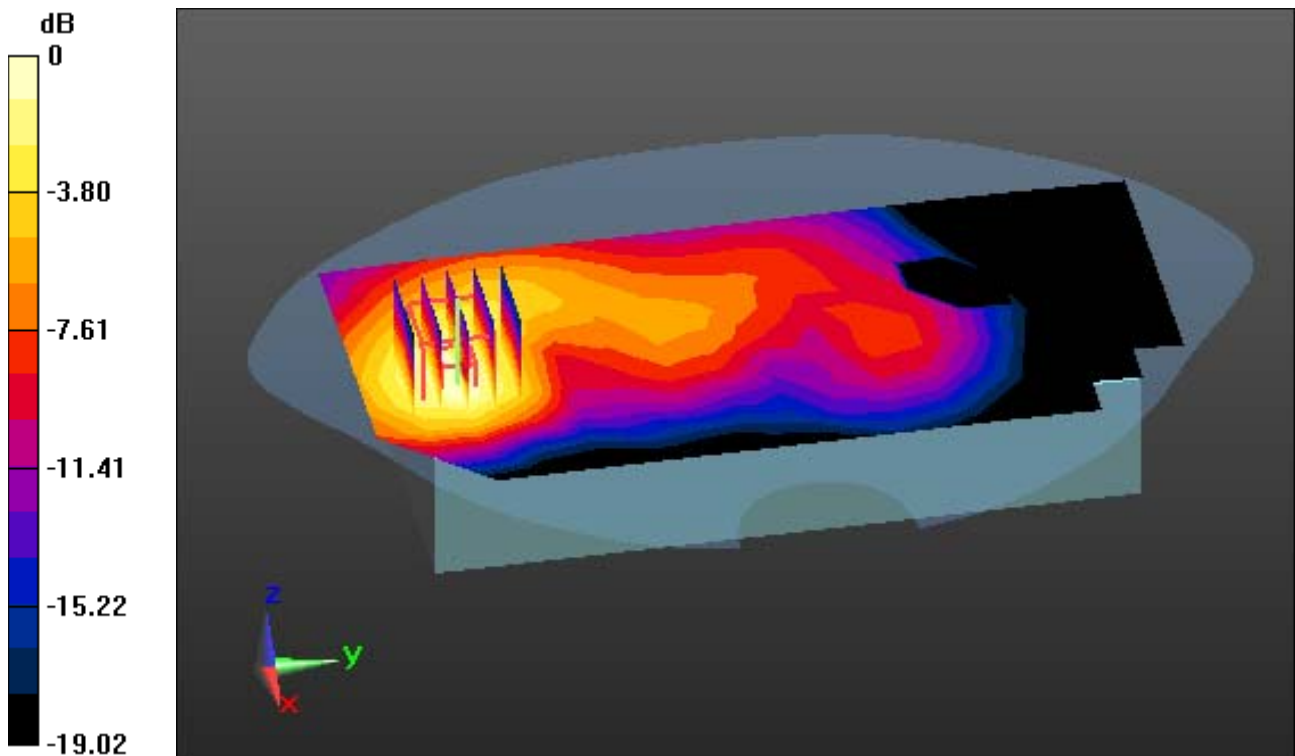
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.365 W/kg

**SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.136 W/kg**



0 dB = 0.307 W/kg

## DT&C Co., Ltd.

### **DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 56.583$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-01; Ambient Temp: 21.2; Tissue Temp: 21.5

### **Touch from Body, Bottom, WCDMA Band 5, Ch. 4183, Ant Internal**

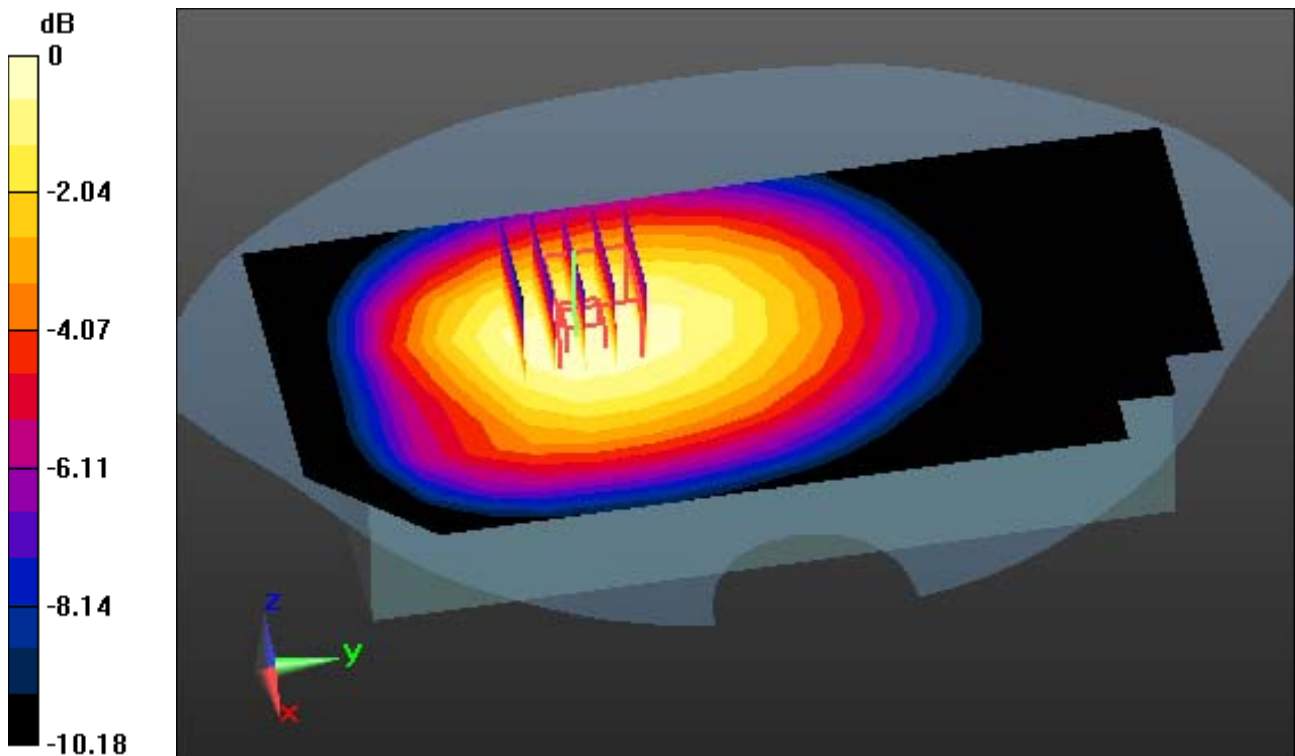
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.229 W/kg**



0 dB = 0.358 W/kg

## DT&C Co., Ltd.

### **DUT: DOTR-3000; Type: Gun**

Communication System: UID 0, WCDMA 1700 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.509$  S/m;  $\epsilon_r = 52.426$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-03; Ambient Temp: 21.3; Tissue Temp: 21.5

