

## 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;  $\sigma = 0.916$  S/m;  $\epsilon_r = 42.482$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-10; Ambient Temp: 20.3; Tissue Temp: 20.7

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

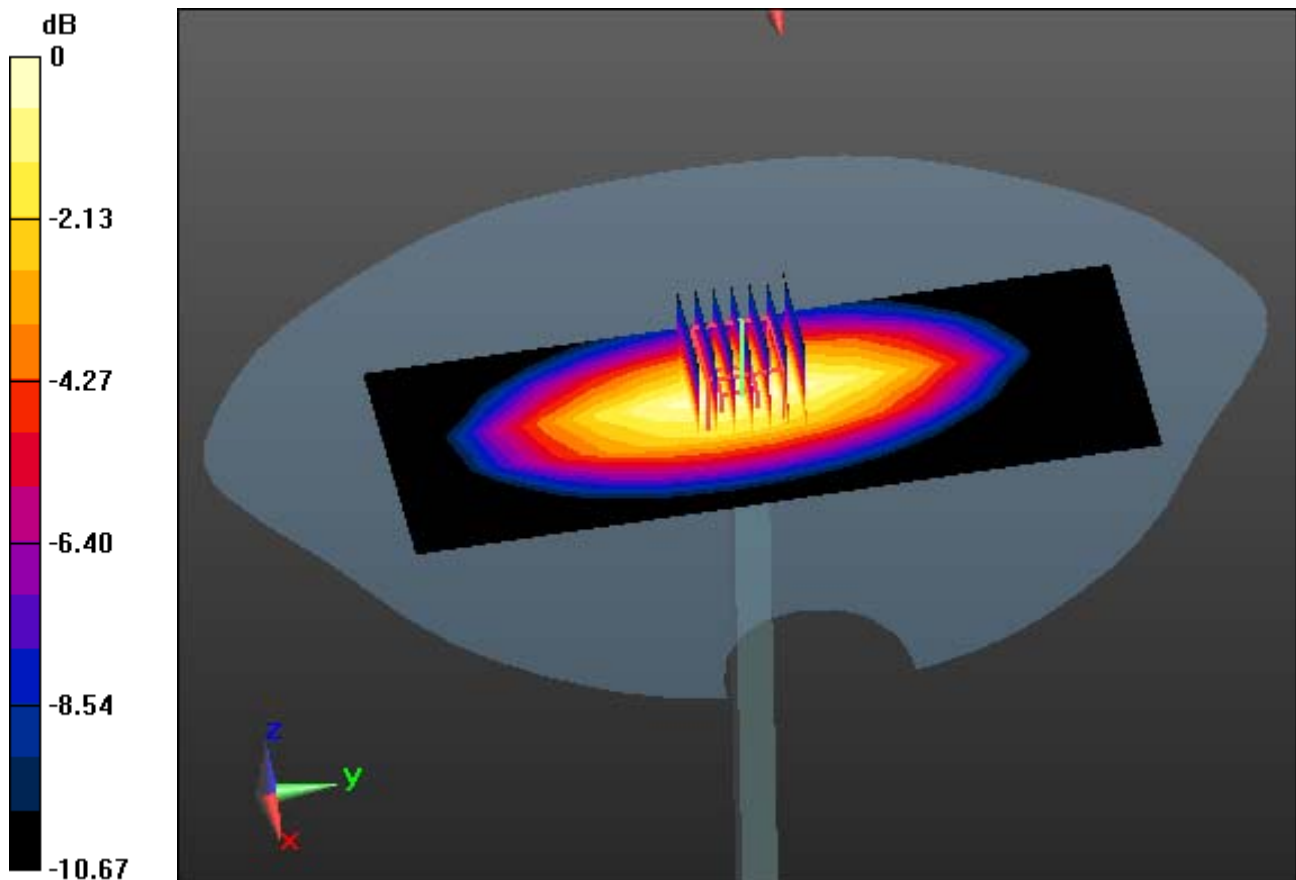
**Area Scan (6x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.99 W/kg

**SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.35 W/kg**



0 dB = 2.57 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;  $\sigma = 0.974$  S/m;  $\epsilon_r = 57.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-10; Ambient Temp: 20.3; Tissue Temp: 20.9

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

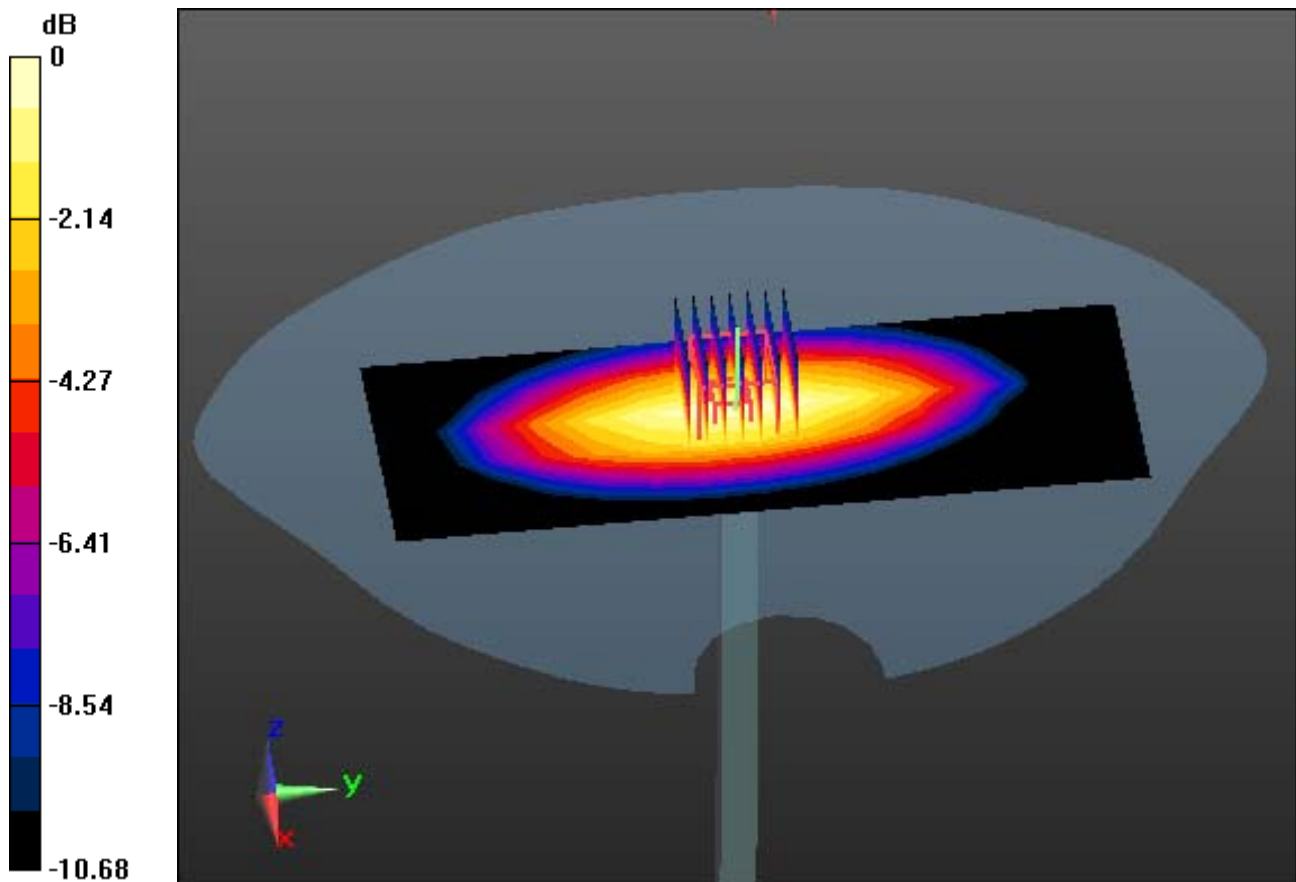
**Area Scan (6x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.45 W/kg

**SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.43 W/kg**



0 dB = 2.89 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.881$  S/m;  $\epsilon_r = 41.806$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-07; Ambient Temp: 20.5; Tissue Temp: 20.8

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

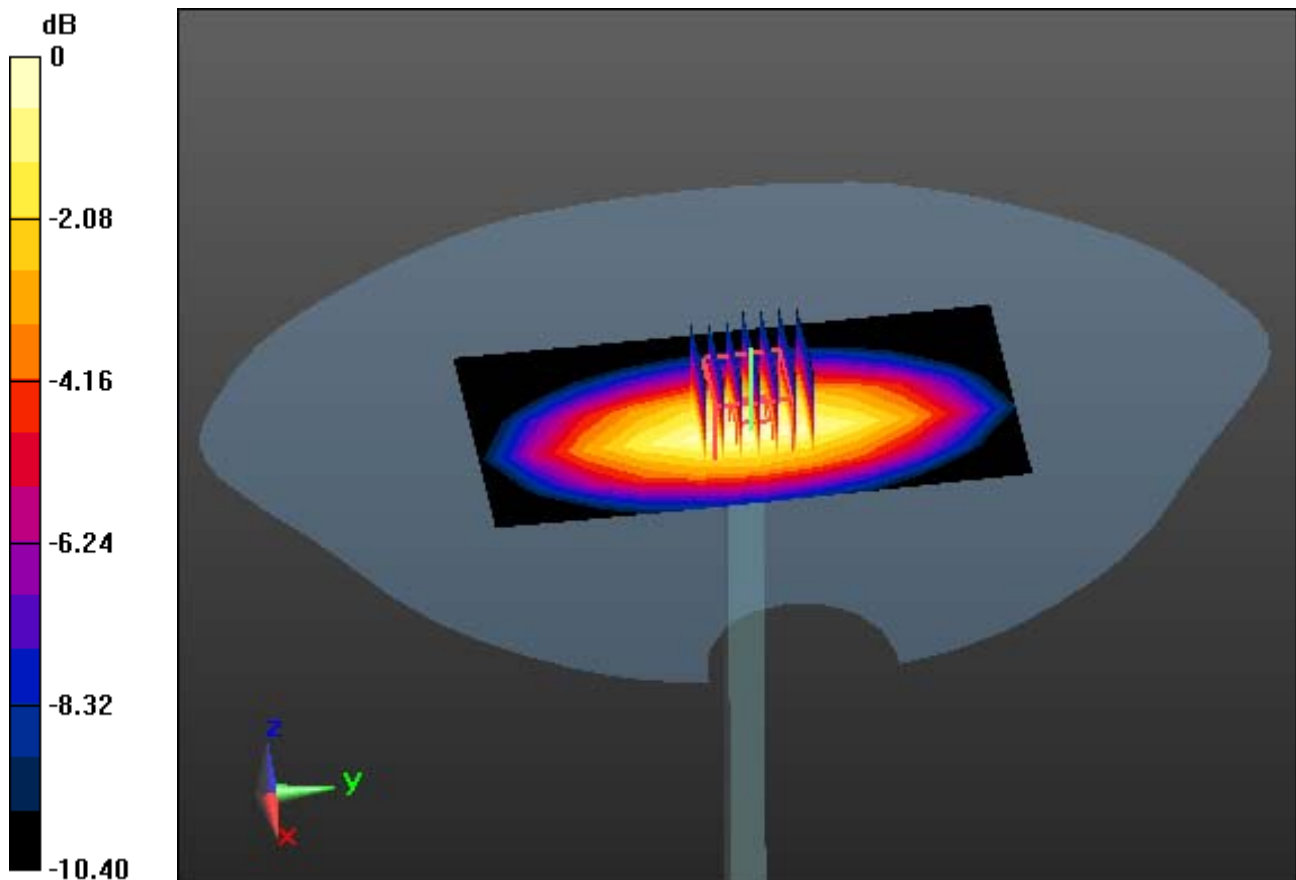
**Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.41 W/kg

**SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.41 W/kg**



0 dB = 2.87 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 54.397$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-07; Ambient Temp: 20.5; Tissue Temp: 20.7

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

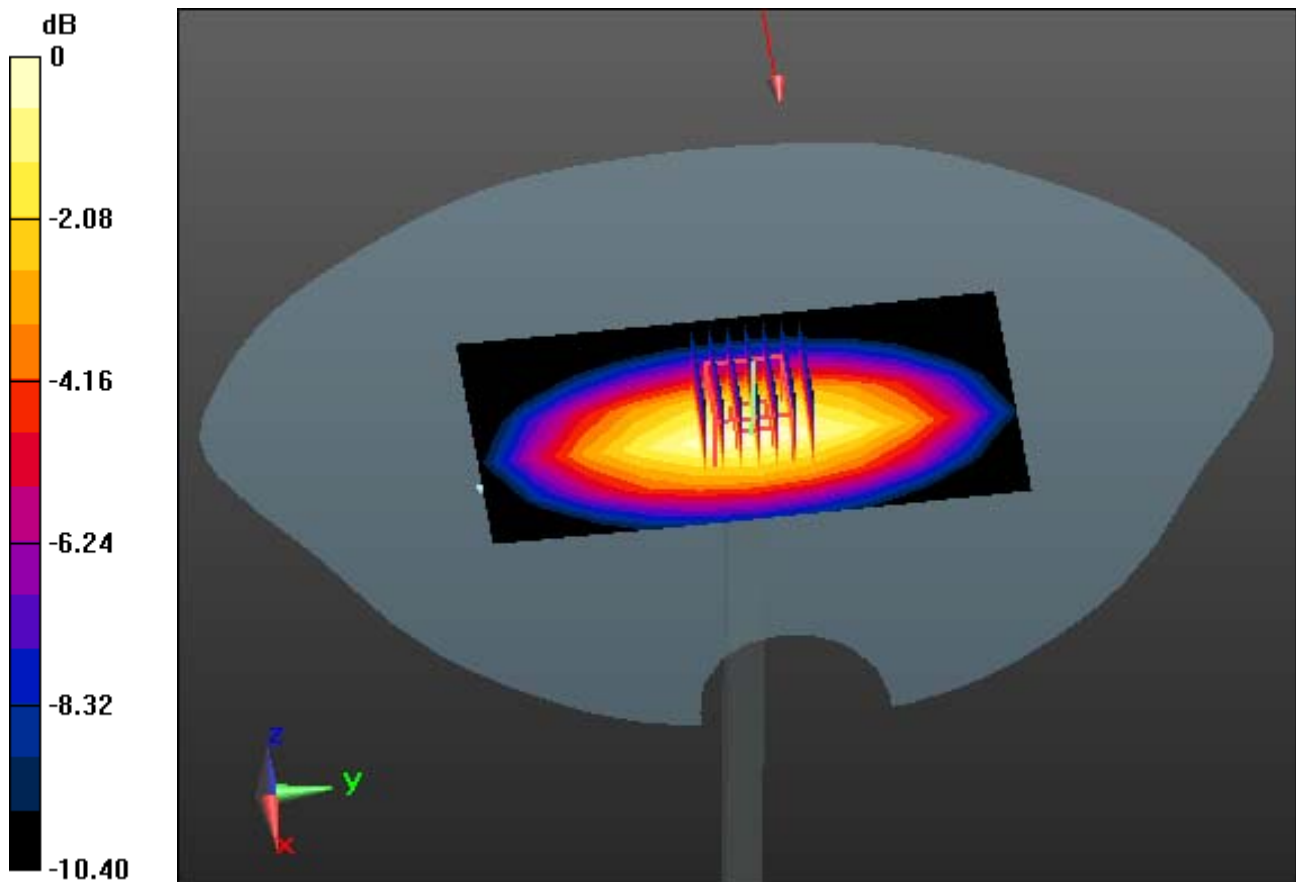
**Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.56 W/kg

**SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.45 W/kg**



0 dB = 2.96 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.881$  S/m;  $\epsilon_r = 42.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-09; Ambient Temp: 20.3; Tissue Temp: 20.6

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

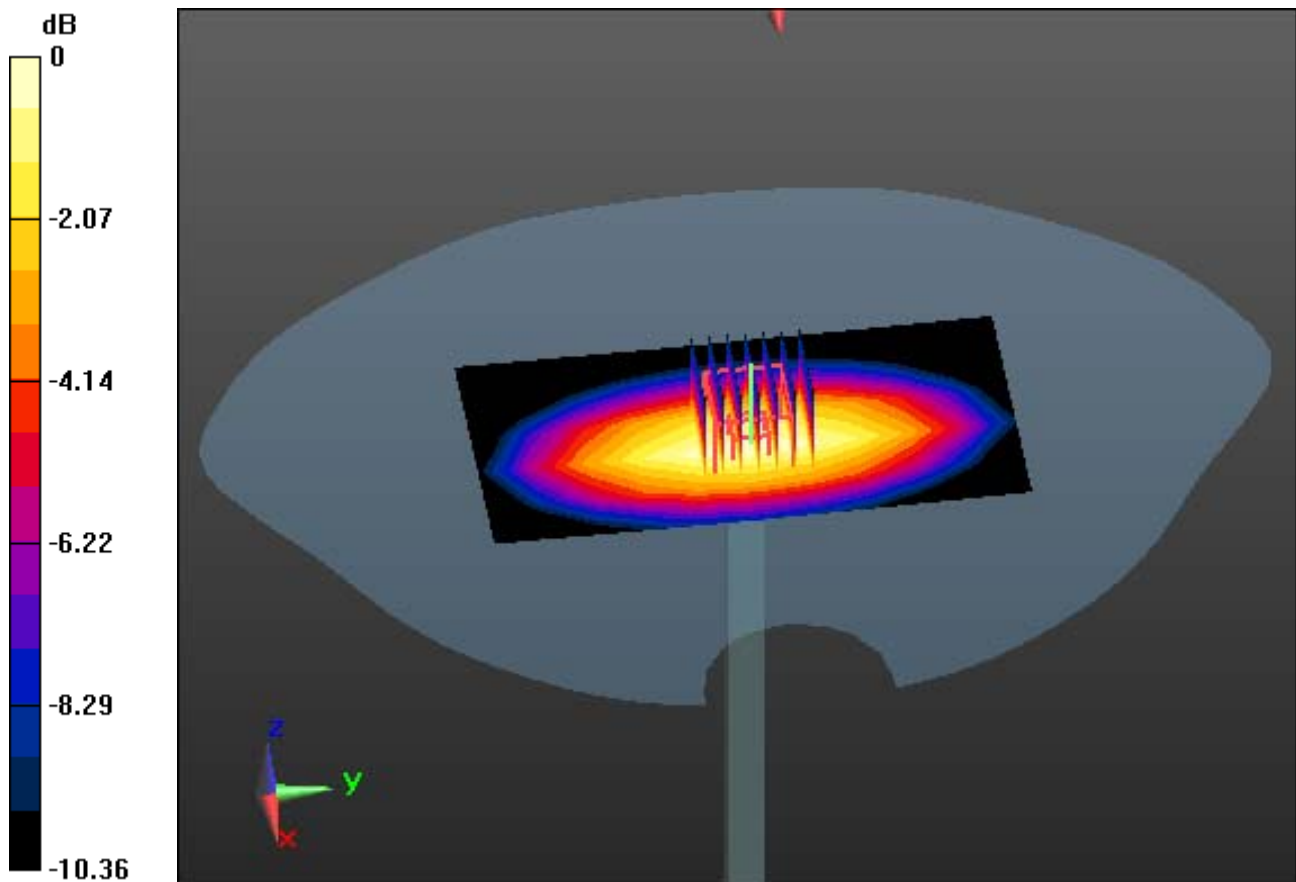
**Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.49 W/kg

**SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.45 W/kg**



0 dB = 2.95 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 1.006$  S/m;  $\epsilon_r = 54.367$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-09; Ambient Temp: 20.3; Tissue Temp: 20.5

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

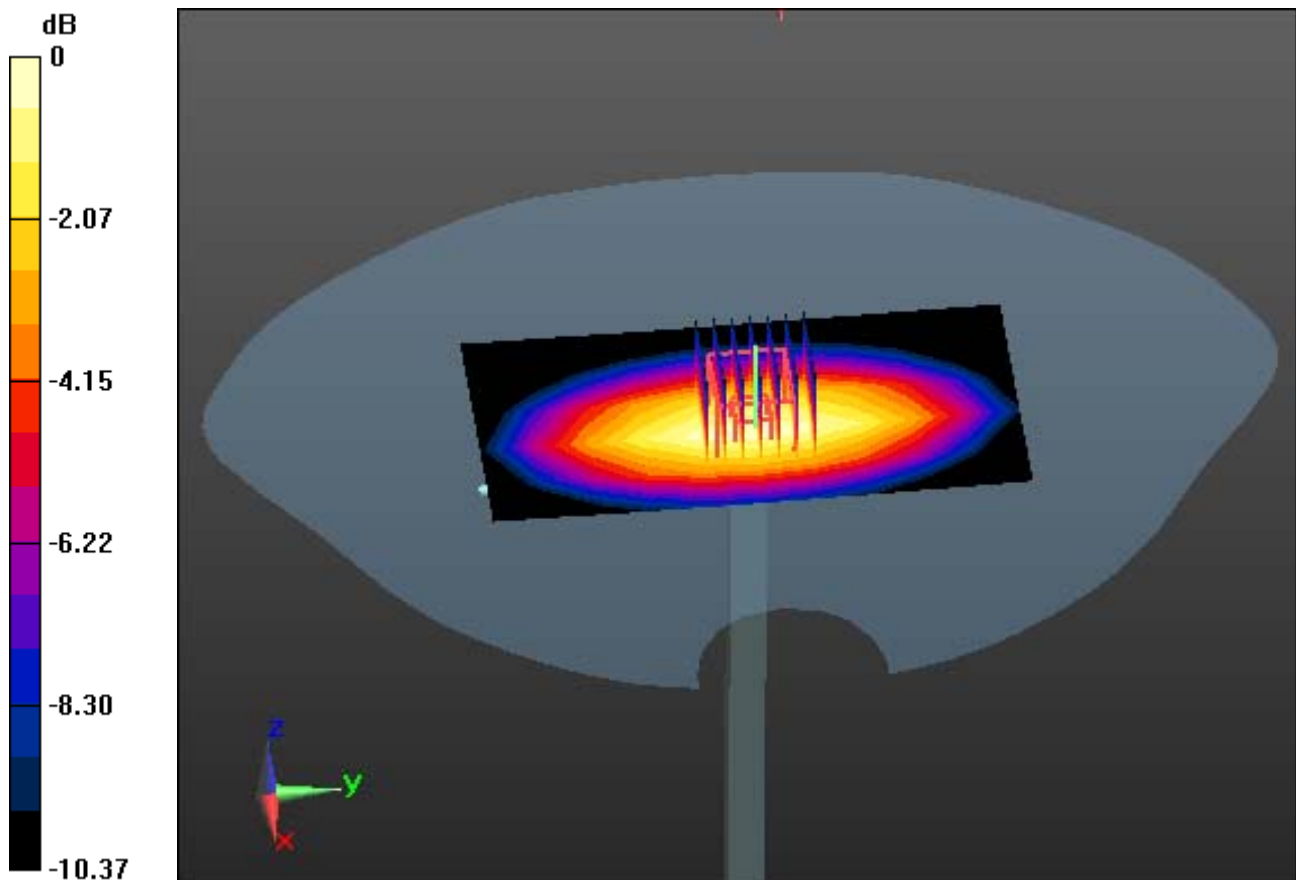
**Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.59 W/kg

**SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.56 W/kg**



0 dB = 3.16 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;  $\sigma = 1.434$  S/m;  $\epsilon_r = 38.681$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.03, 8.03, 8.03); Calibrated: 2018-05-31; Electronics: DAE4 Sn1391  
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: 2019-01-08; Ambient Temp: 20.6; Tissue Temp: 20.9

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

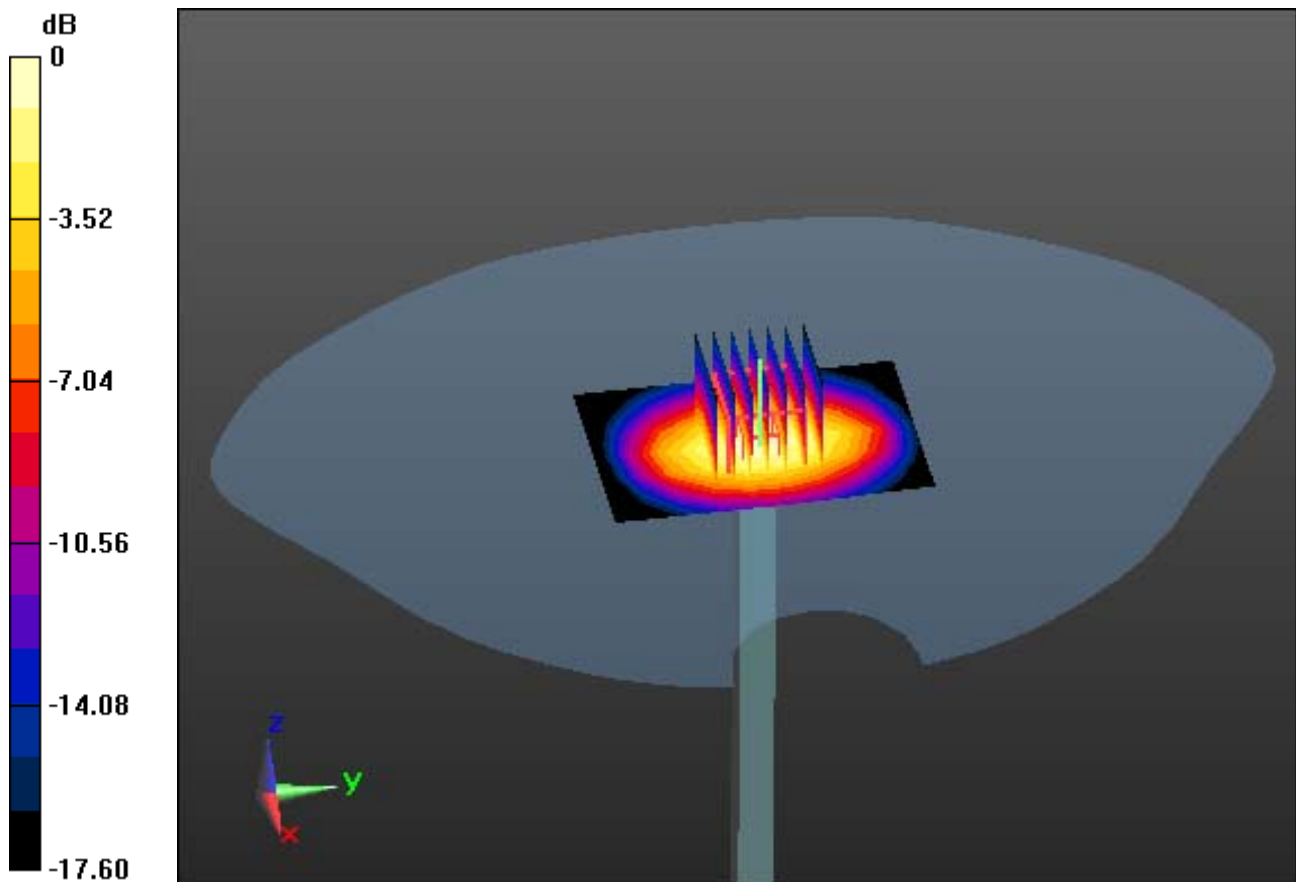
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 8.65 W/kg

**SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.12 W/kg**



0 dB = 7.86 W/kg



## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.558$  S/m;  $\epsilon_r = 52.07$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.68, 7.68, 7.68); Calibrated: 2018-05-31; Electronics: DAE4 Sn1391  
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: 2019-01-08; Ambient Temp: 20.6; Tissue Temp: 21.0

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

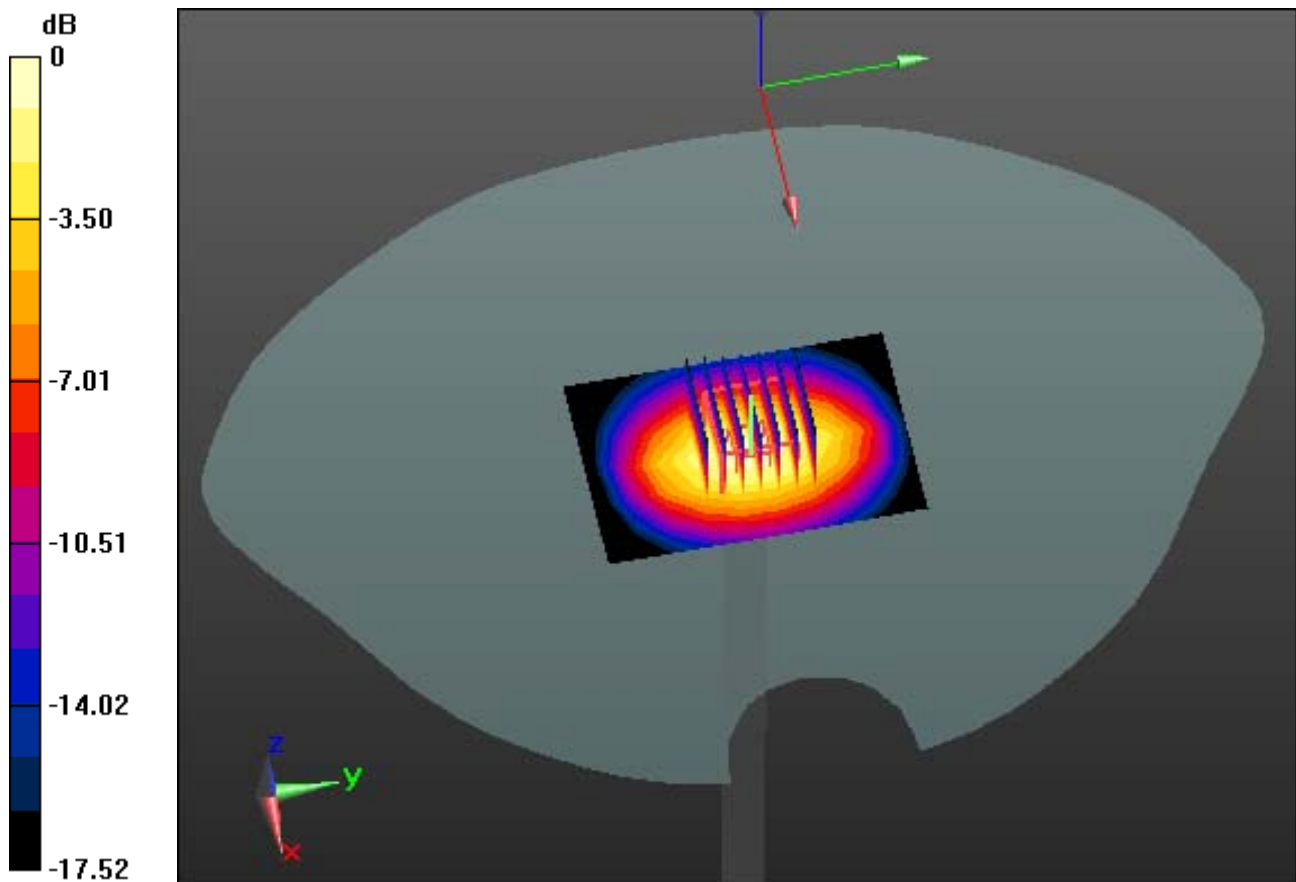
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 9.58 W/kg

**SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.12 W/kg**



0 dB = 8.38 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.842$  S/m;  $\epsilon_r = 37.756$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.72, 7.72, 7.72); Calibrated: 4/25/2018; 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: 2019-01-15; Ambient Temp: 20.9; Tissue Temp: 21.3

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

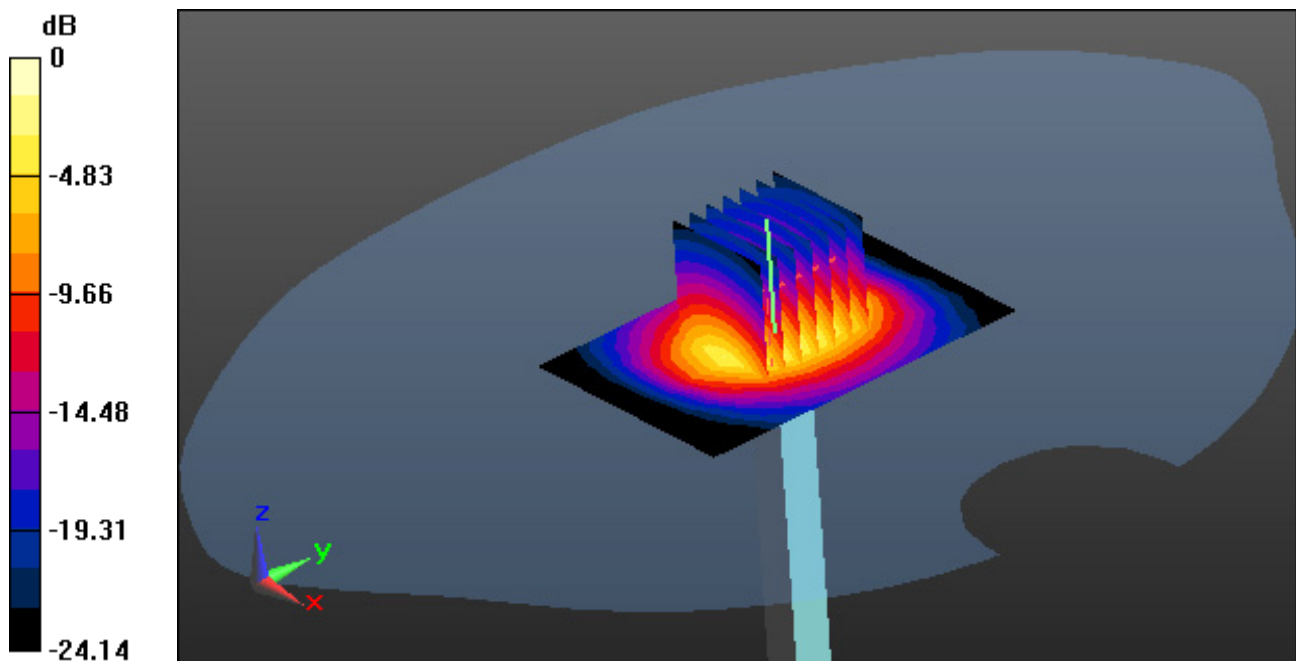
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.38 W/kg



