

## **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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 40.806$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; 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: 2019-09-04; Ambient Temp: 21.2; Tissue Temp: 21.4

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

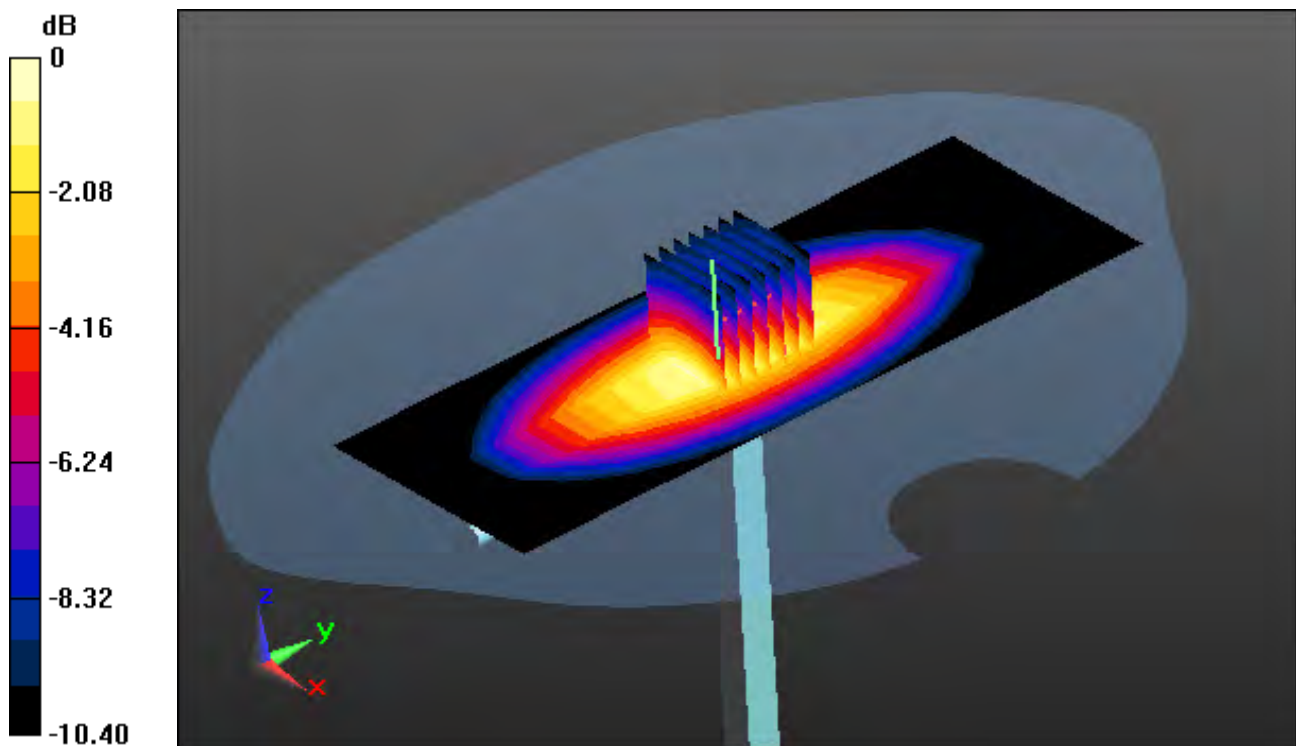
**Area Scan (6x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.33 W/kg

**SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.48 W/kg**



0 dB = 2.83 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 41.608$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; 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: 2019-09-06; Ambient Temp: 21.0; Tissue Temp: 20.4

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

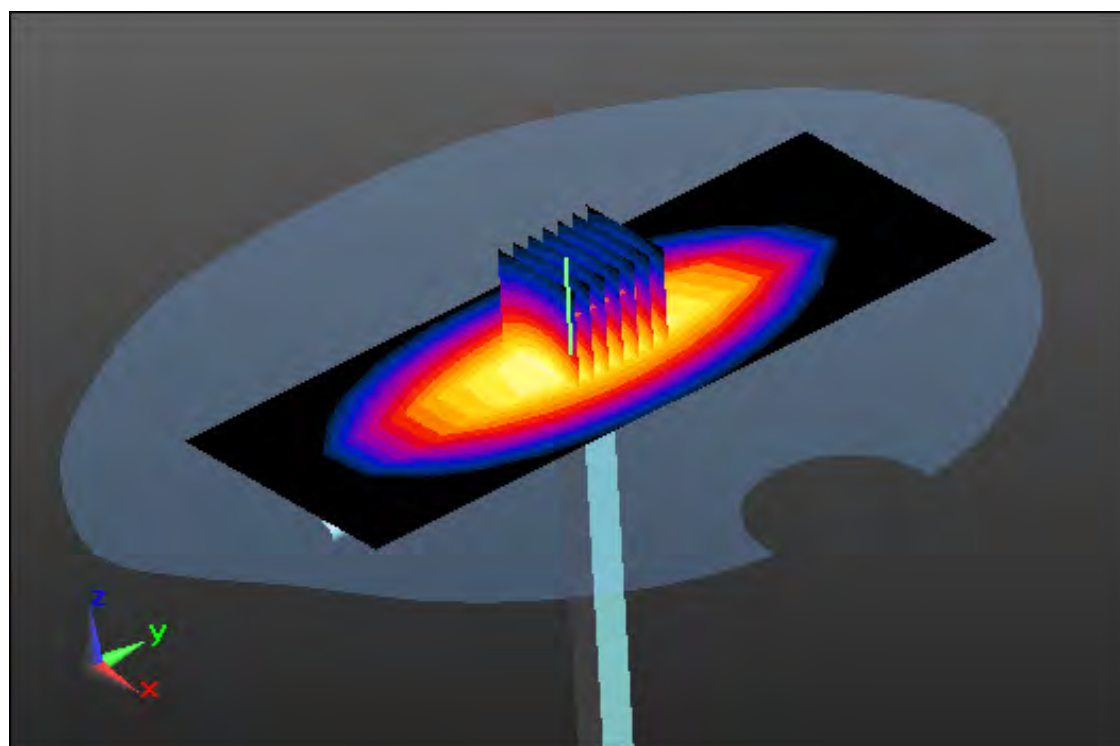
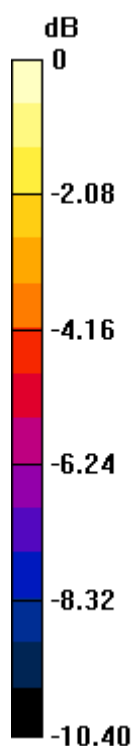
**Area Scan (6x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.28 W/kg

**SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.46 W/kg**



0 dB = 2.79 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;  $\sigma = 0.895$  S/m;  $\epsilon_r = 42.687$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; 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: 2019-09-09; Ambient Temp: 21.3; Tissue Temp: 21.4