### **Touch from Body, Bottom, WCDMA Band 4, Ch. 1412, Ant Internal**

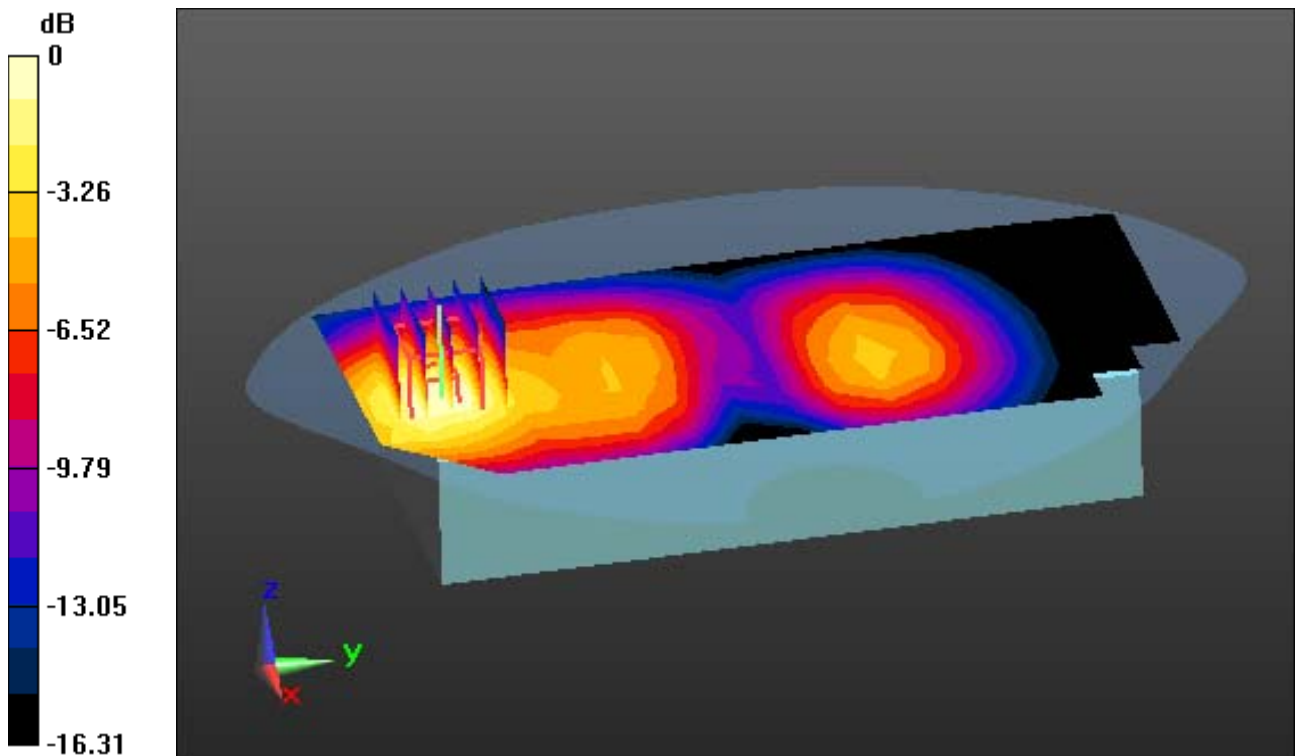
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.299 W/kg

**SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.119 W/kg**



0 dB = 0.248 W/kg



## DT&C Co., Ltd.

### **DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.521$  S/m;  $\epsilon_r = 52.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-02; Ambient Temp: 21.4; Tissue Temp: 21.6

### **Touch from Body, Bottom, WCDMA Band 2, Ch. 9400, Ant Internal**

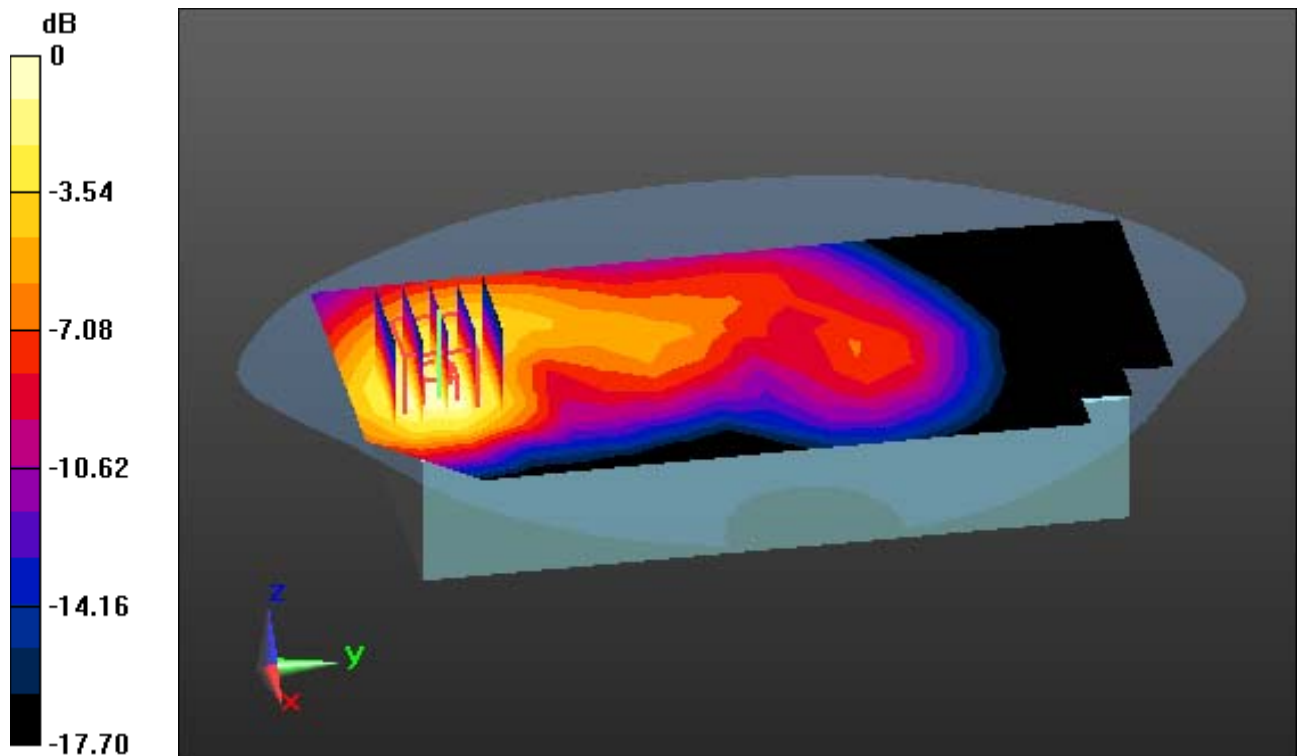
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.469 W/kg

**SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.171 W/kg**



0 dB = 0.379 W/kg



## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.925$  S/m;  $\epsilon_r = 56.964$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.43, 10.43, 10.43); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-05; Ambient Temp: 21.5; Tissue Temp: 21.7