0 dB = 12.1 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.914$  S/m;  $\epsilon_r = 51.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/25/2018; 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: 2019-01-15; Ambient Temp: 20.9; Tissue Temp: 21.0

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

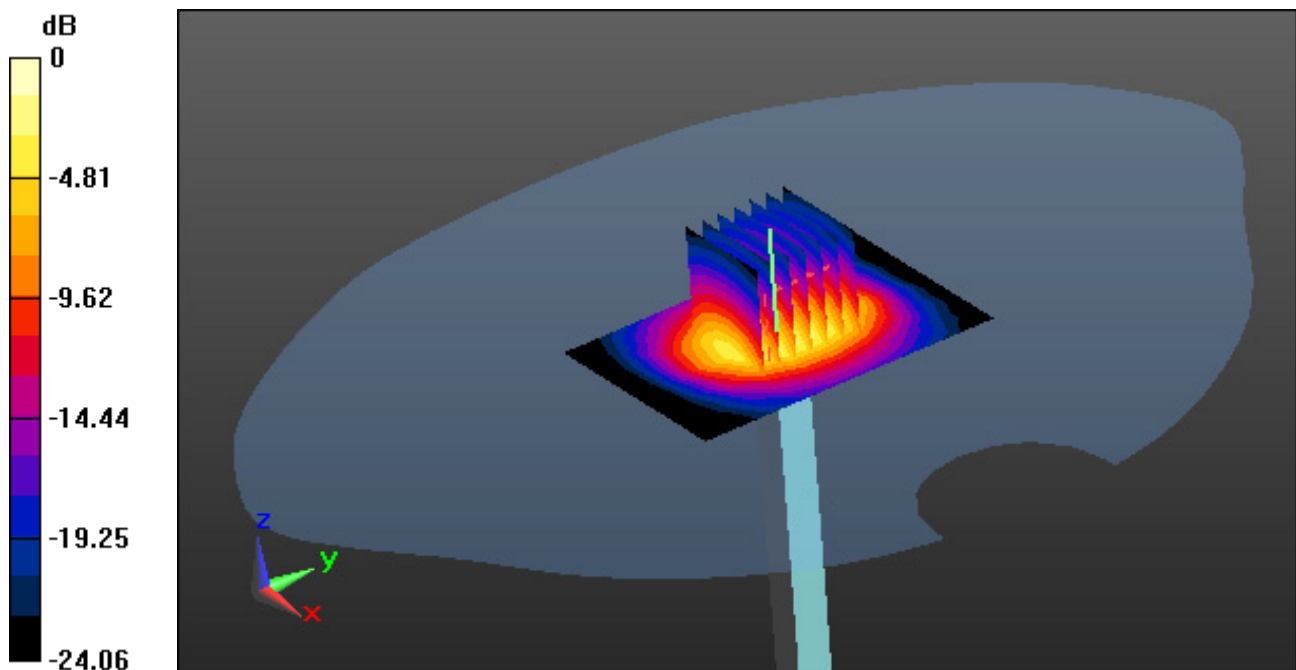
**Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.25 W/kg; SAR(10 g) = 2.48 W/kg



0 dB = 12.8 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.882$  S/m;  $\epsilon_r = 41.785$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-07; Ambient Temp: 20.5; Tissue Temp: 20.8

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

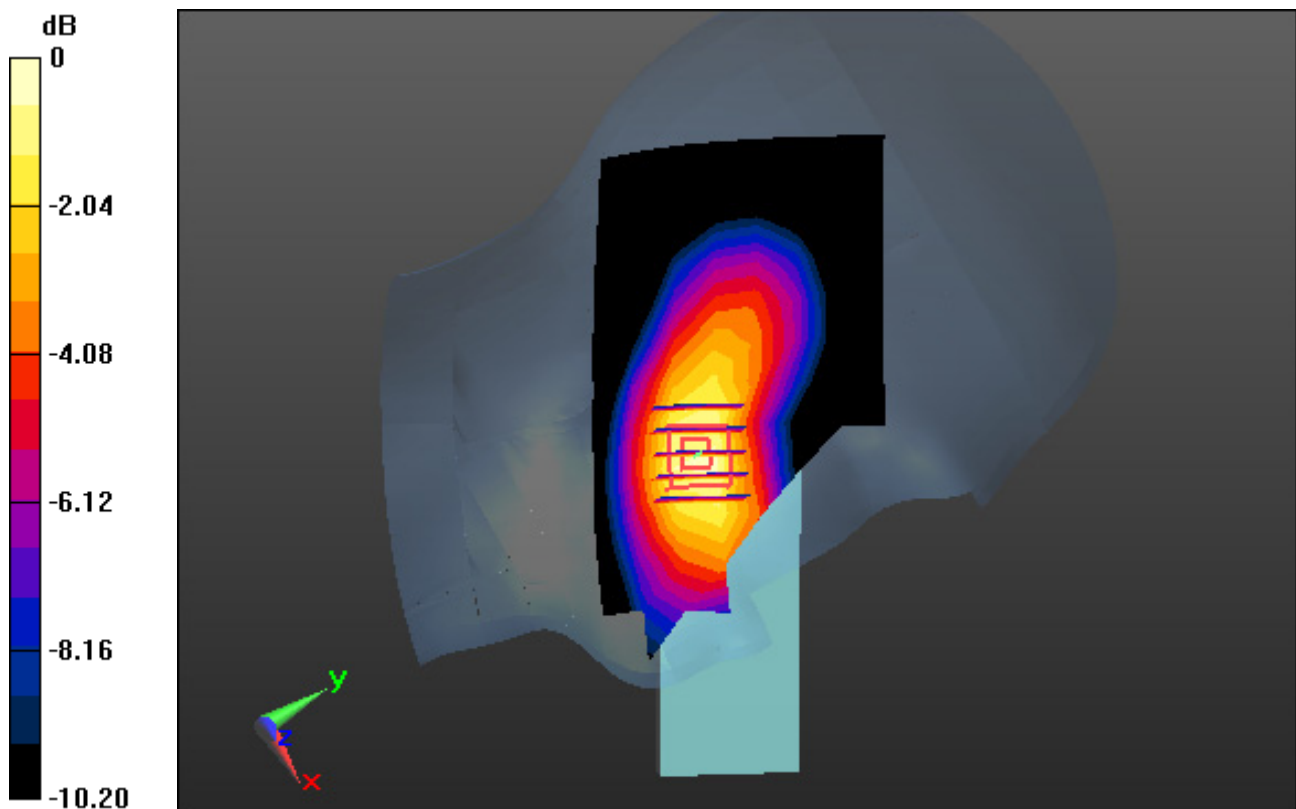
**Area Scan (8x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.889 W/kg

**SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.427 W/kg**



0 dB = 0.723 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.882$  S/m;  $\epsilon_r = 41.785$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-07; Ambient Temp: 20.5; Tissue Temp: 20.8

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

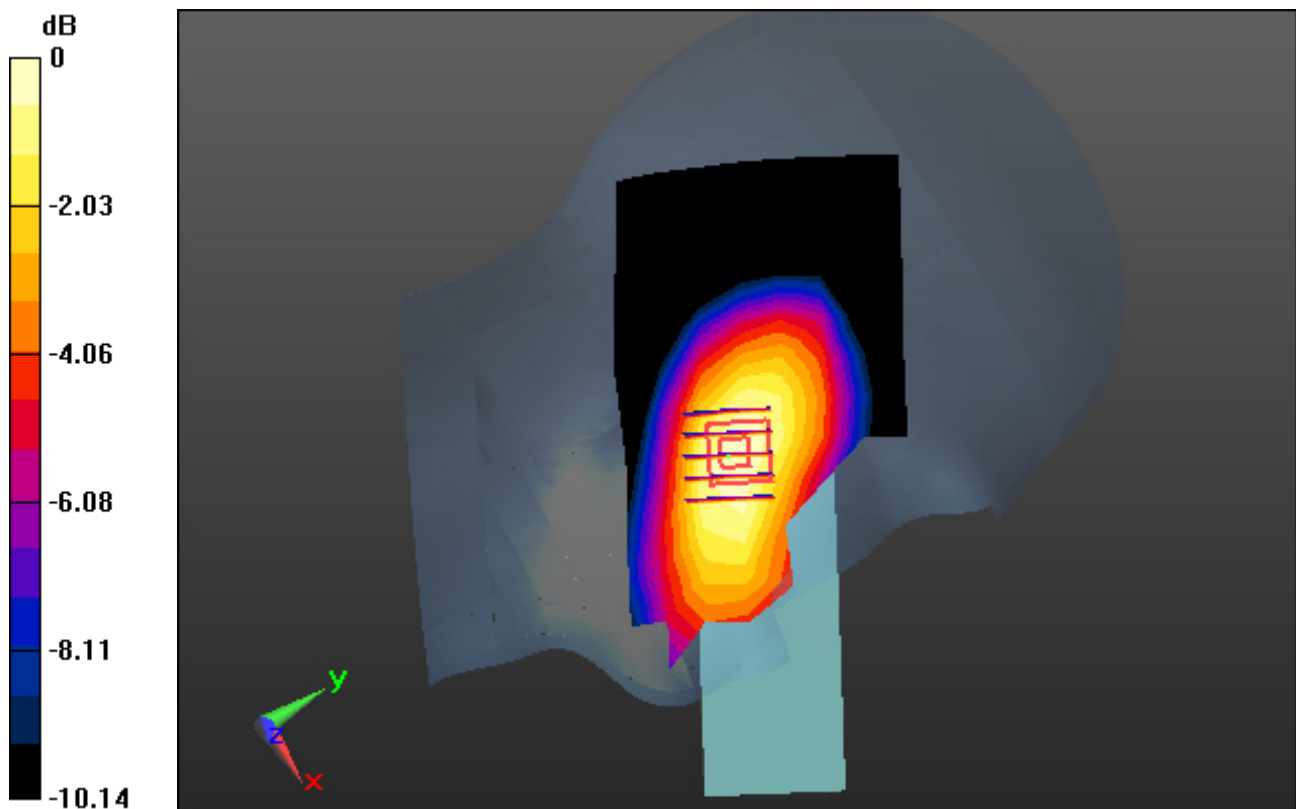
**Area Scan (8x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.447 W/kg



0 dB = 0.717 W/kg

## DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 38.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.03, 8.03, 8.03); Calibrated: 2018-05-31; Electronics: DAE4 Sn1391  
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: 2019-01-08; Ambient Temp: 20.6; Tissue Temp: 20.9