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

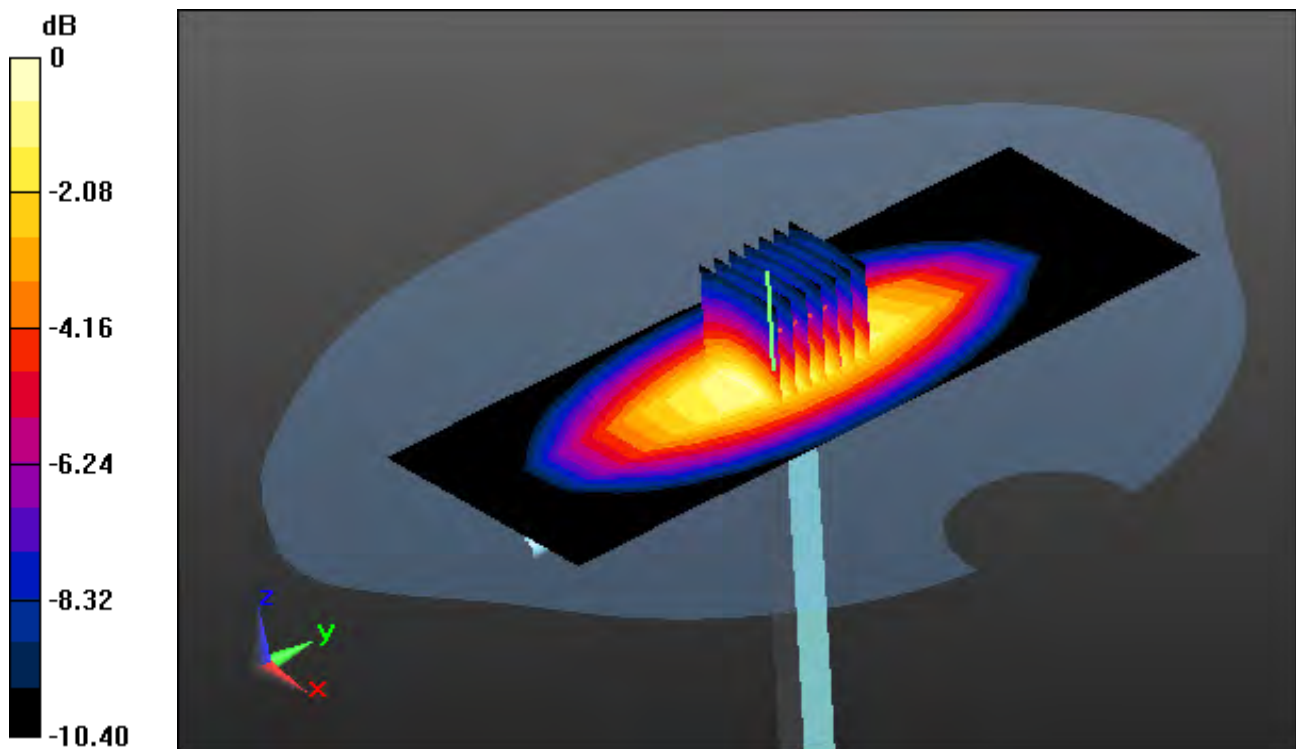
**Area Scan (6x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.23 W/kg

**SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.43 W/kg**



0 dB = 2.74 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.917 \text{ S/m}$ ;  $\epsilon_r = 42.827$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; 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: 2019-09-02; Ambient Temp: 21.3; Tissue Temp: 21.0

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

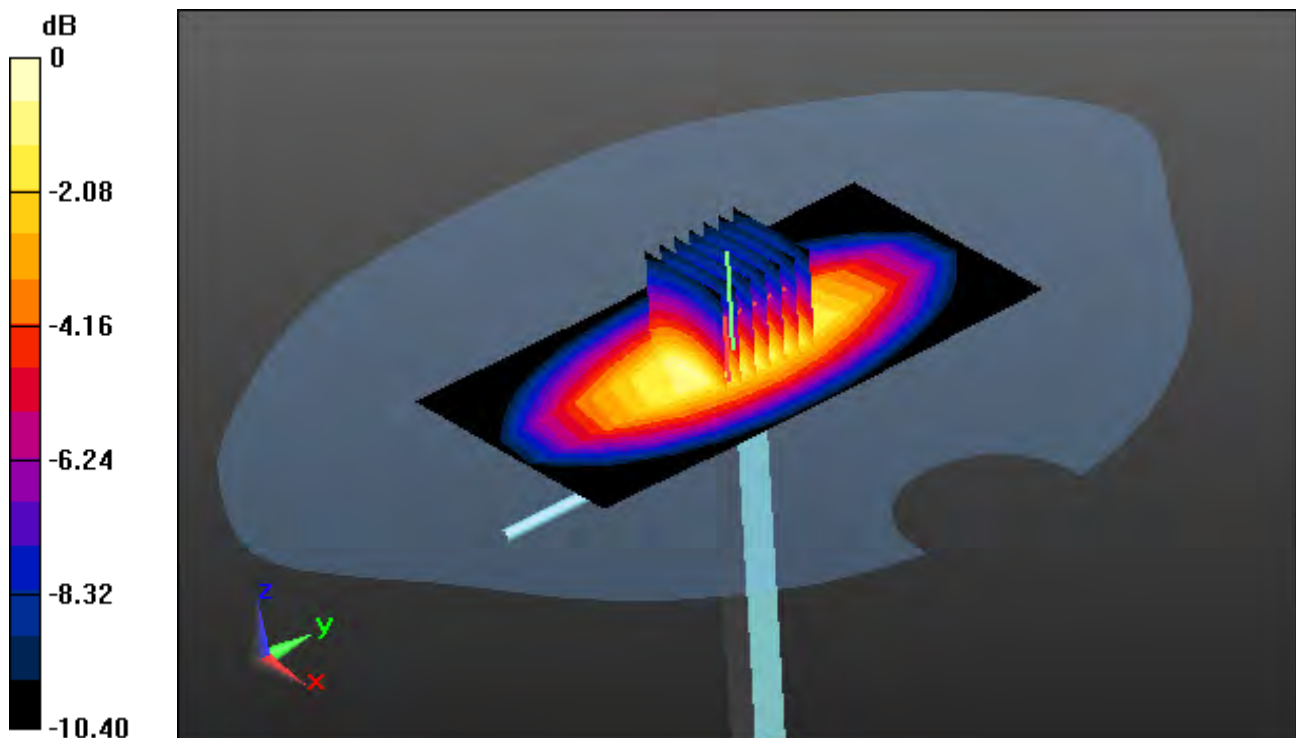
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.71 W/kg

**SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.6 W/kg**



0 dB = 2.99 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.892 \text{ S/m}$ ;  $\epsilon_r = 41.525$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; 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: 2019-09-03; Ambient Temp: 21.1; Tissue Temp: 21.3