**Touch from Body, Bottom, LTE Band 12 Ch. 23095, Ant Internal**

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

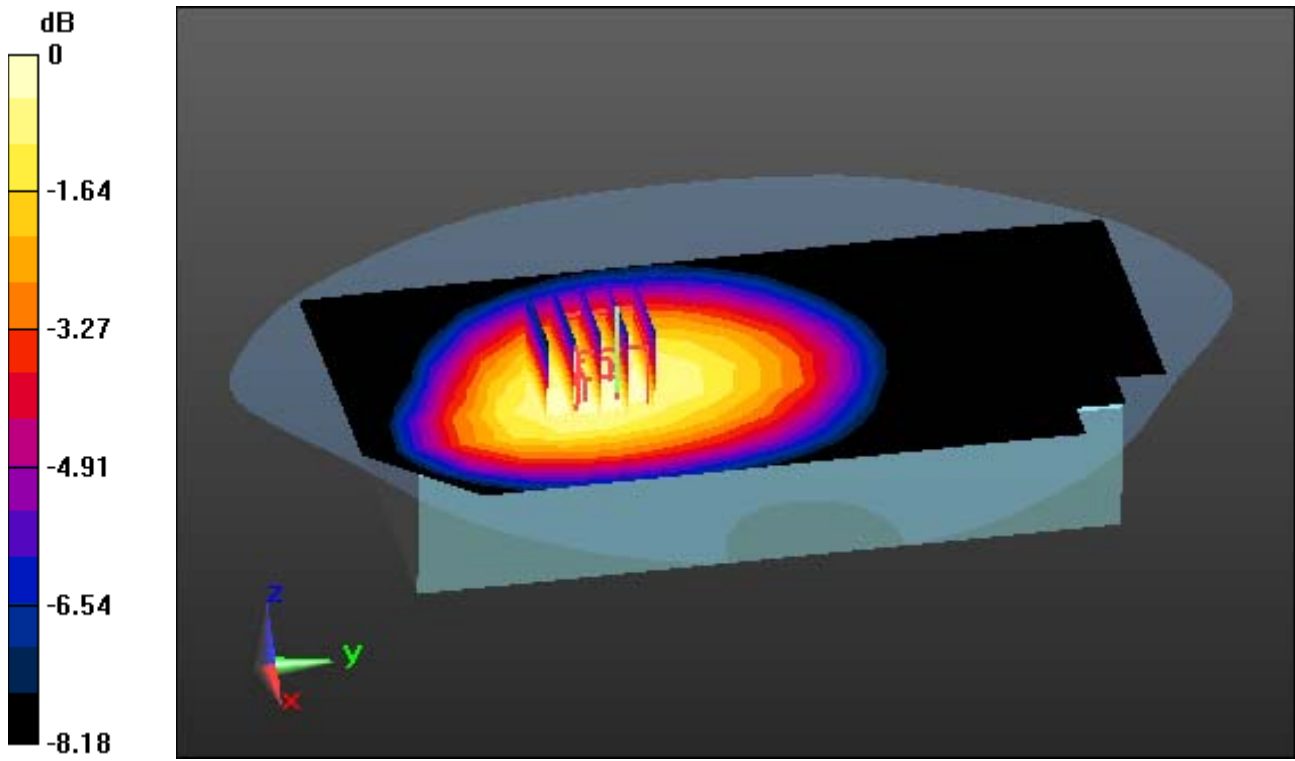
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.261 W/kg

**SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.164 W/kg**



0 dB = 0.239 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.994 \text{ S/m}$ ;  $\epsilon_r = 56.295$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.43, 10.43, 10.43); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-05; Ambient Temp: 21.5; Tissue Temp: 21.7

**Touch from Body, Bottom, LTE Band 13 Ch. 23230, Ant Internal**

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

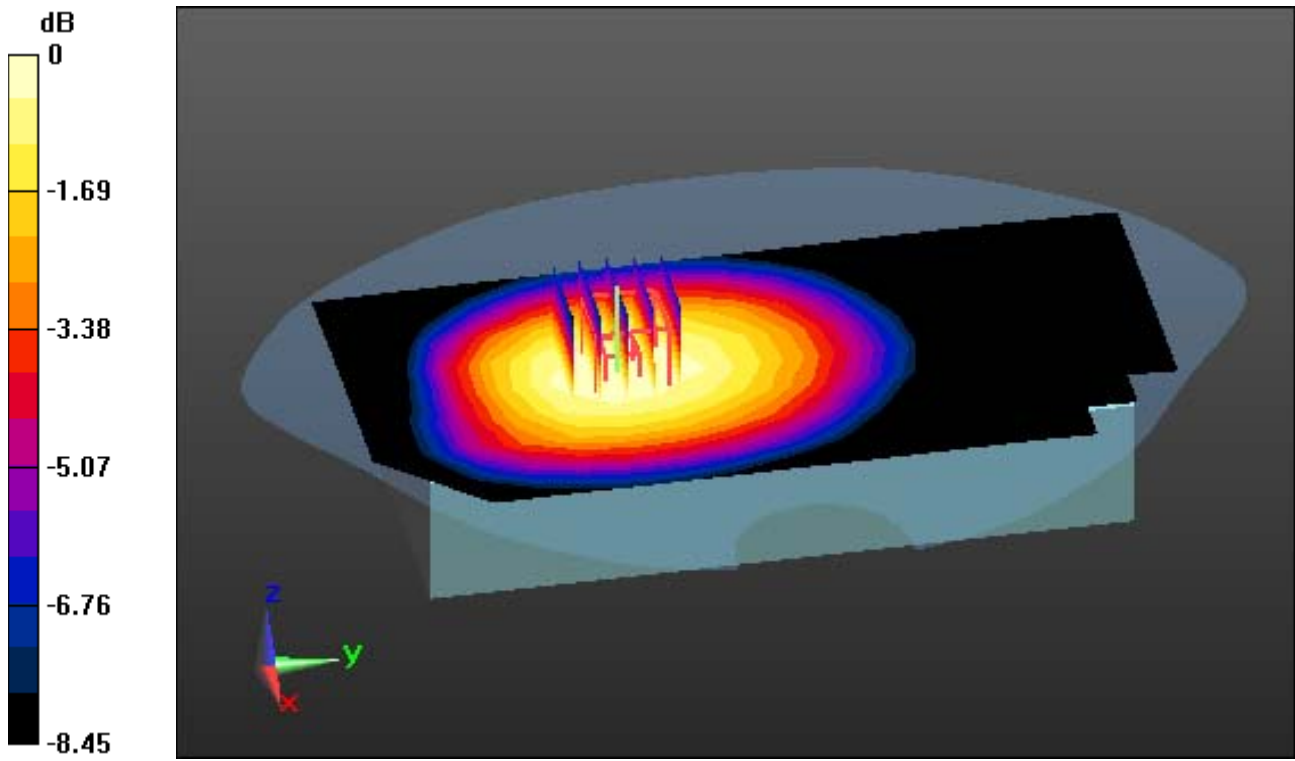
**Area Scan (9x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.457 W/kg

**SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.275 W/kg**



0 dB = 0.412 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

Communication System: UID 0, LTE Band 14 (0); Frequency: 793 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 1.005 \text{ S/m}$ ;  $\epsilon_r = 56.197$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.43, 10.43, 10.43); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-05; Ambient Temp: 21.5; Tissue Temp: 21.7