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

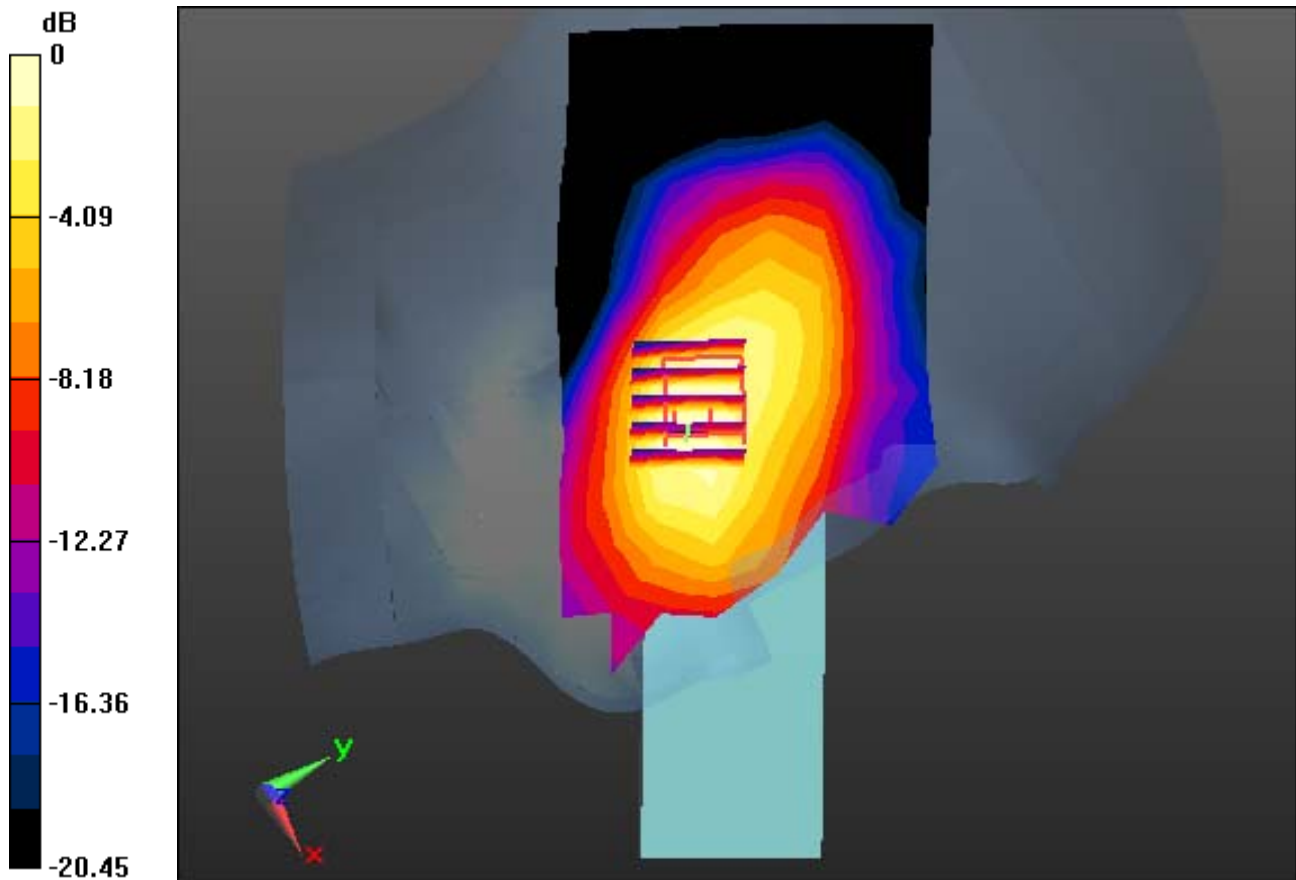
**Area Scan (8x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.373 W/kg**



0 dB = 0.868 W/kg

## DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 38.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.03, 8.03, 8.03); Calibrated: 2018-05-31; Electronics: DAE4 Sn1391  
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: 2019-01-08; Ambient Temp: 20.6; Tissue Temp: 20.9

**Left Touch, PCS1900 GPRS 4 Tx, Ch. 661, Ant Internal, Standard Battery**

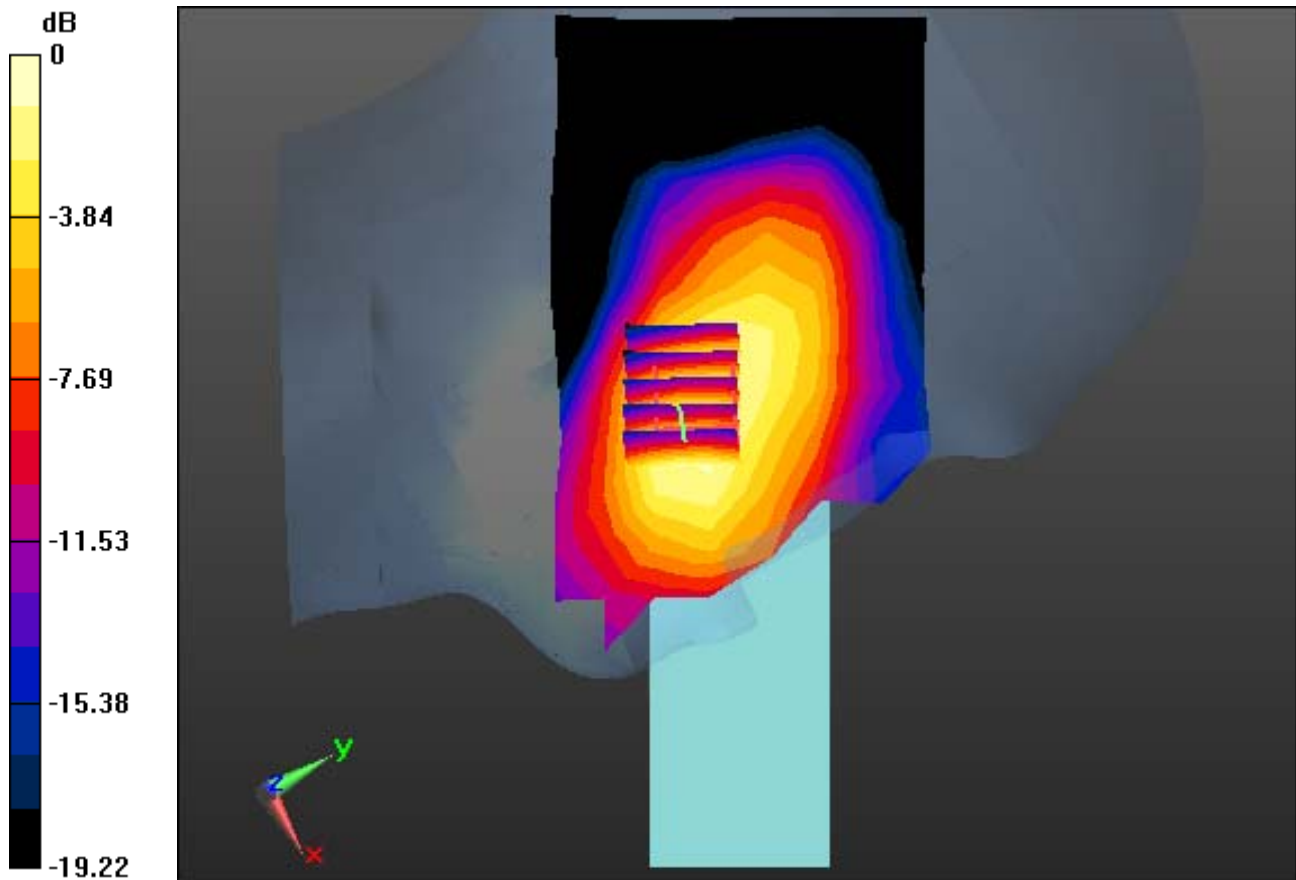
**Area Scan (8x17x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.683 W/kg; SAR(10 g) = 0.405 W/kg**



0 dB = 0.898 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.883 \text{ S/m}$ ;  $\epsilon_r = 42.138$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-09; Ambient Temp: 20.3; Tissue Temp: 20.6

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

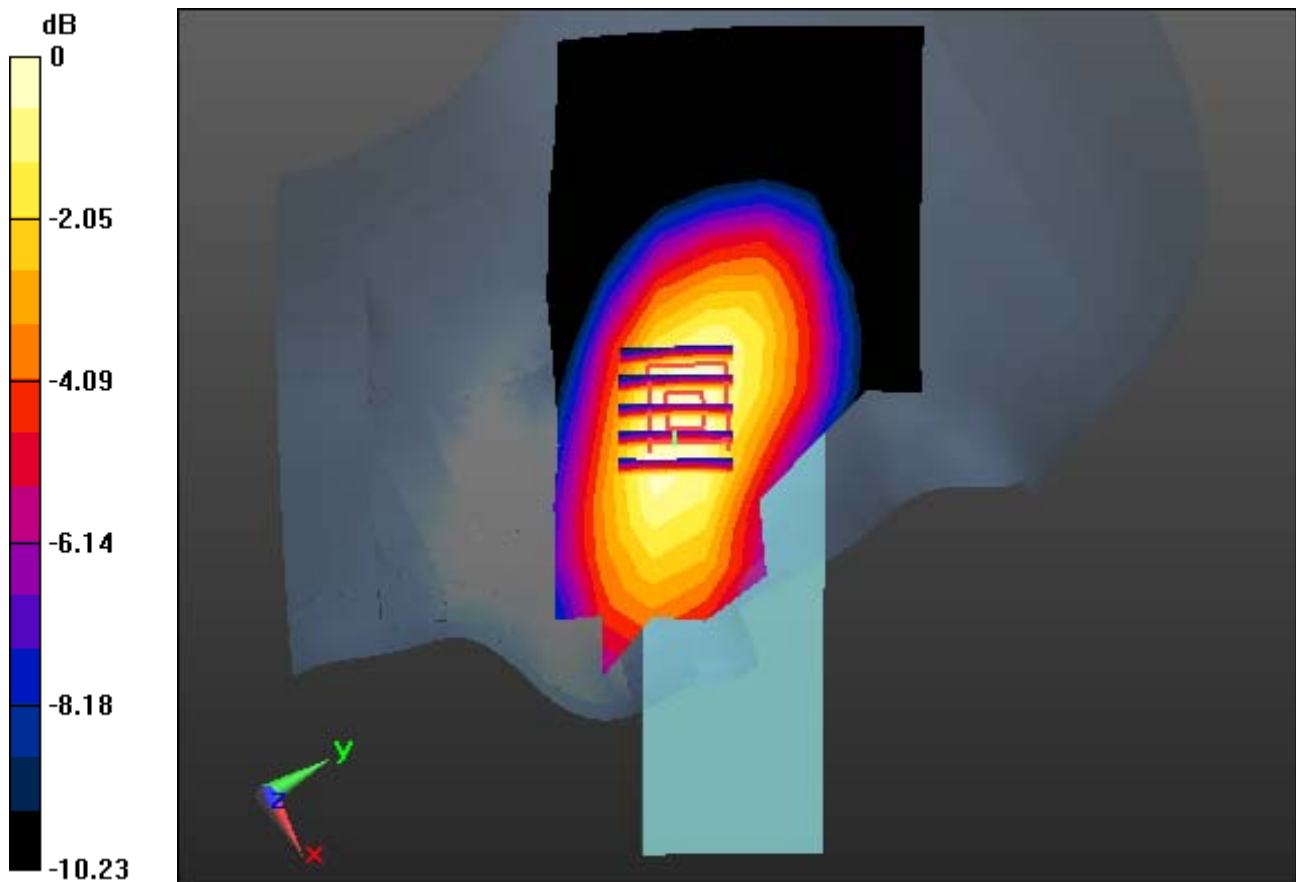
**Area Scan (8x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.676 W/kg

**SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.335 W/kg**



0 dB = 0.541 W/kg



# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, LTE Band 17(FCC) (0); Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 710 \text{ MHz}$ ;  $\sigma = 0.875 \text{ S/m}$ ;  $\epsilon_r = 42.941$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-10; Ambient Temp: 20.3; Tissue Temp: 20.7