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

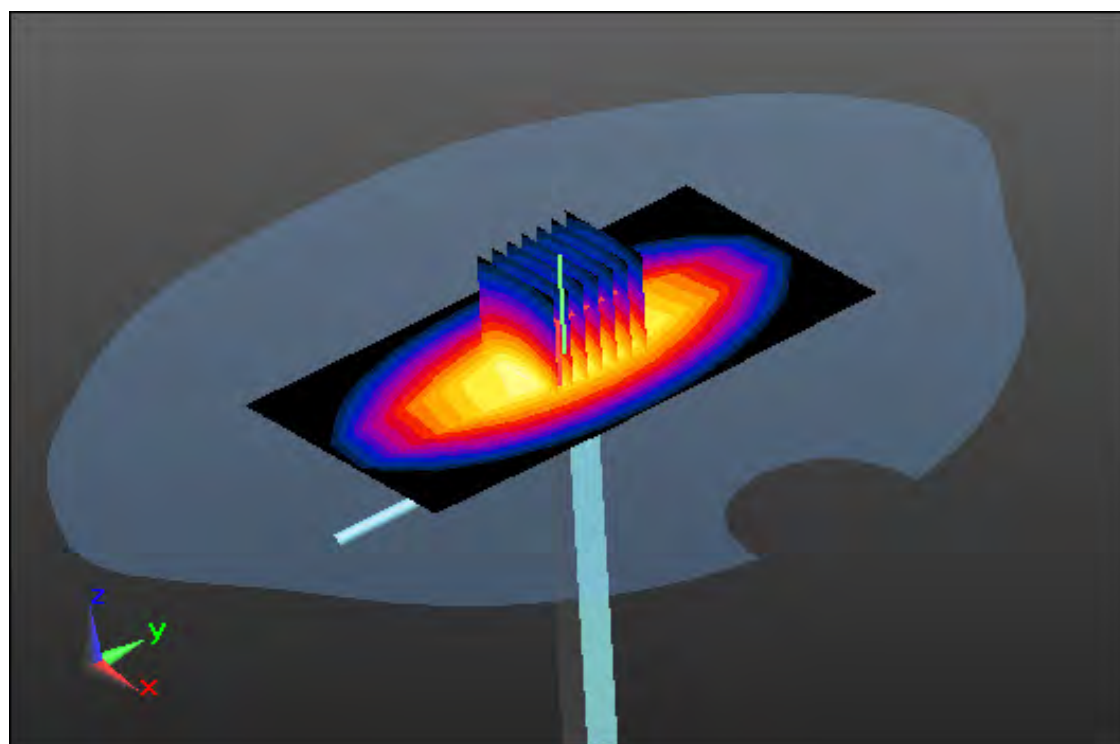
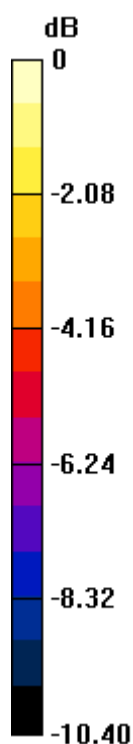
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.61 W/kg

**SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.56 W/kg**



0 dB = 2.91 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.879 \text{ S/m}$ ;  $\epsilon_r = 40.738$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; 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: 2019-09-05; Ambient Temp: 21.4; Tissue Temp: 21.3

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

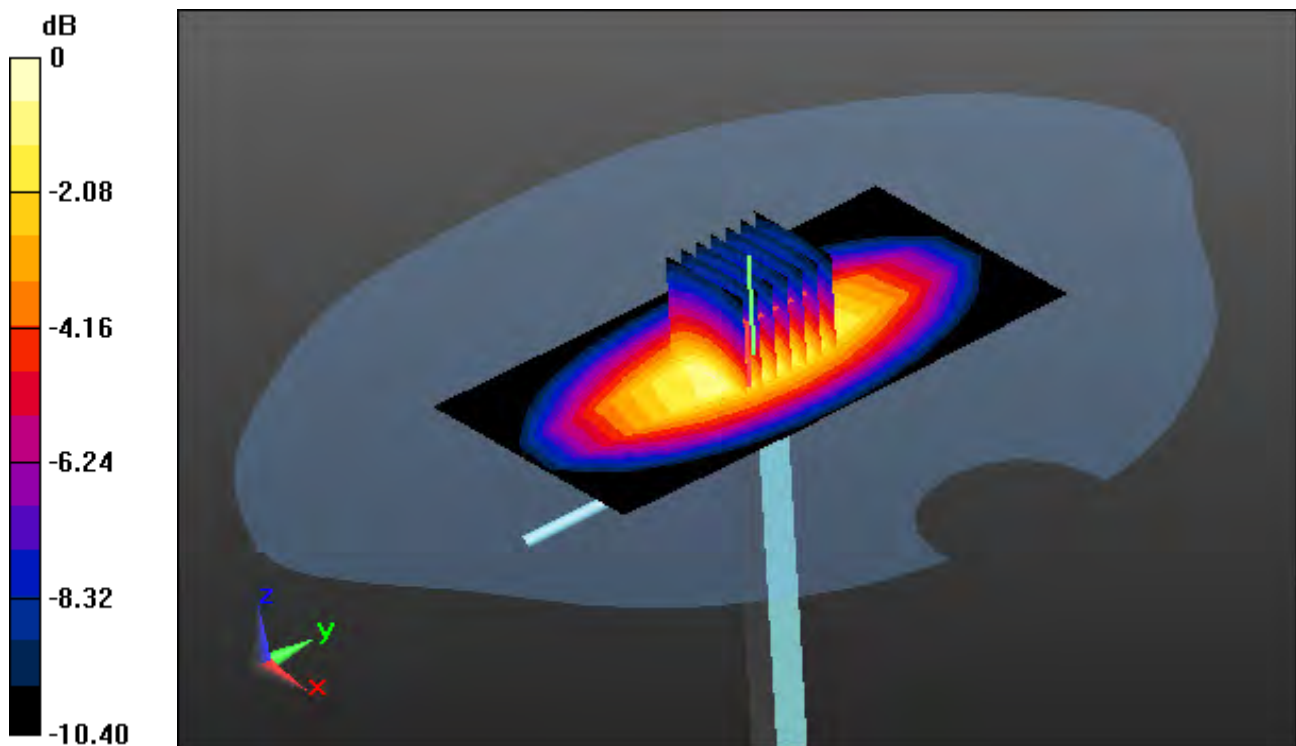
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.56 W/kg

**SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.54 W/kg**



0 dB = 2.87 W/kg



## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: SN2d047**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 39.696$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.96, 8.96, 8.96) @ 1800 MHz; Calibrated: 2018-11-22  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-02; Ambient Temp: 21.7; Tissue Temp: 21.5