**Touch from Body, Bottom, LTE Band 14 Ch. 23330, Ant Internal**

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

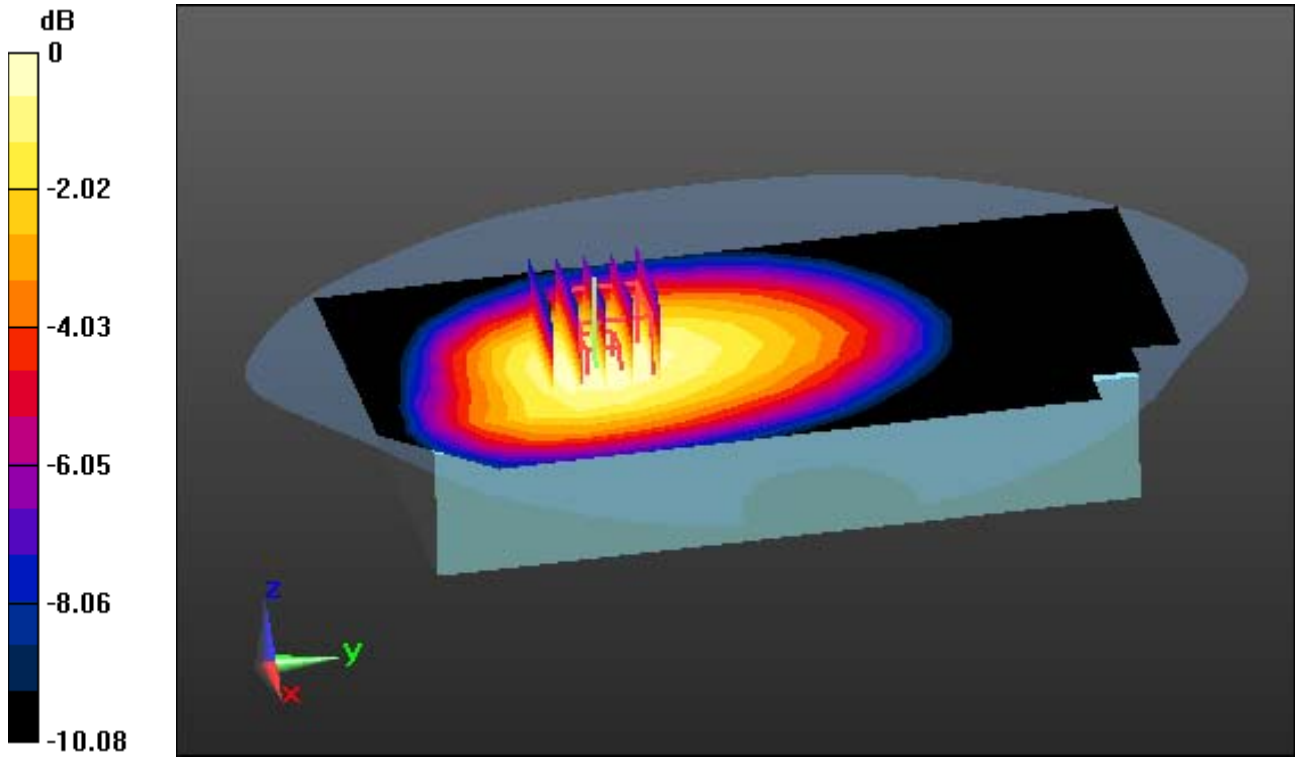
**Area Scan (9x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.201 W/kg**



0 dB = 0.310 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 56.585$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-01; Ambient Temp: 21.2; Tissue Temp: 21.5

**Touch from Body, Bottom, LTE Band 5 Ch. 20525, Ant Internal**

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

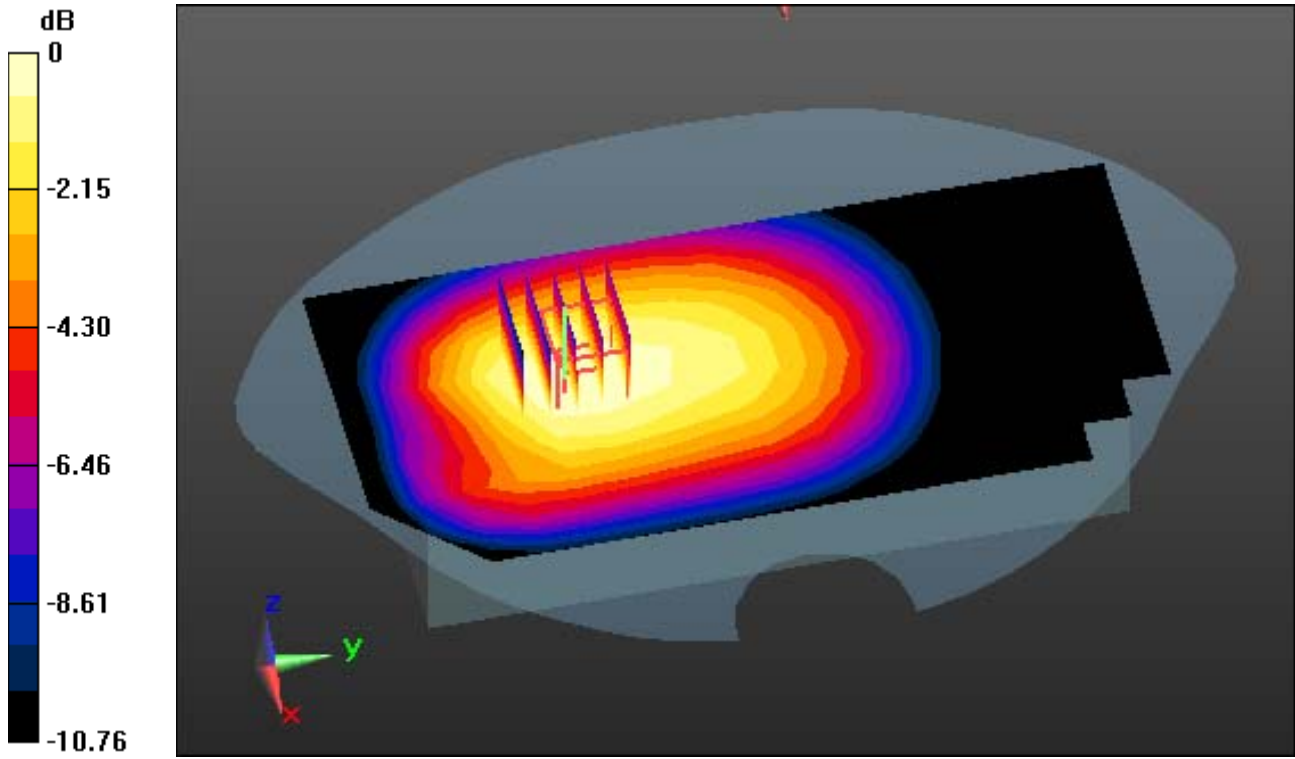
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.396 W/kg

**SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.223 W/kg**



0 dB = 0.354 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.509$  S/m;  $\epsilon_r = 52.426$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-03; Ambient Temp: 21.3; Tissue Temp: 21.5

**Touch from Body, Bottom, LTE Band 4 Ch. 20175, Ant Internal**

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

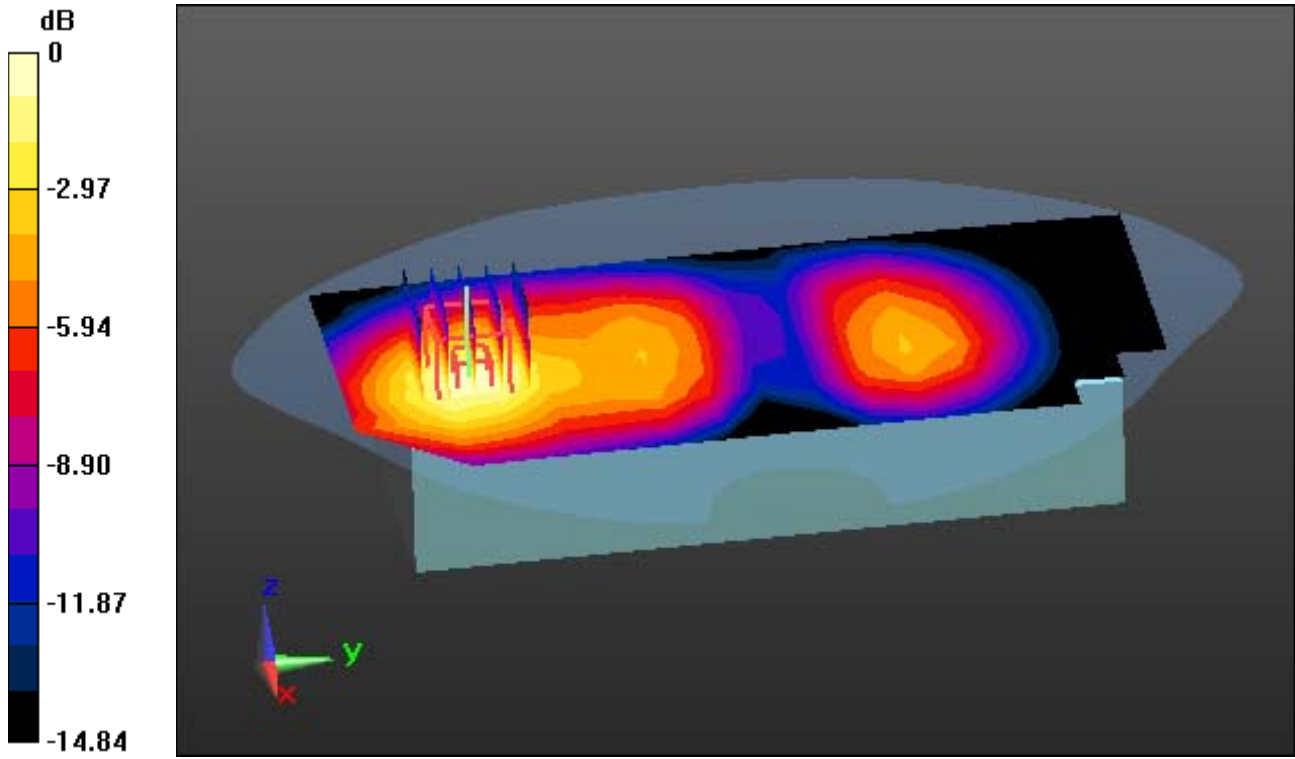
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.316 W/kg

**SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.127 W/kg**



0 dB = 0.264 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

Communication System: UID 0, LTE Band 2(FCC) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 52.039$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-02; Ambient Temp: 21.4; Tissue Temp: 21.6

**Touch from Body, Bottom, LTE Band 2 Ch. 19100, Ant Internal**

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

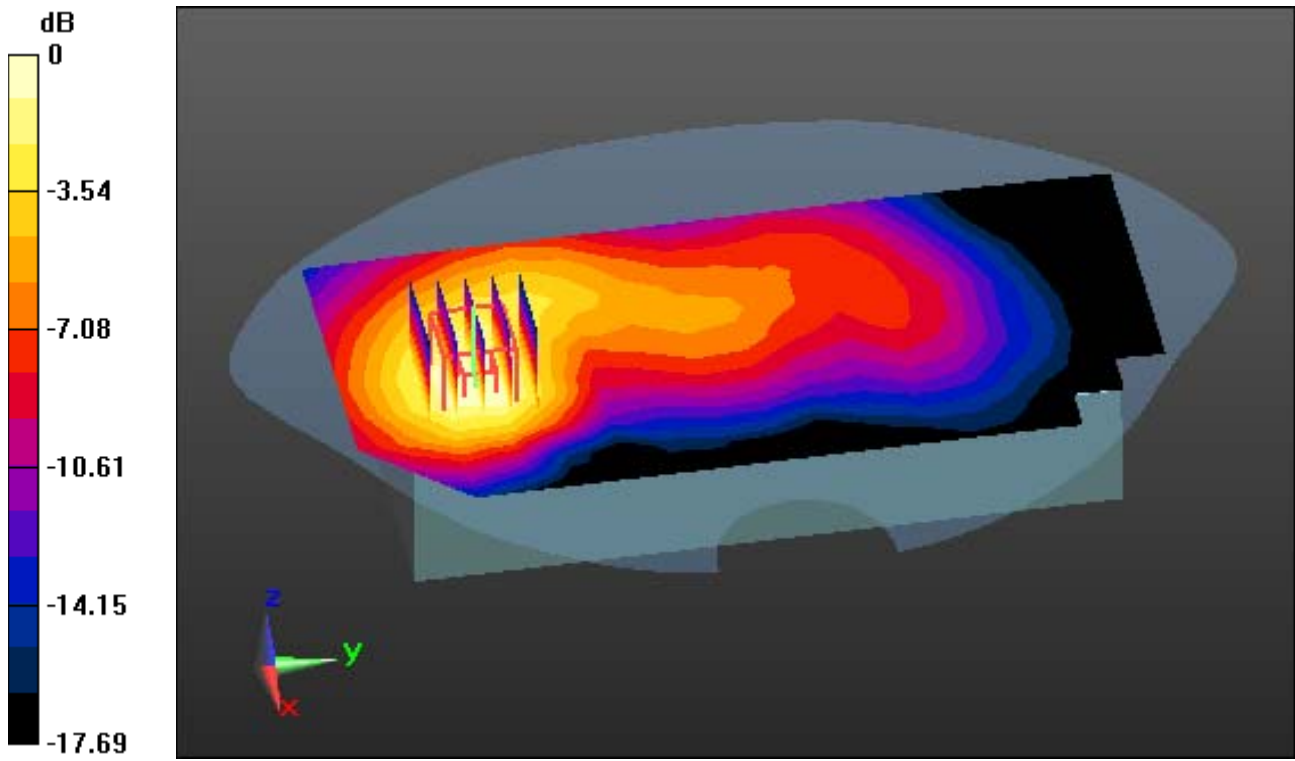
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.511 W/kg

**SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.191 W/kg**



0 dB = 0.418 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535 \text{ MHz}$ ;  $\sigma = 2.055 \text{ S/m}$ ;  $\epsilon_r = 51.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.63, 7.63, 7.63); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-04; Ambient Temp: 21.2; Tissue Temp: 21.3

**Touch from Body, Bottom, LTE Band 7 Ch. 21100, Ant Internal**

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

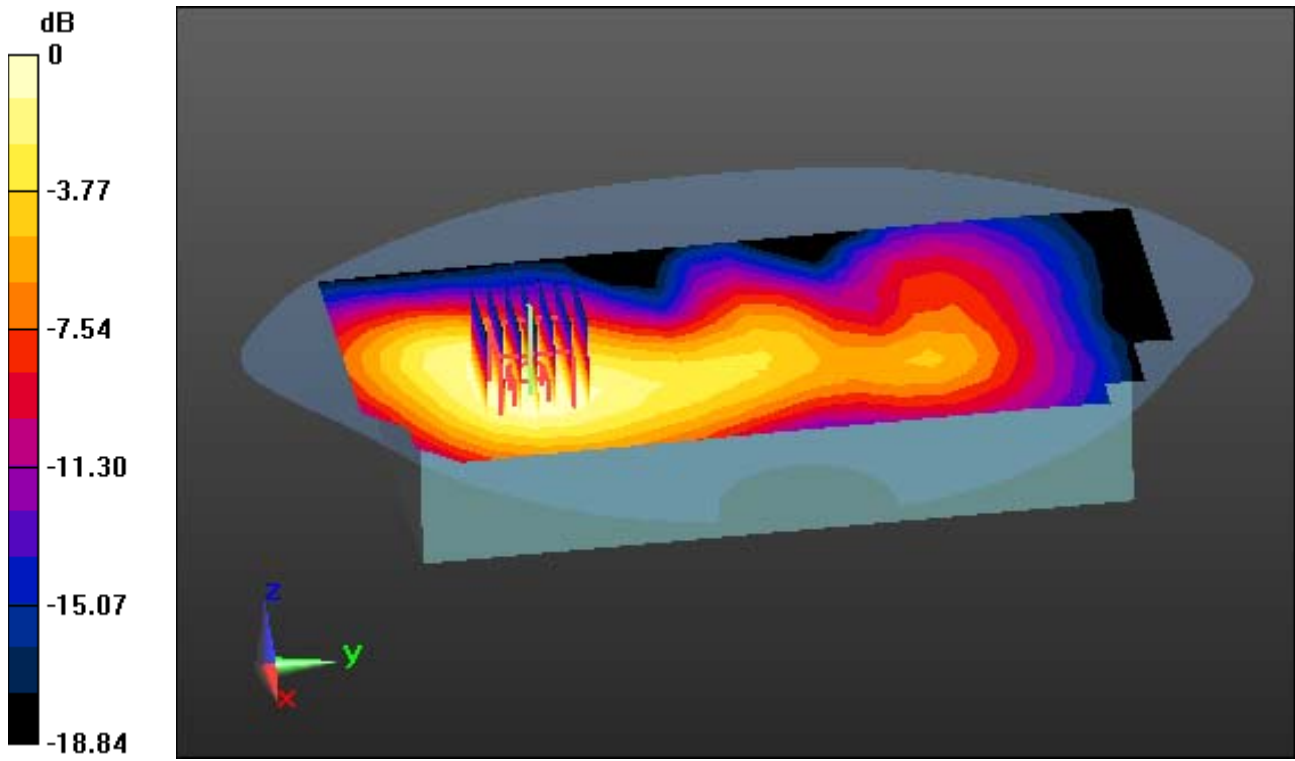
**Area Scan (11x21x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.584 W/kg

**SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.185 W/kg**



0 dB = 0.450 W/kg



## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f = 2593$  MHz;  $\sigma = 2.124$  S/m;  $\epsilon_r = 51.453$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.63, 7.63, 7.63); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-04; Ambient Temp: 21.2; Tissue Temp: 21.3

**Touch from Body, Bottom, LTE Band 41 Ch. 40620, Ant Internal**

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

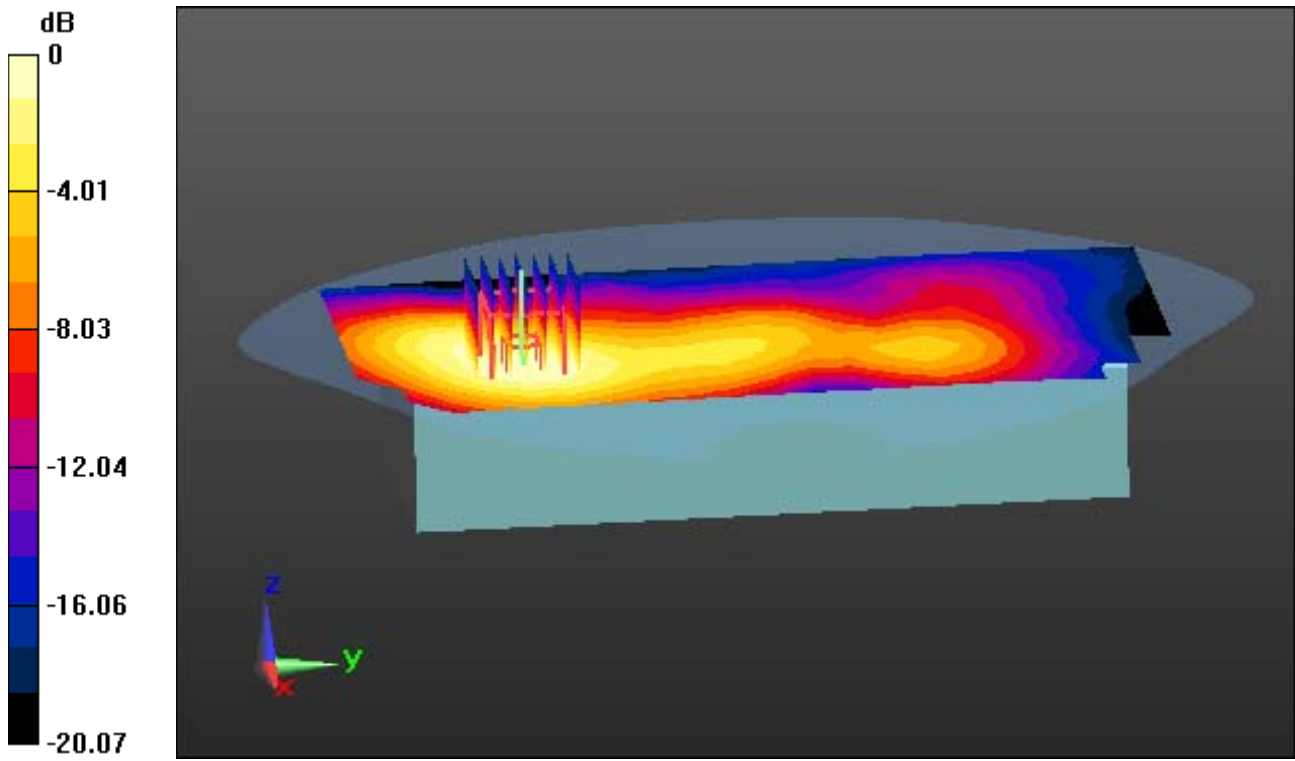
**Area Scan (11x21x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.482 W/kg

**SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.149 W/kg**





## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.973 \text{ S/m}$ ;  $\epsilon_r = 54.409$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-08; Ambient Temp: 21.1; Tissue Temp: 21.3

**Touch from Body, Bottom, W-LAN(802.11b) Ch. 11, Ant Internal**

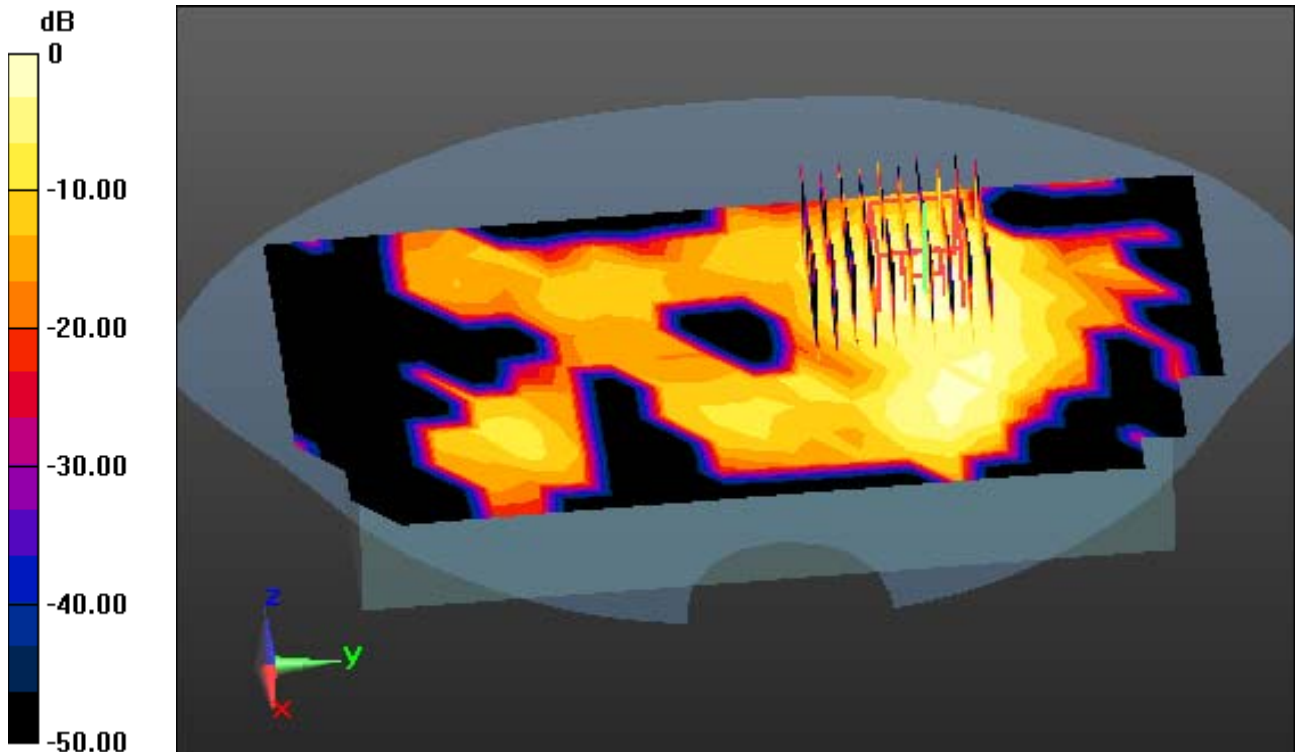
**Area Scan (11x21x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**Zoom Scan (10x10x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0420 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00568 W/kg**