**Left Touch, LTE Band 17 Ch. 23790, Ant Internal, Standard Battery**

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

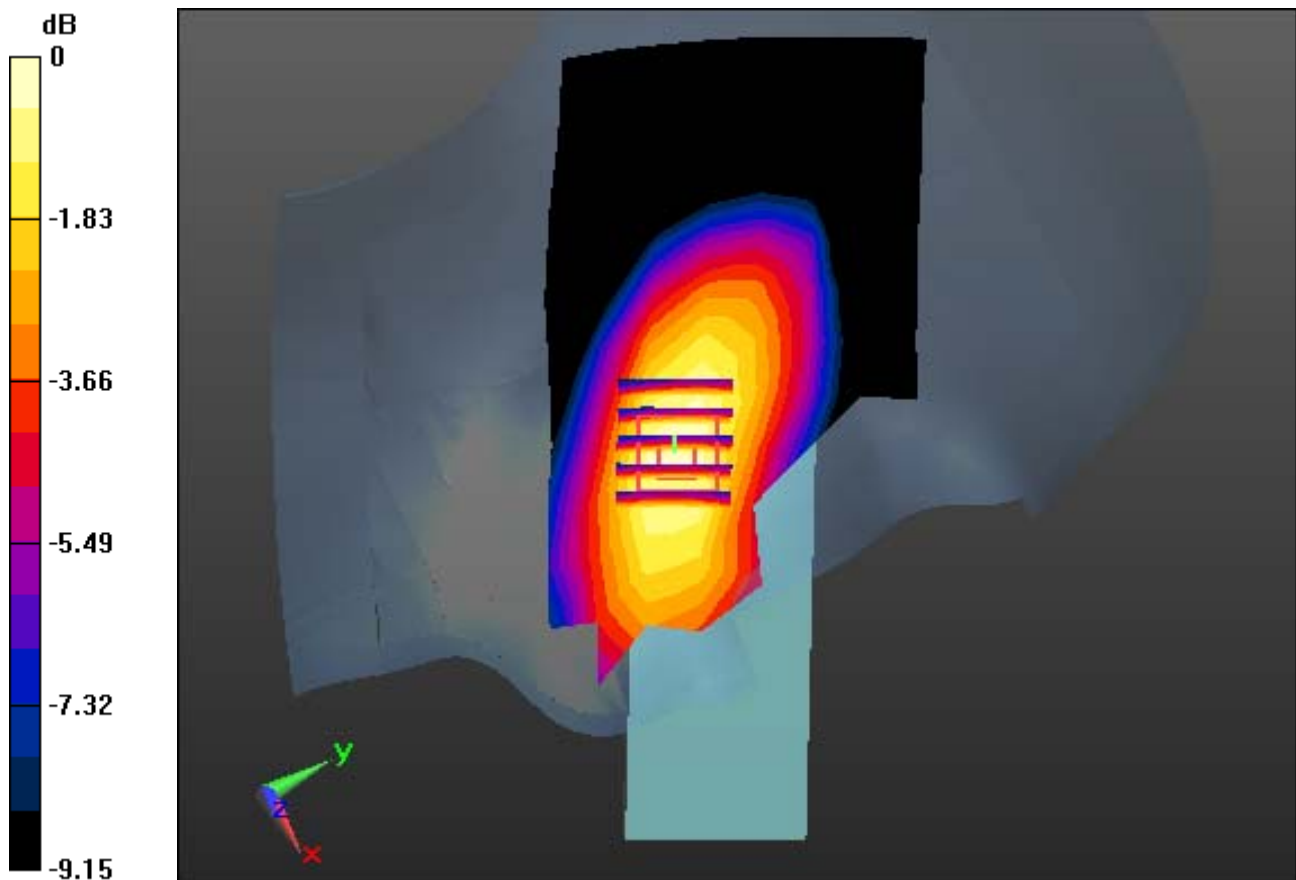
**Area Scan (8x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.704 W/kg

**SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.358 W/kg**



0 dB = 0.565 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 37.791$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.72, 7.72, 7.72); Calibrated: 4/25/2018; 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: 2019-01-15; Ambient Temp: 20.9; Tissue Temp: 21.3

**Right Touch, W-LAN(802.11b - 2.4G) Ch. 6, Ant Internal, Standard Battery**

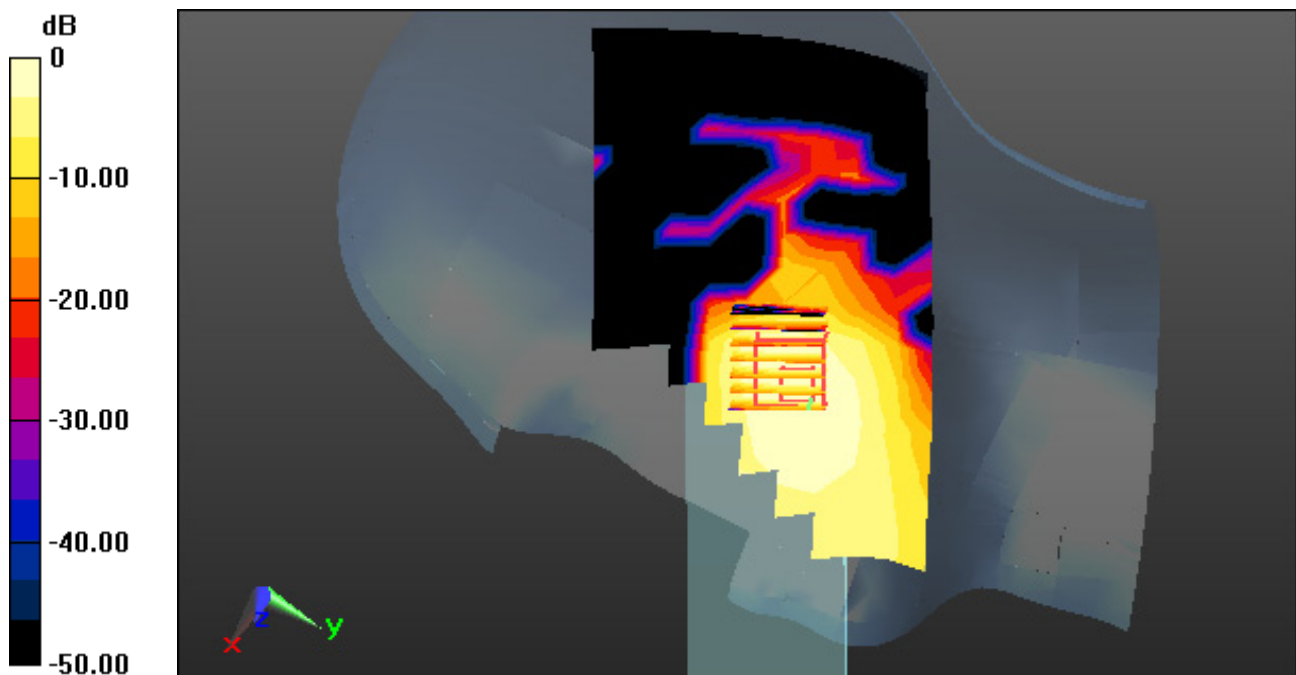
**Area Scan (10x21x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0700 W/kg

**SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.020 W/kg**



0 dB = 0.0541 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, GSM 850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 1.022 \text{ S/m}$ ;  $\epsilon_r = 54.278$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-07; Ambient Temp: 20.5; Tissue Temp: 20.7

## **1cm space from Body, Rear, GSM850 Ch. 251, Ant Internal**

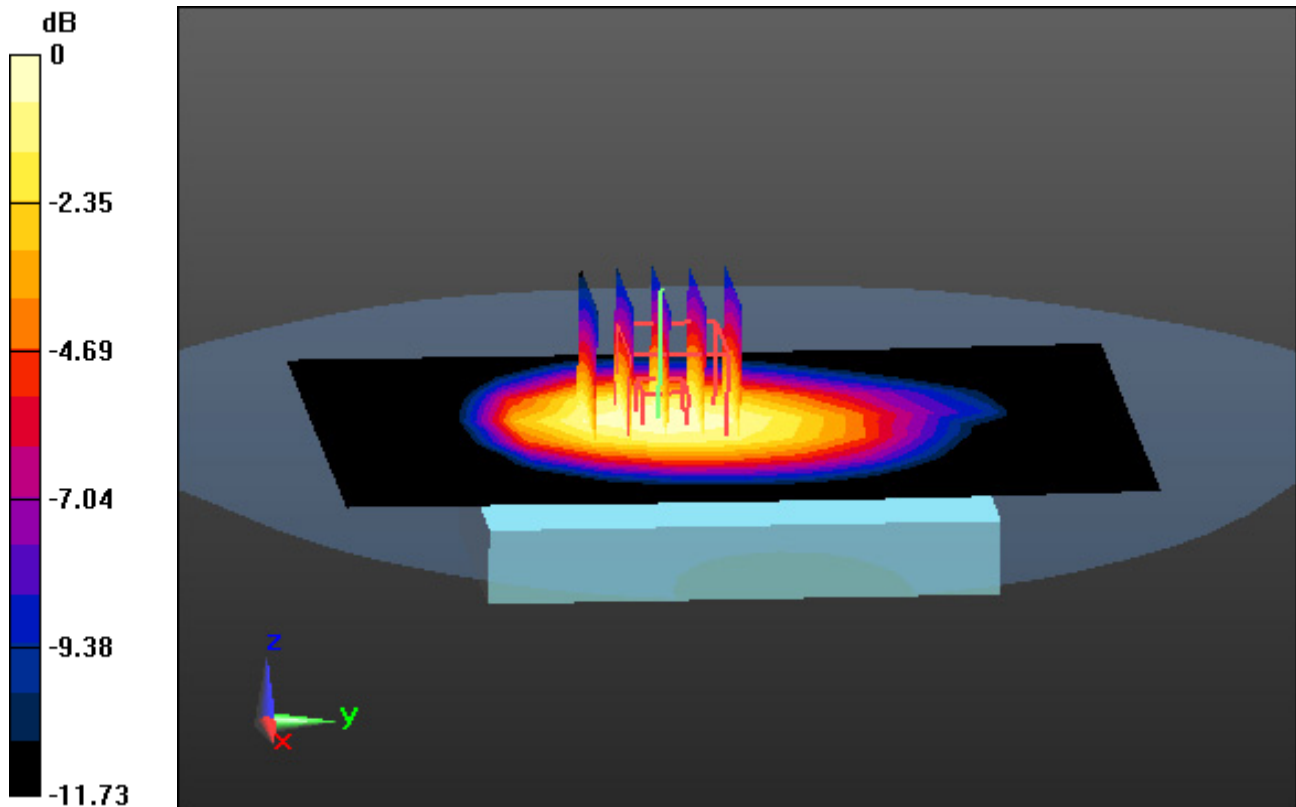
**Area Scan (8x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.962 W/kg; SAR(10 g) = 0.659 W/kg



0 dB = 1.10 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, GSM 850\_12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 1.022$  S/m;  $\epsilon_r = 54.278$ ;  $\rho = 1000$  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: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-07; Ambient Temp: 20.5; Tissue Temp: 20.7