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

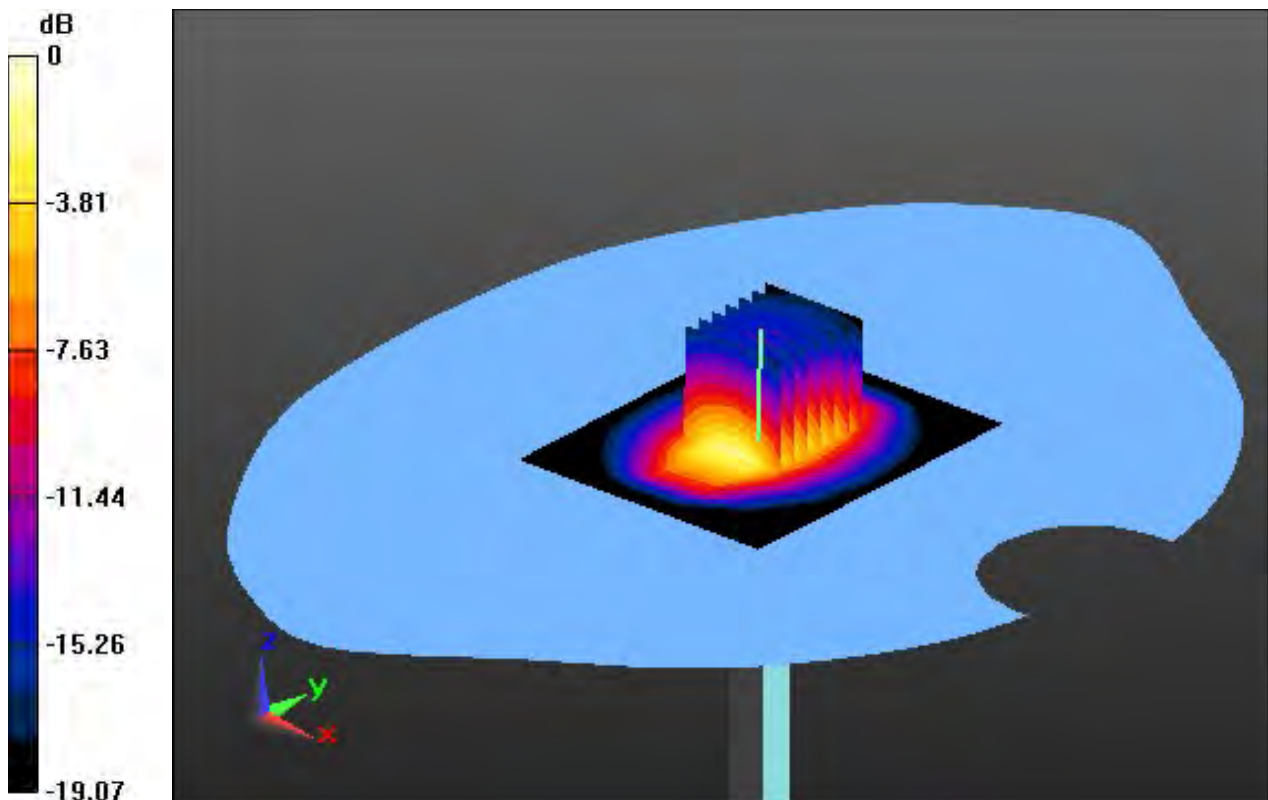
**Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.20 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.95 W/kg



0 dB = 5.54 W/kg



## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN5d029**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 39.265$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1900 MHz; Calibrated: 2018-11-22  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

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

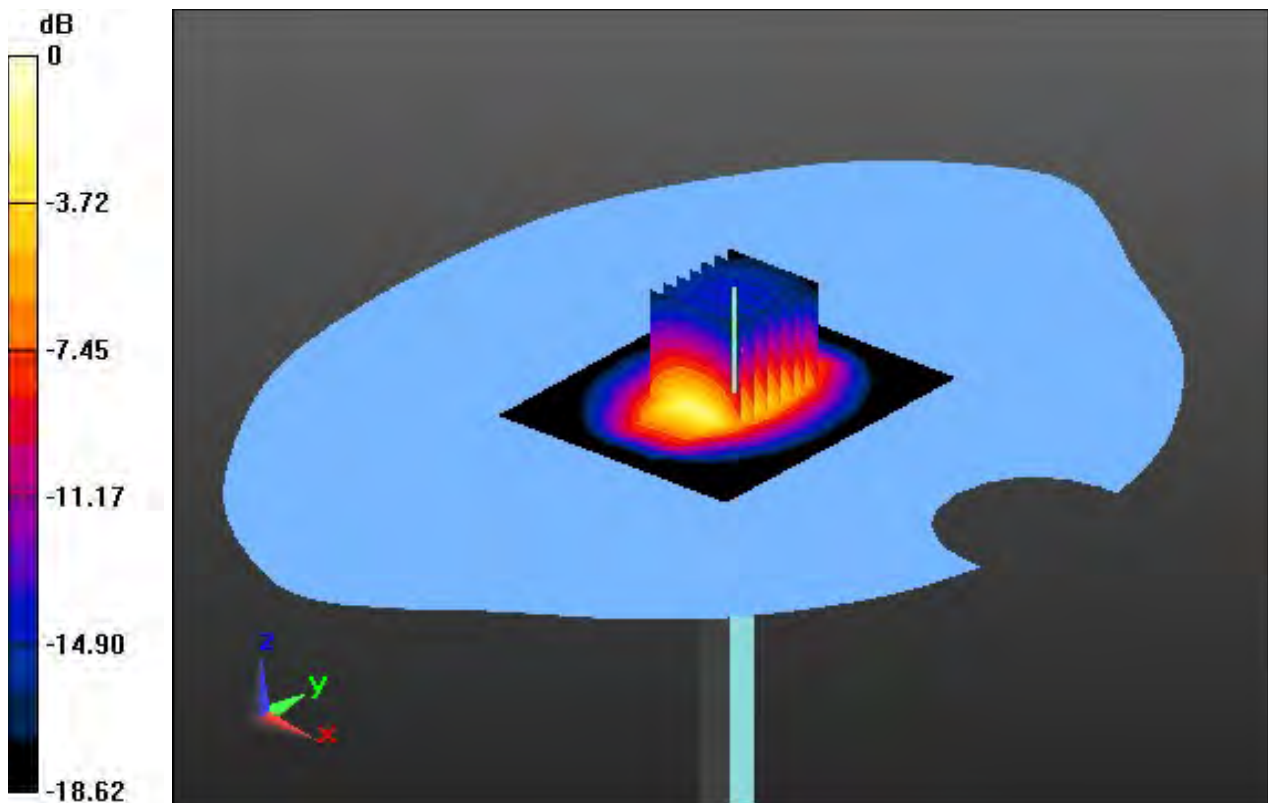
**Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 7.73 W/kg

SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.09 W/kg



## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN5d029**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.401$  S/m;  $\epsilon_r = 39.956$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1900 MHz; Calibrated: 2018-11-22  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-04; Ambient Temp: 21.8; Tissue Temp: 21.6