0 dB = 0.0258 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.516 \text{ S/m}$ ;  $\epsilon_r = 48.39$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.51, 4.51, 4.51); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-09; Ambient Temp: 21.5; Tissue Temp: 21.8

**Touch from Body, Bottom, W-LAN(802.11a) Ch. 60, Ant Internal**

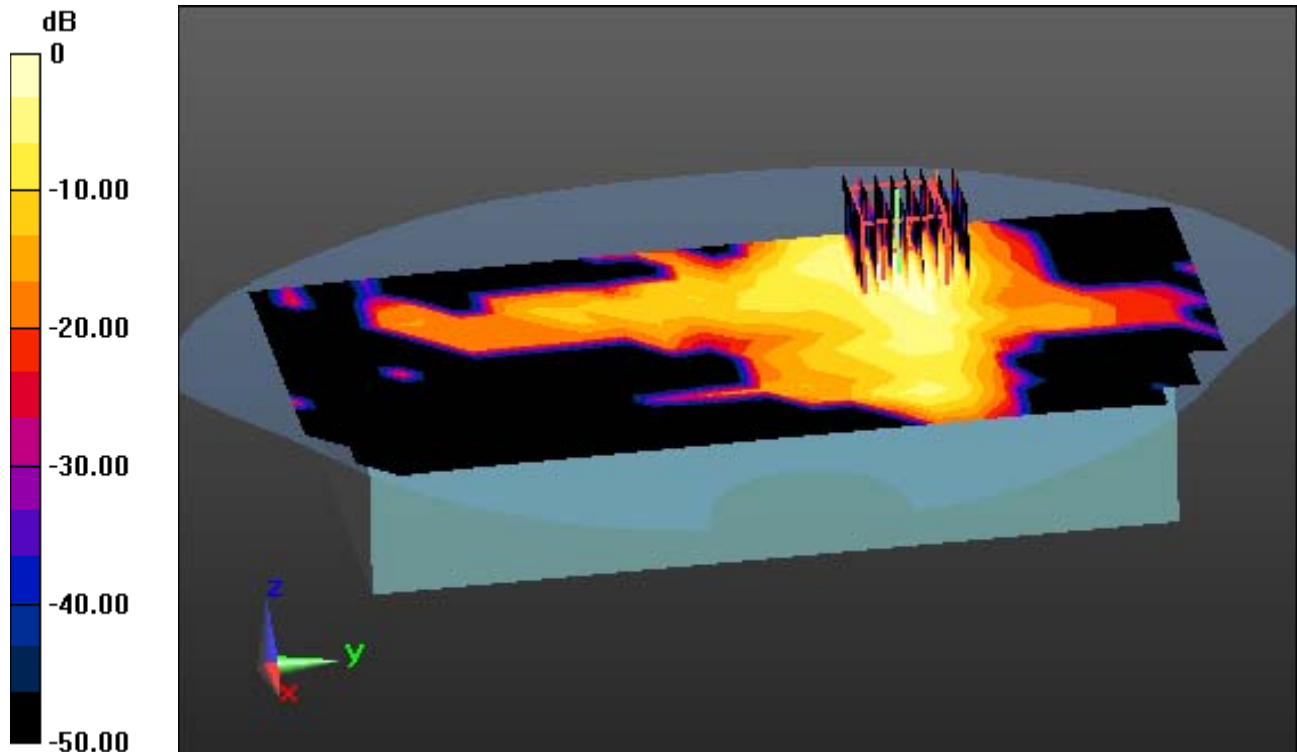
**Area Scan (13x25x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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) = 0.345 W/kg

**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.026 W/kg**



0 dB = 0.202 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5700$  MHz;  $\sigma = 6.074$  S/m;  $\epsilon_r = 47.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.1, 4.1, 4.1); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-10; Ambient Temp: 21.2; Tissue Temp: 21.5

**Touch from Body, Bottom, W-LAN(802.11a) Ch. 140, Ant Internal**

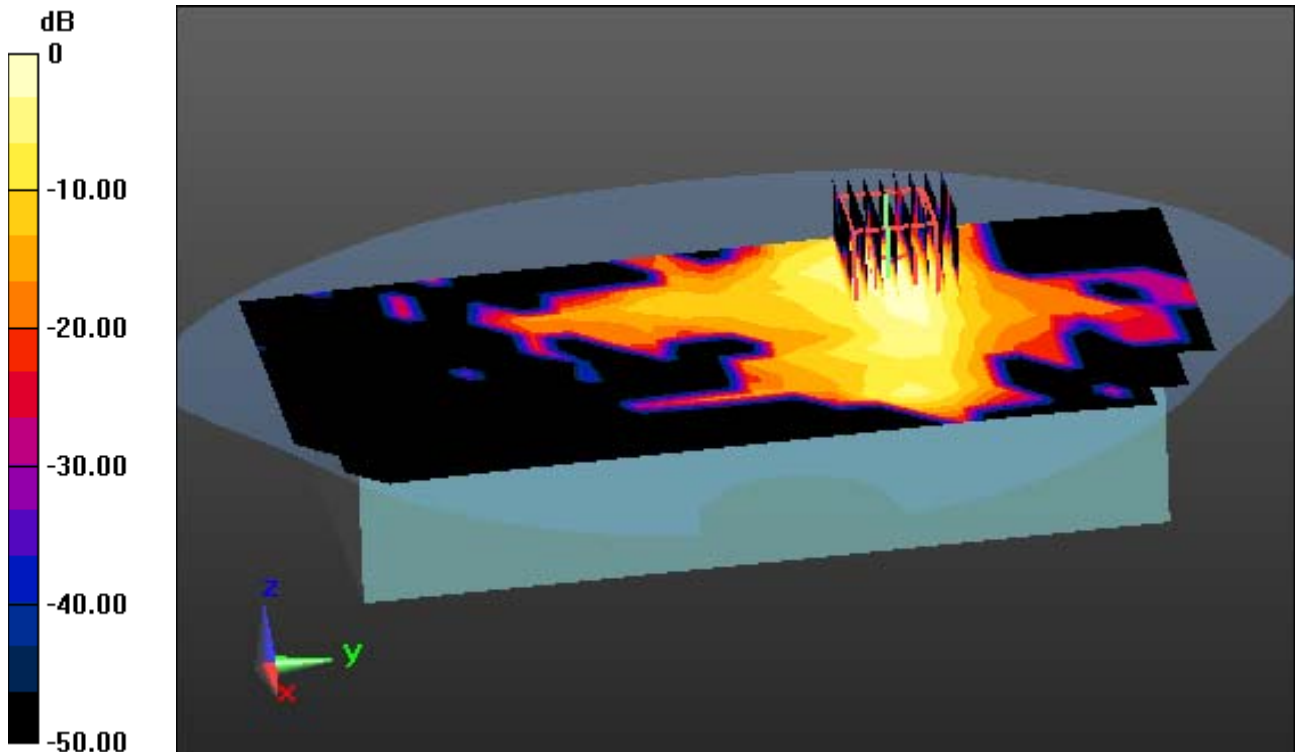
**Area Scan (13x25x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 0.624 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.043 W/kg**