**1cm space from Body, Rear, GSM850 GPRS 4Tx Ch. 251, Ant Internal**

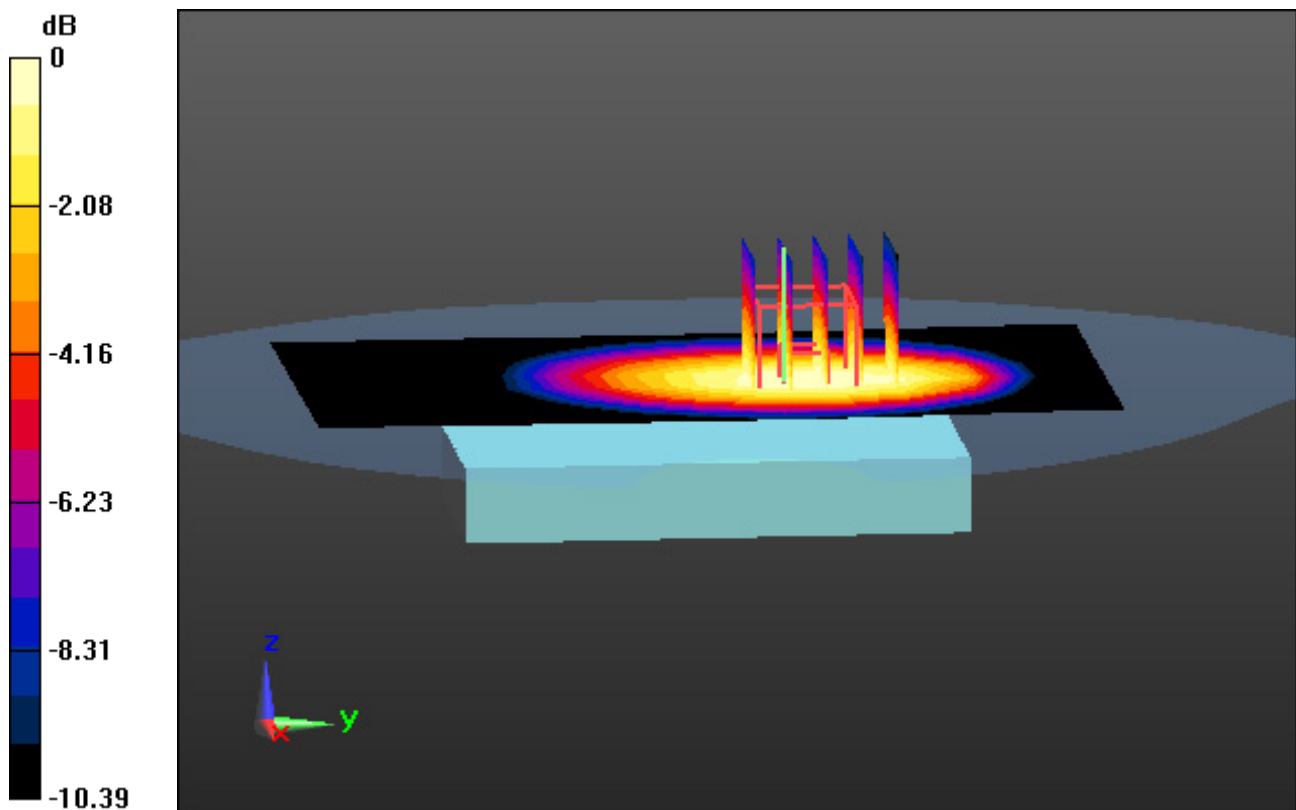
**Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.750 W/kg**



0 dB = 1.16 W/kg

## DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.541$  S/m;  $\epsilon_r = 52.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.68, 7.68, 7.68); Calibrated: 2018-05-31; Electronics: DAE4 Sn1391  
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: 2019-01-08; Ambient Temp: 20.6; Tissue Temp: 21.0

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

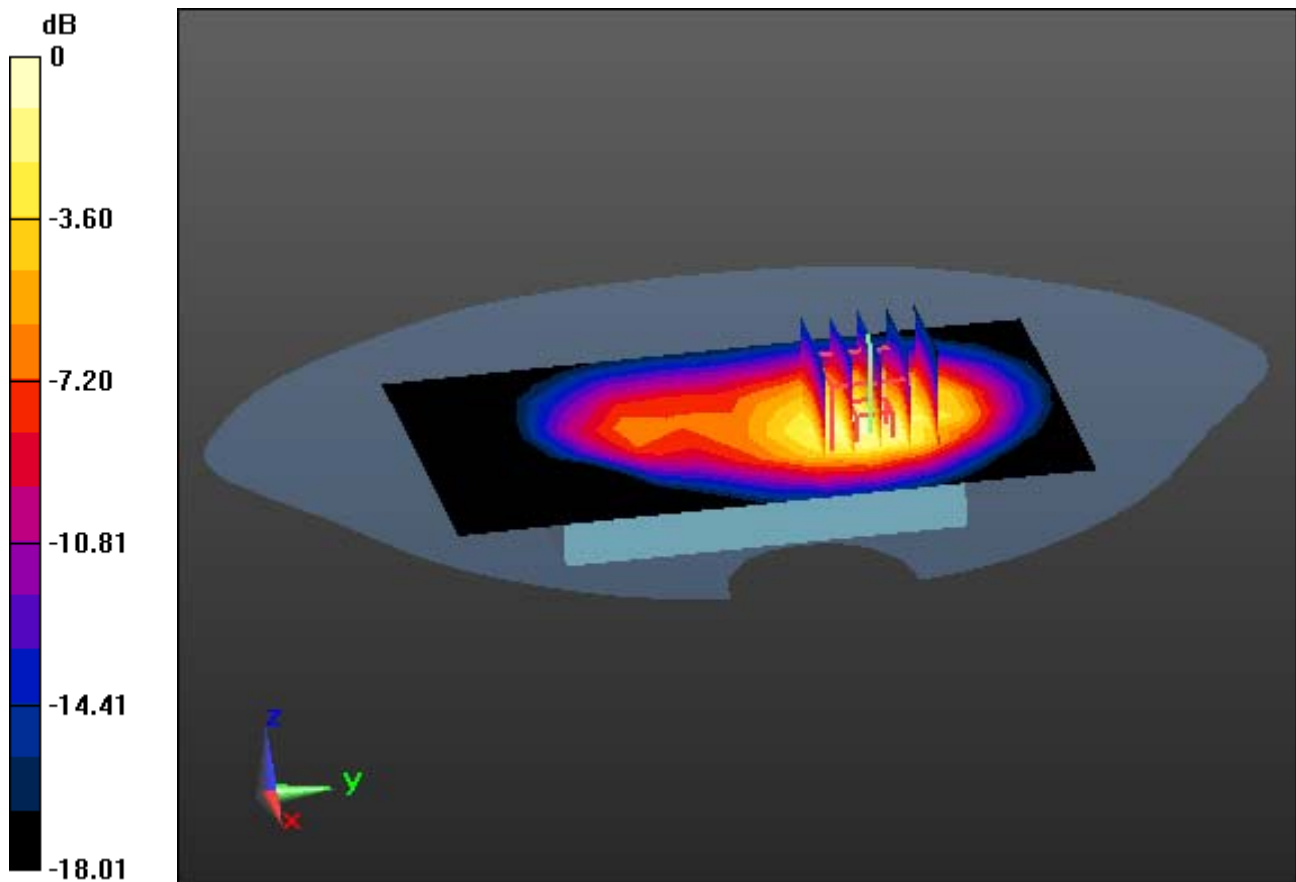
**Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.923 W/kg

**SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.284 W/kg**



0 dB = 0.721 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.541$  S/m;  $\epsilon_r = 52.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.68, 7.68, 7.68); Calibrated: 2018-05-31; Electronics: DAE4 Sn1391  
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: 2019-01-08; Ambient Temp: 20.6; Tissue Temp: 21.0

**1 cm space from Body, Rear, PCS1900 GPRS 4 Tx, Ch. 661, Ant Internal**

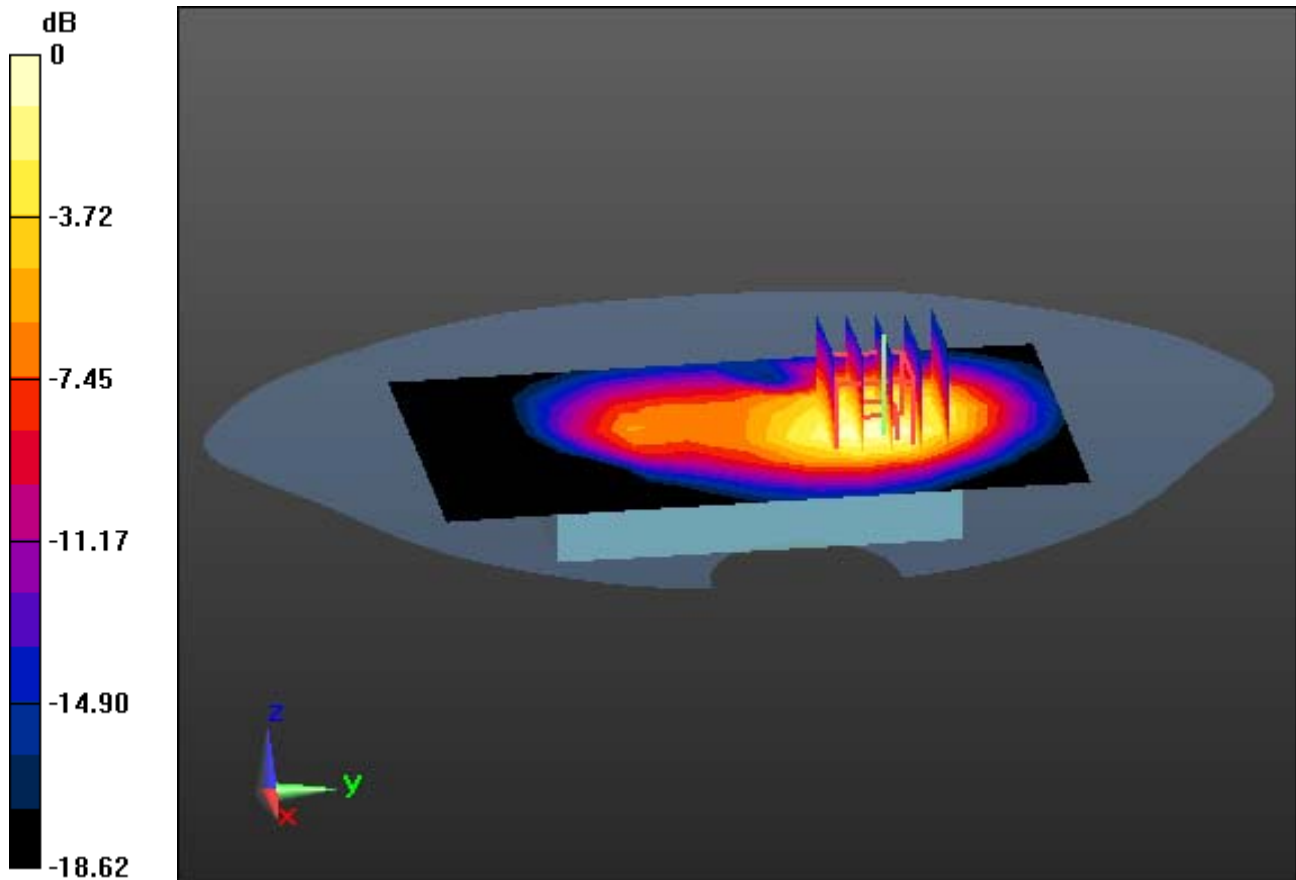
**Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.327 W/kg**



# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1.007$  S/m;  $\epsilon_r = 54.358$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-09; Ambient Temp: 20.3; Tissue Temp: 20.5

**1 cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal**

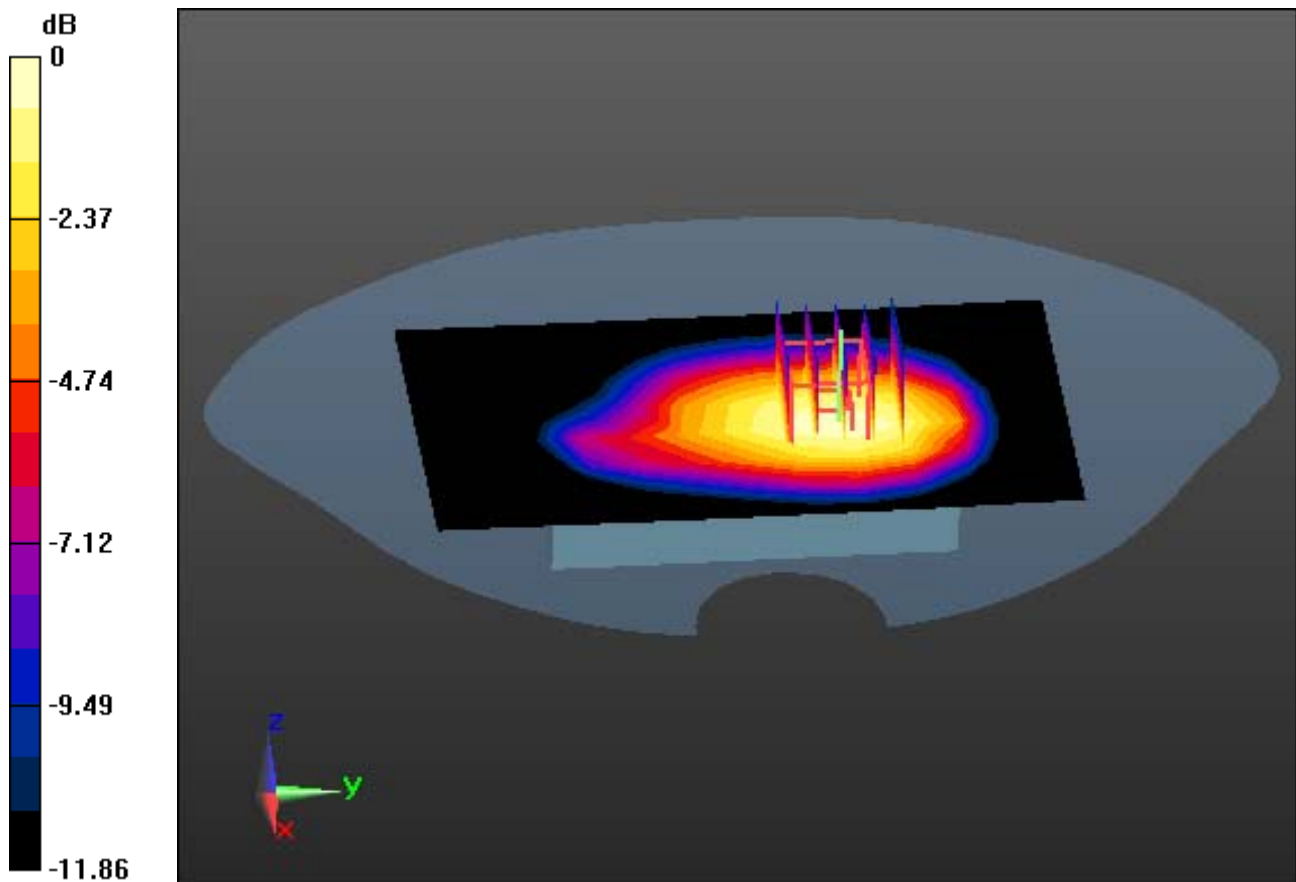
**Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.972 W/kg

**SAR(1 g) = 0.686 W/kg; SAR(10 g) = 0.470 W/kg**



0 dB = 0.785 W/kg

# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, LTE Band 17(FCC) (0); Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 710 \text{ MHz}$ ;  $\sigma = 0.929 \text{ S/m}$ ;  $\epsilon_r = 57.701$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 2018-03-21; Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (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: 2019-01-10 Ambient Temp: 20.3; Tissue Temp: 20.9

**1 cm space from Body, Rear, LTE Band 17 Ch. 23790, Ant Internal**

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

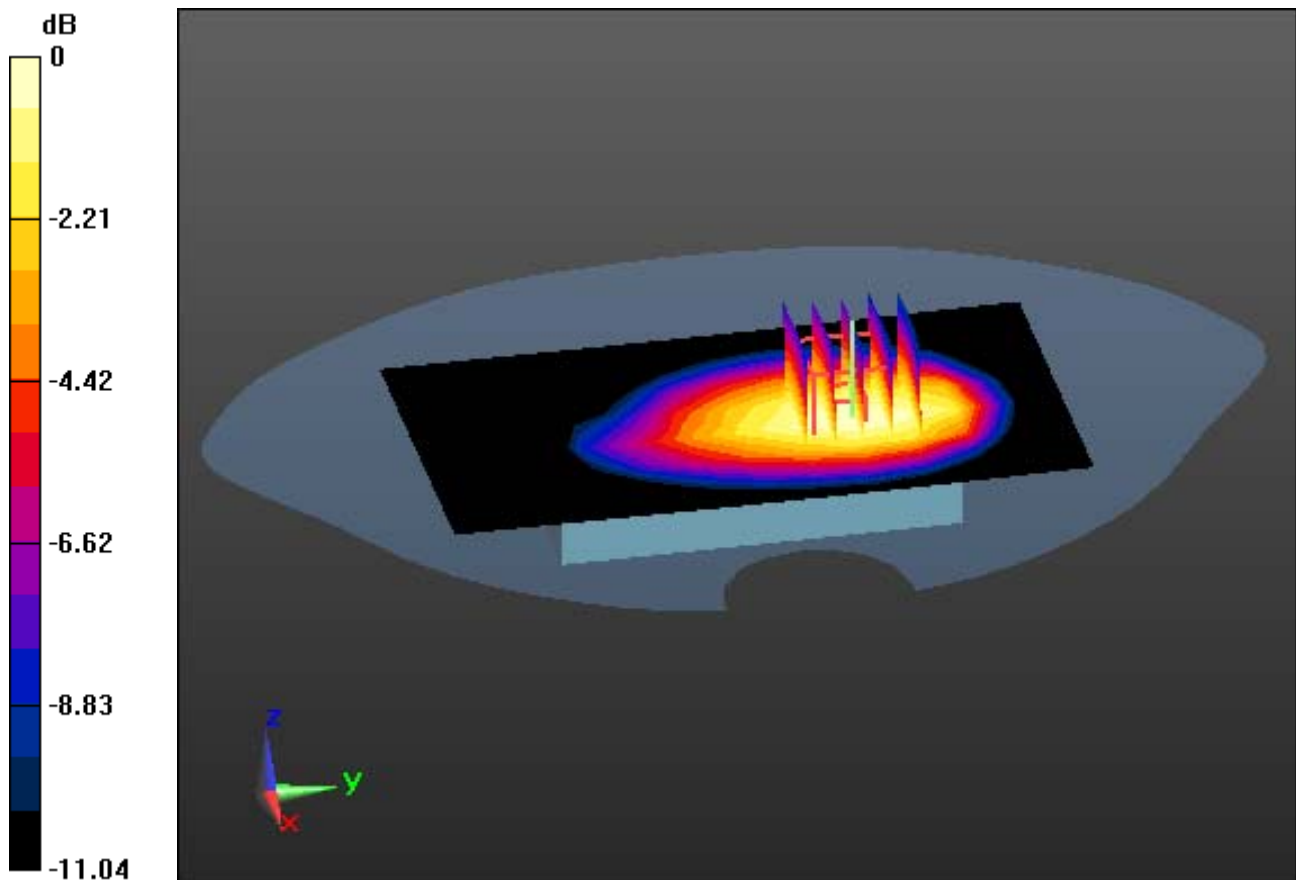
**Area Scan (8x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.582 W/kg

**SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.296 W/kg**





# DT&C Co., Ltd.

**DUT: JA53; Type: Folder**

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.898$  S/m;  $\epsilon_r = 51.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/25/2018; 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: 2019-01-15; Ambient Temp: 20.9; Tissue Temp: 21.0

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

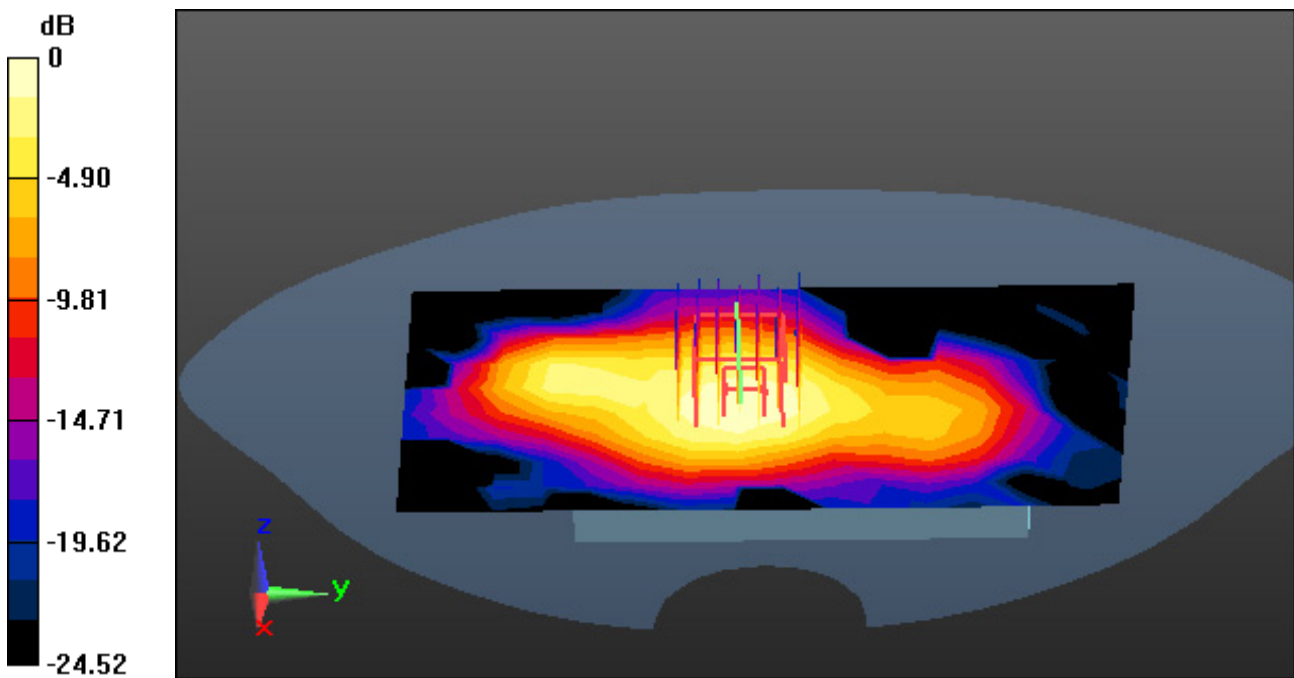
**Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.117 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.037 W/kg



0 dB = 0.0907 W/kg