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

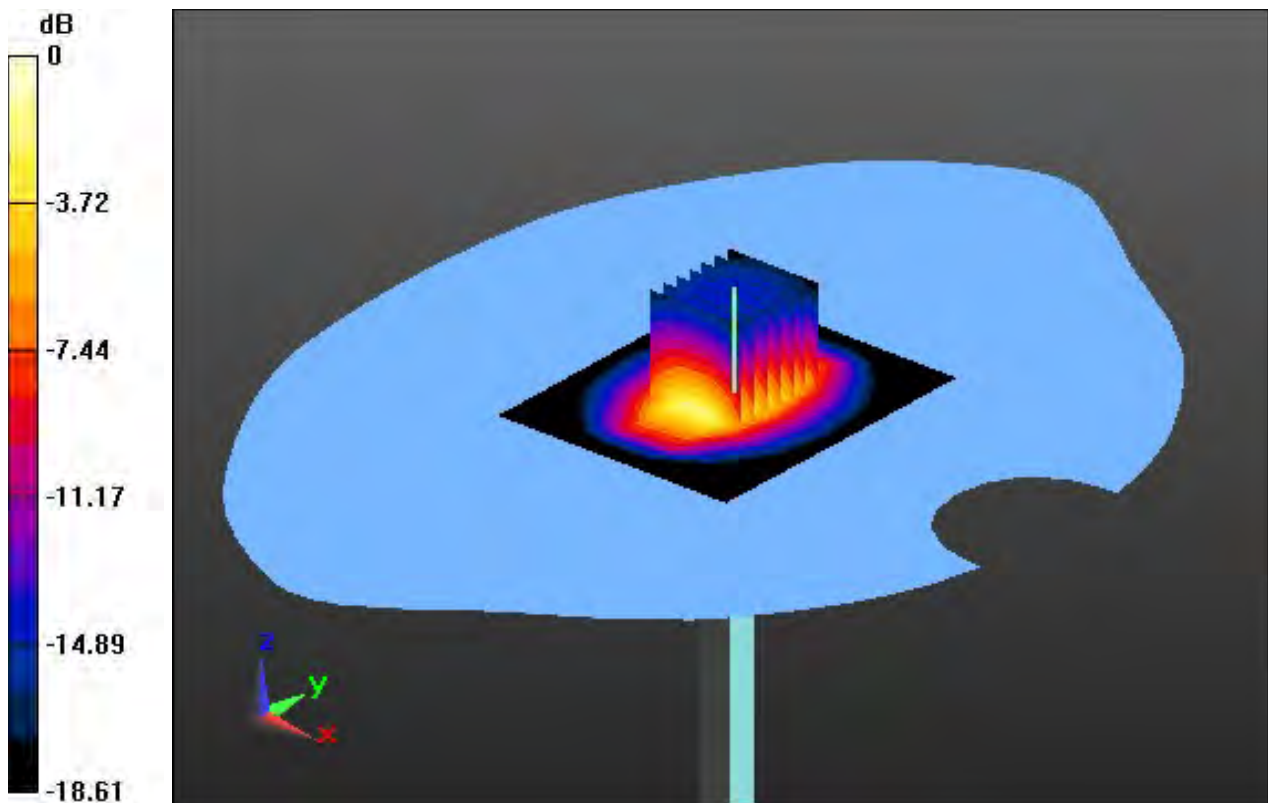
**Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.02 W/kg



0 dB = 5.70 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;  $\sigma = 1.758$  S/m;  $\epsilon_r = 38.643$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-08-22; Ambient Temp: 21.5; Tissue Temp: 21.7

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

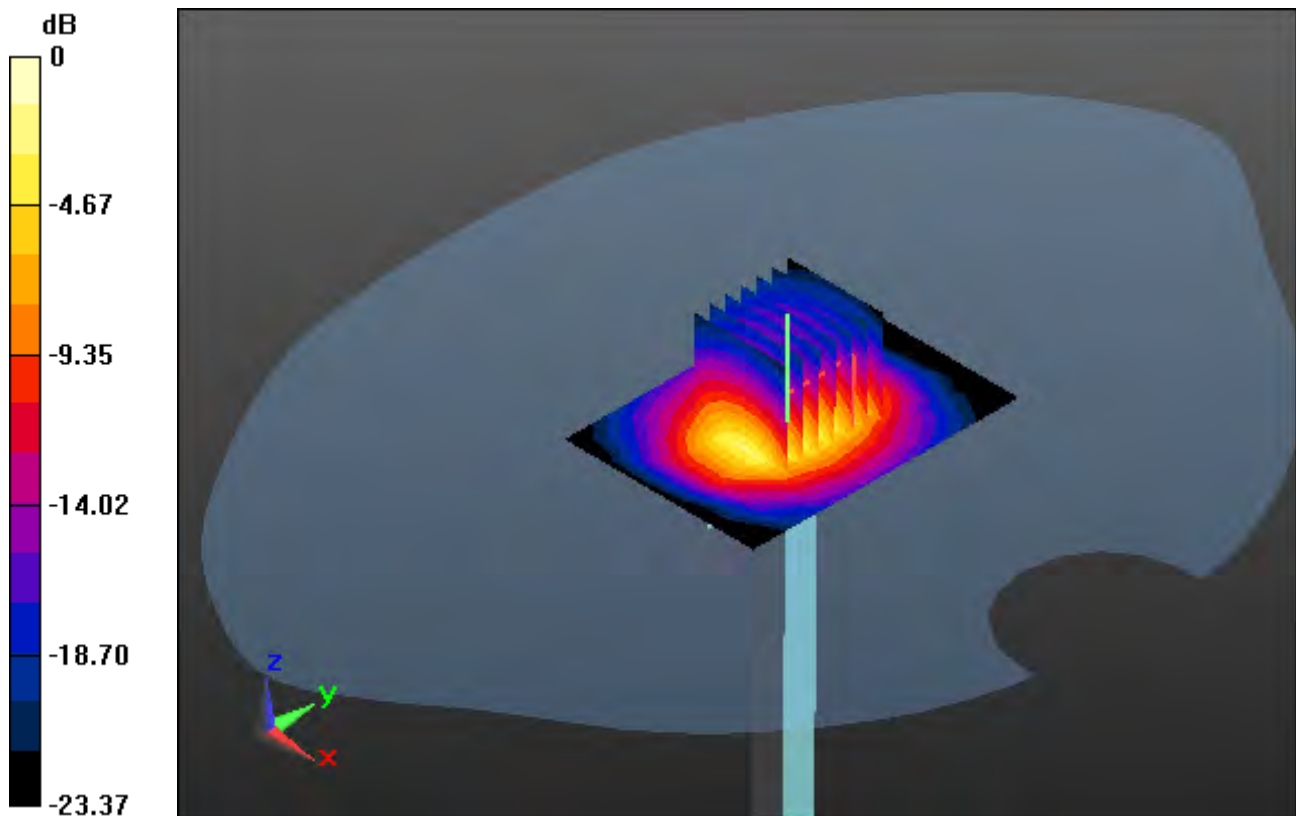
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 10.4 W/kg

**SAR(1 g) = 4.93 W/kg; SAR(10 g) = 2.29 W/kg**



0 dB = 7.56 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;  $\sigma = 1.854$  S/m;  $\epsilon_r = 38.344$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-08-23; Ambient Temp: 20.9; Tissue Temp: 21.0