0 dB = 0.344 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

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

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.142 \text{ S/m}$ ;  $\epsilon_r = 47.099$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(4.1, 4.1, 4.1); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-07-10; Ambient Temp: 21.2; Tissue Temp: 21.5

**Touch from Body, Bottom, W-LAN(802.11a) Ch. 149, Ant Internal**

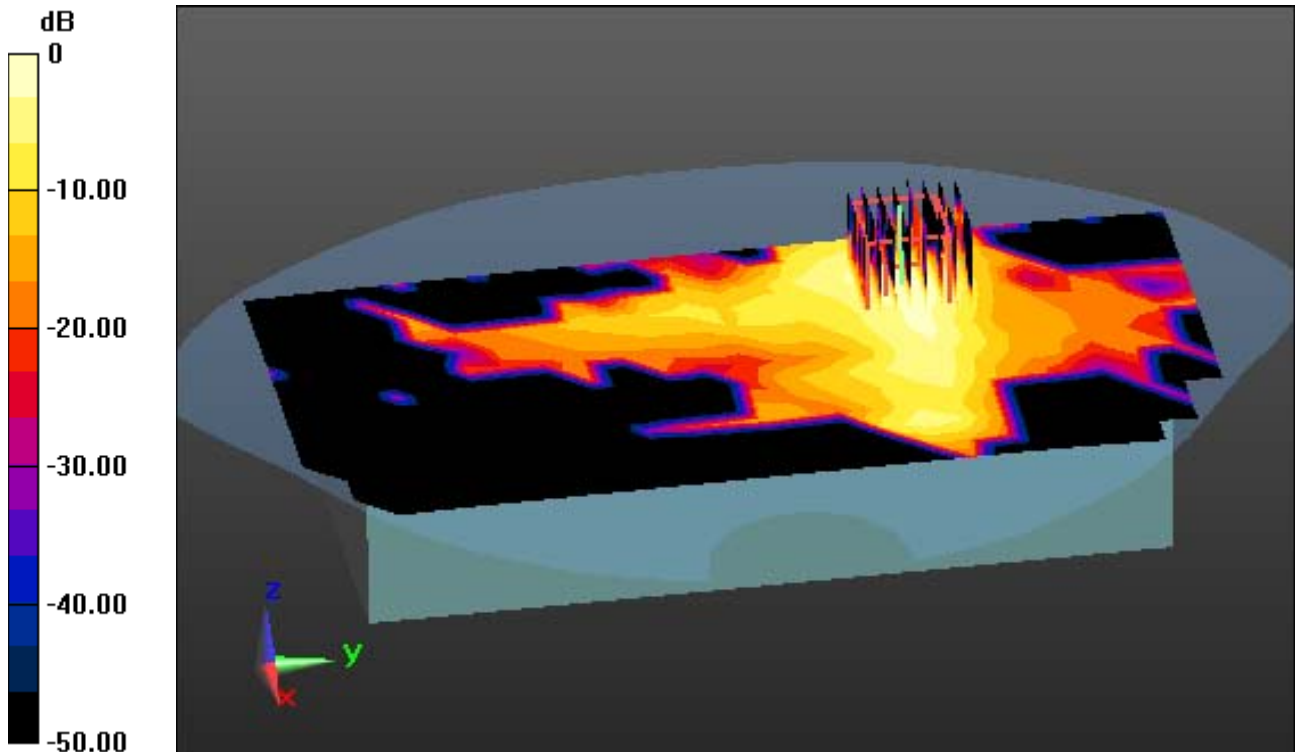
**Area Scan (13x25x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.457 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.033 W/kg**



0 dB = 0.248 W/kg

## DT&C Co., Ltd.

**DUT: DOTR-3000; Type: Gun**

Communication System: UID 0, RFID(FCC) (0); Frequency: 914.75 MHz; Duty Cycle: 1:4.903  
Medium parameters used (interpolated):  $f = 914.75$  MHz;  $\sigma = 1.089$  S/m;  $\epsilon_r = 56.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.2, 10.2, 10.2); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-07-22; Ambient Temp: 21.1; Tissue Temp: 21.5

**Touch from Body, Pistol Grip, RFID Ch. 25, Ant Internal**

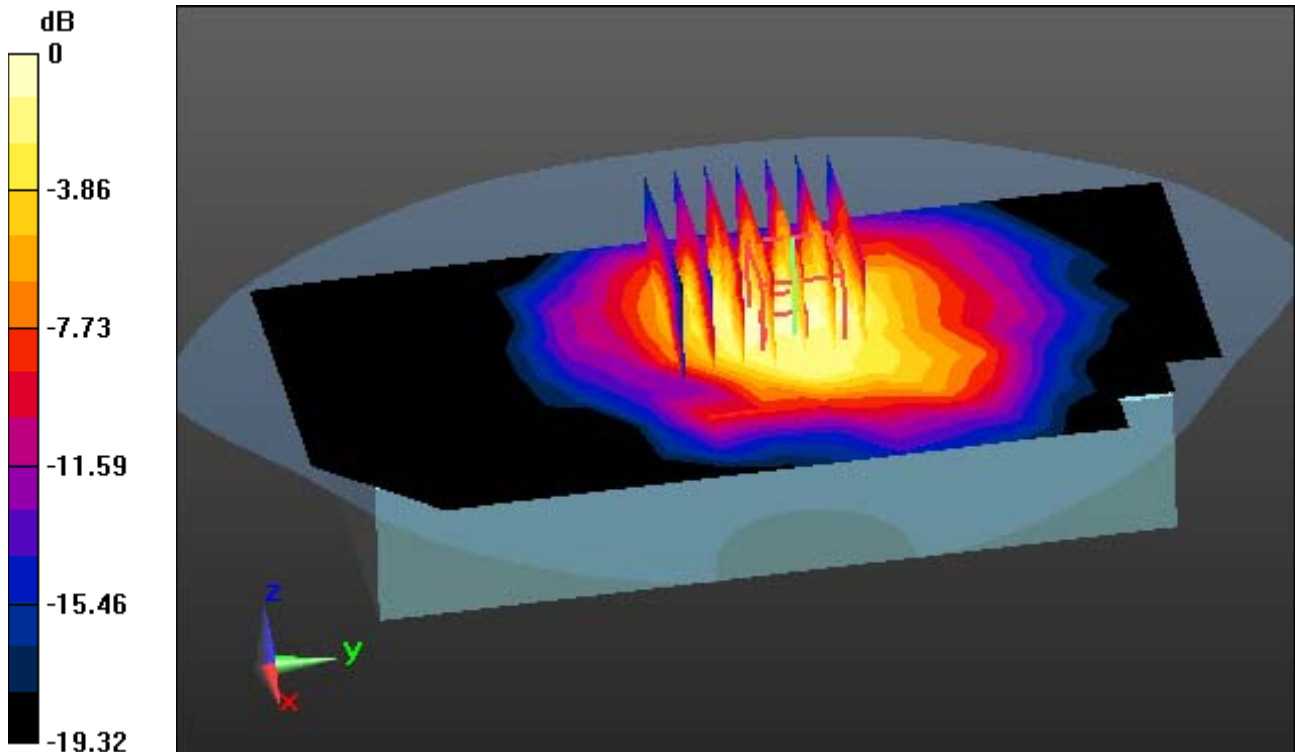
**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.527 W/kg

**SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.234 W/kg**



0 dB = 0.423 W/kg