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

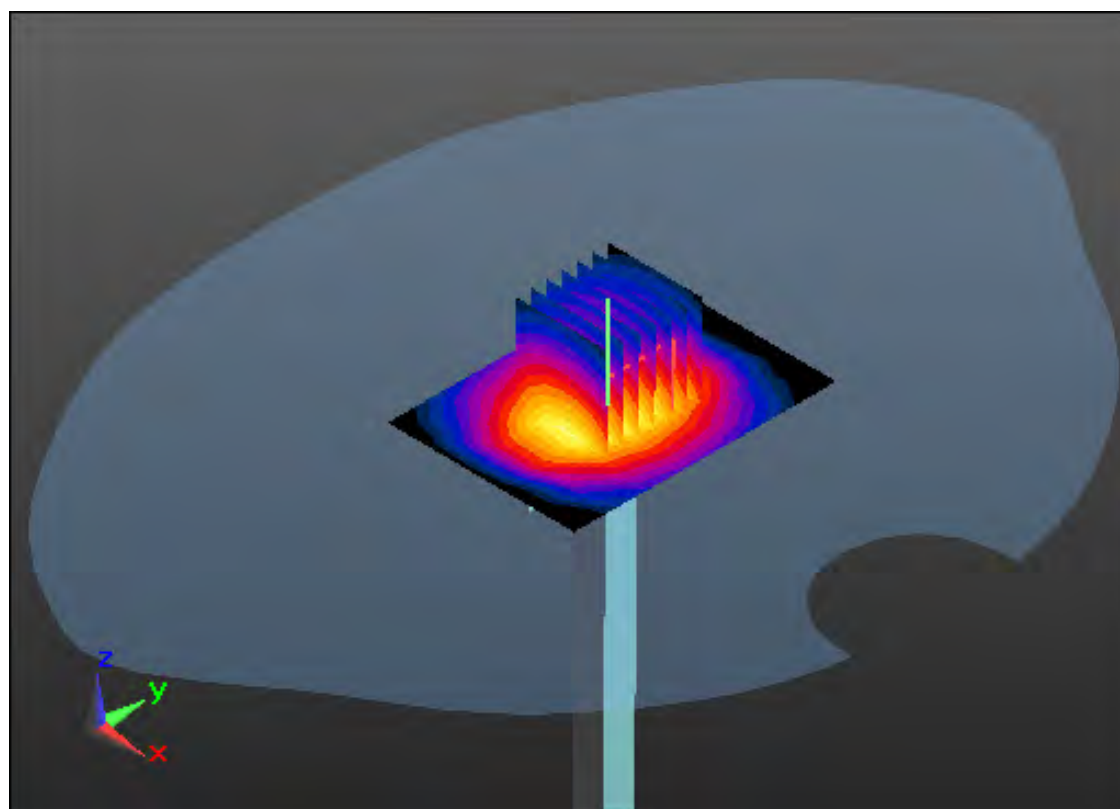
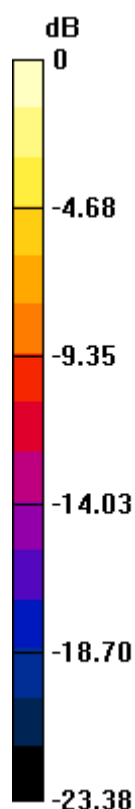
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 11.0 W/kg

**SAR(1 g) = 5.2 W/kg; SAR(10 g) = 2.37 W/kg**



0 dB = 7.98 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;  $\sigma = 1.946$  S/m;  $\epsilon_r = 38.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2018-11-22  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-07; Ambient Temp: 21.8; Tissue Temp: 21.6

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

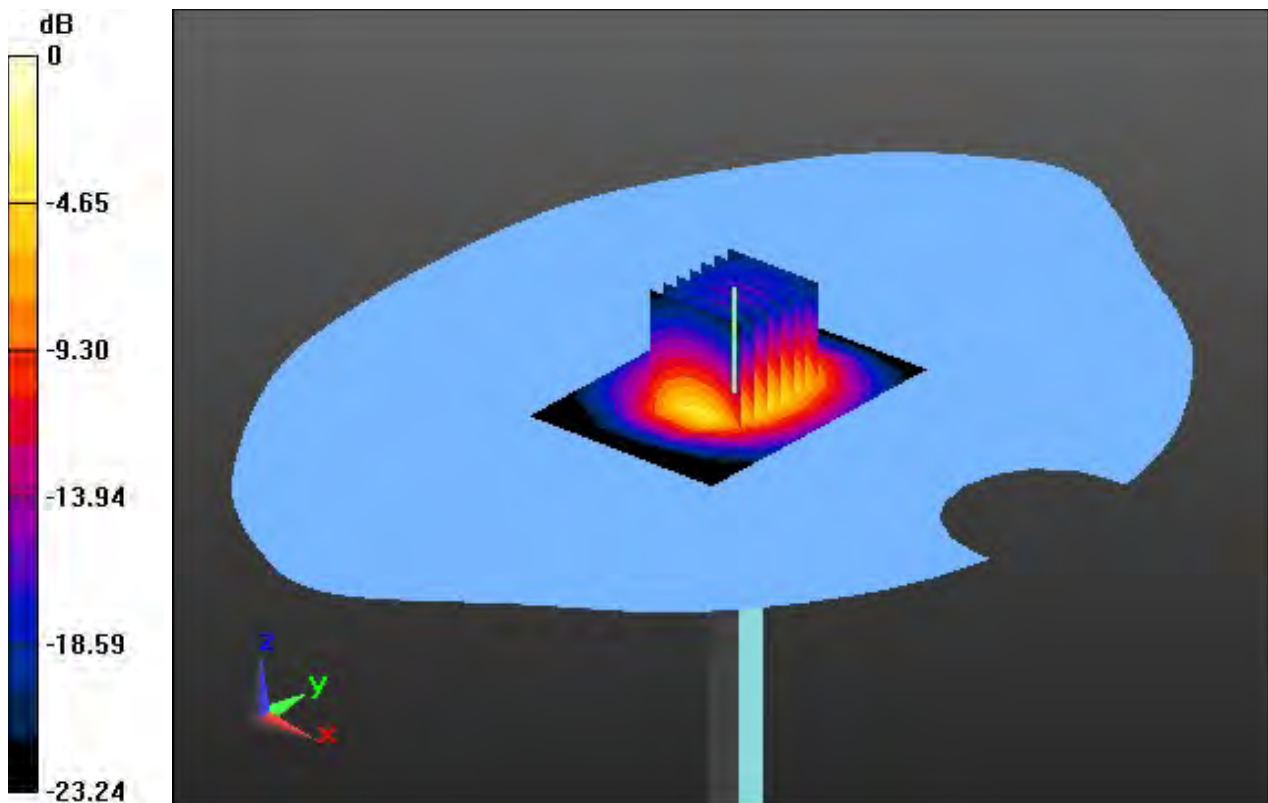
**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.63 W/kg



0 dB = 8.74 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;  $\sigma = 1.946$  S/m;  $\epsilon_r = 38.614$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2018-11-22  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-10; Ambient Temp: 21.8; Tissue Temp: 21.7

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

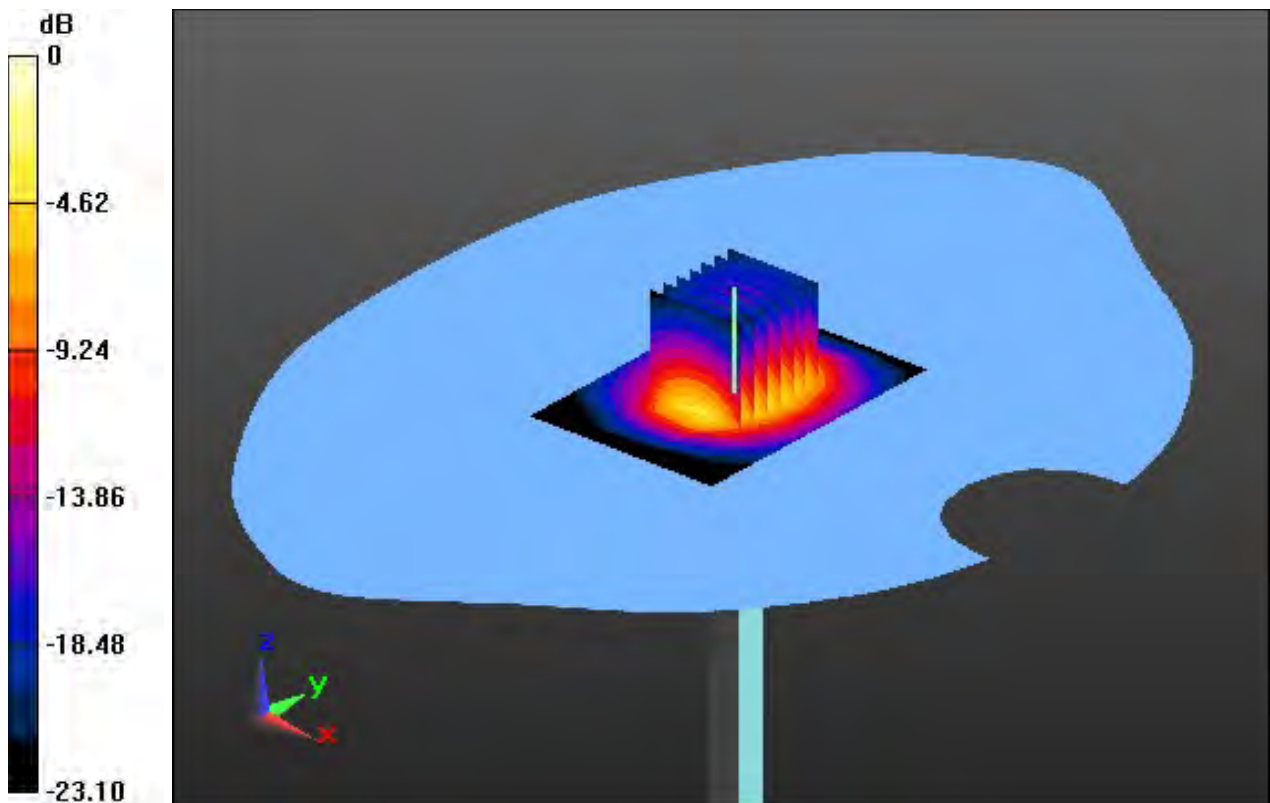
**Area Scan (6x8x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.57 W/kg



0 dB = 8.55 W/kg



## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.748$  S/m;  $\epsilon_r = 34.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(5.14, 5.14, 5.14); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-04; Ambient Temp: 20.9; Tissue Temp: 21.4

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

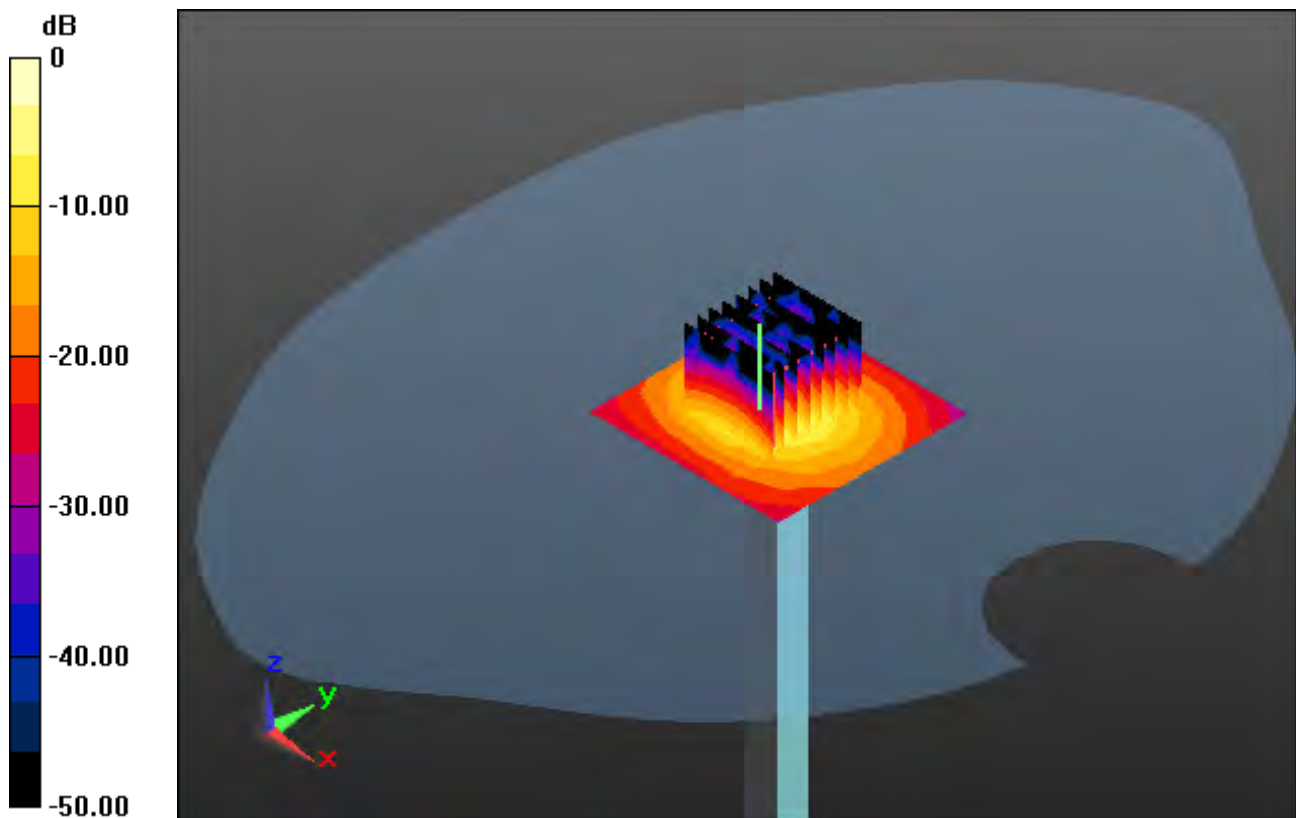
**Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 37.4 W/kg

**SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.21 W/kg**



0 dB = 19.1 W/kg



## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.760$  S/m;  $\epsilon_r = 36.842$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-05; Ambient Temp: 21.3; Tissue Temp: 21.6

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

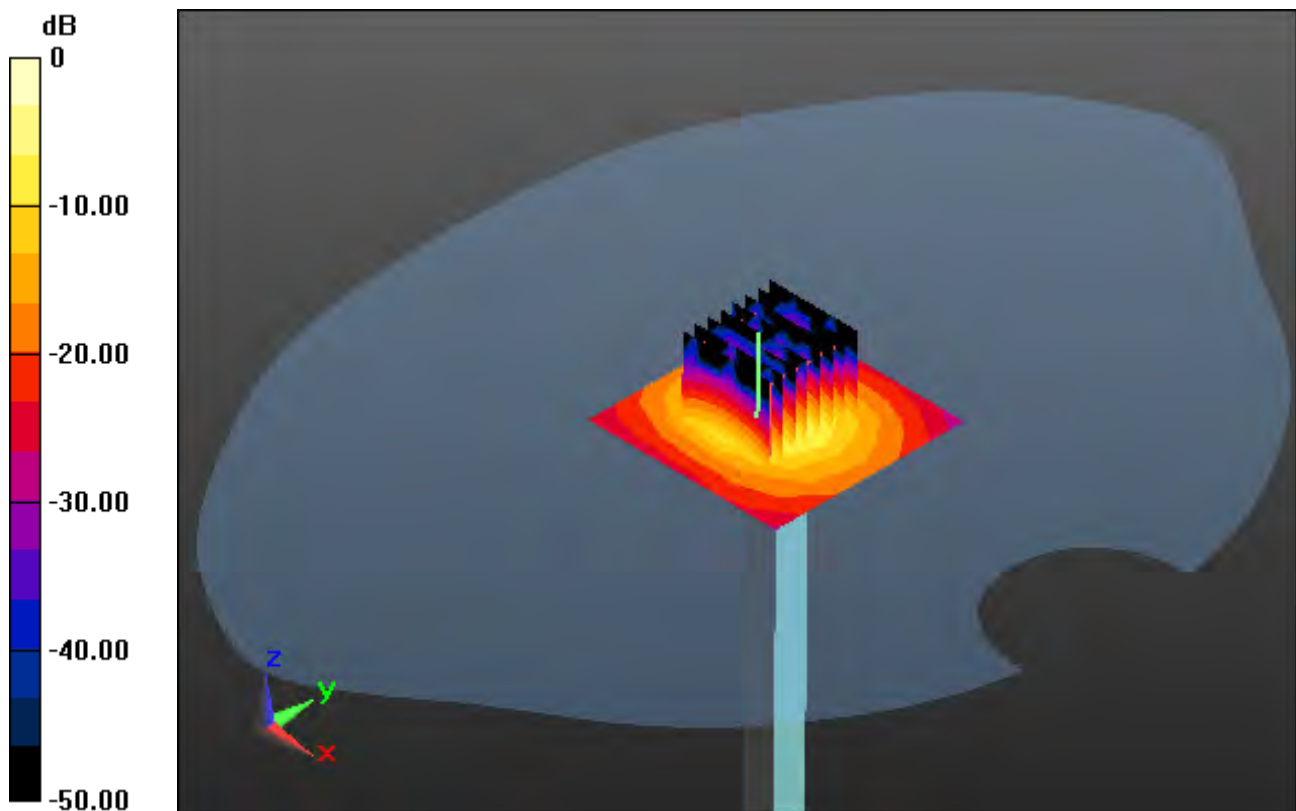
**Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 39.8 W/kg

**SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.28 W/kg**



0 dB = 19.7 W/kg

## DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.928$  S/m;  $\epsilon_r = 35.244$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.89, 4.89, 4.89); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-06; Ambient Temp: 20.9; Tissue Temp: 21.5

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

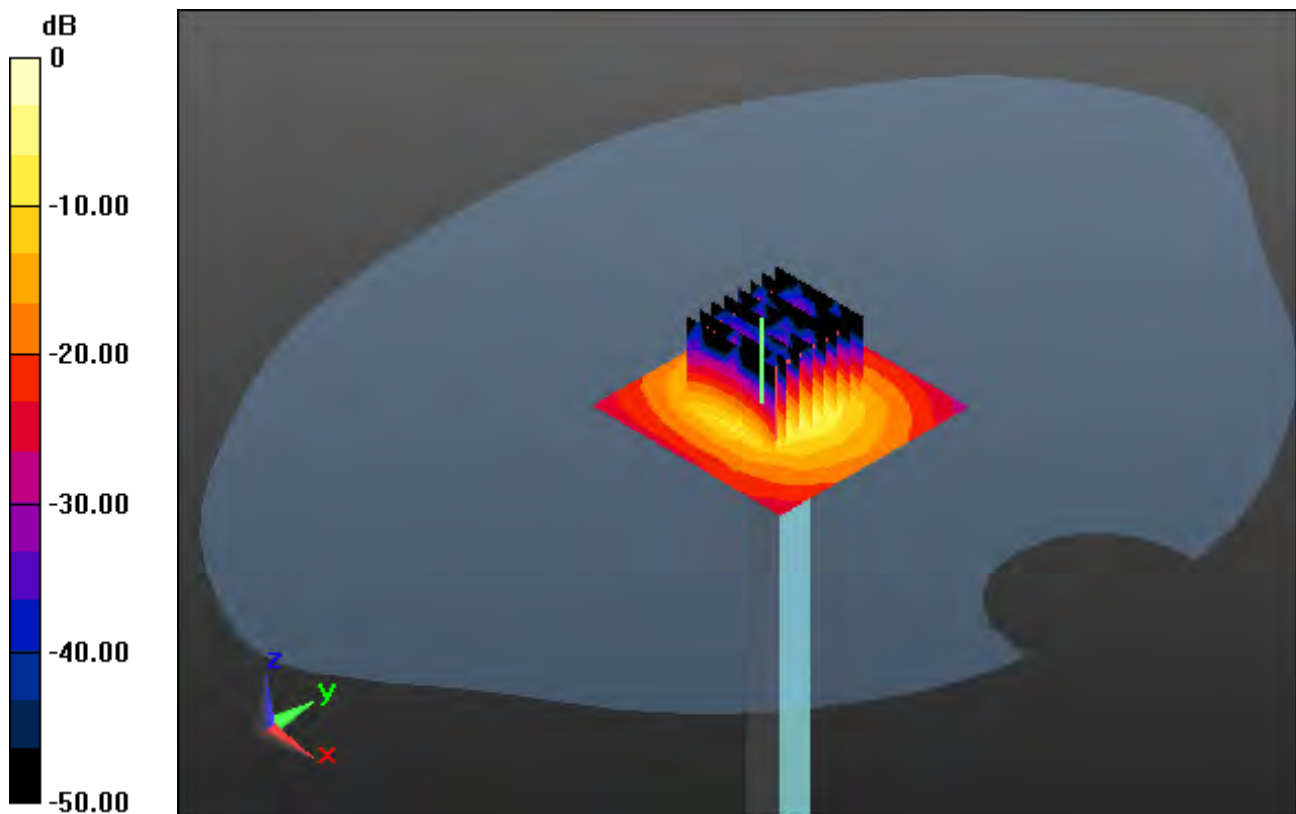
**Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 34.2 W/kg

**SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.29 W/kg**



0 dB = 17.2 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;  $\sigma = 5.049$  S/m;  $\epsilon_r = 35.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-06; Ambient Temp: 20.9; Tissue Temp: 21.5

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

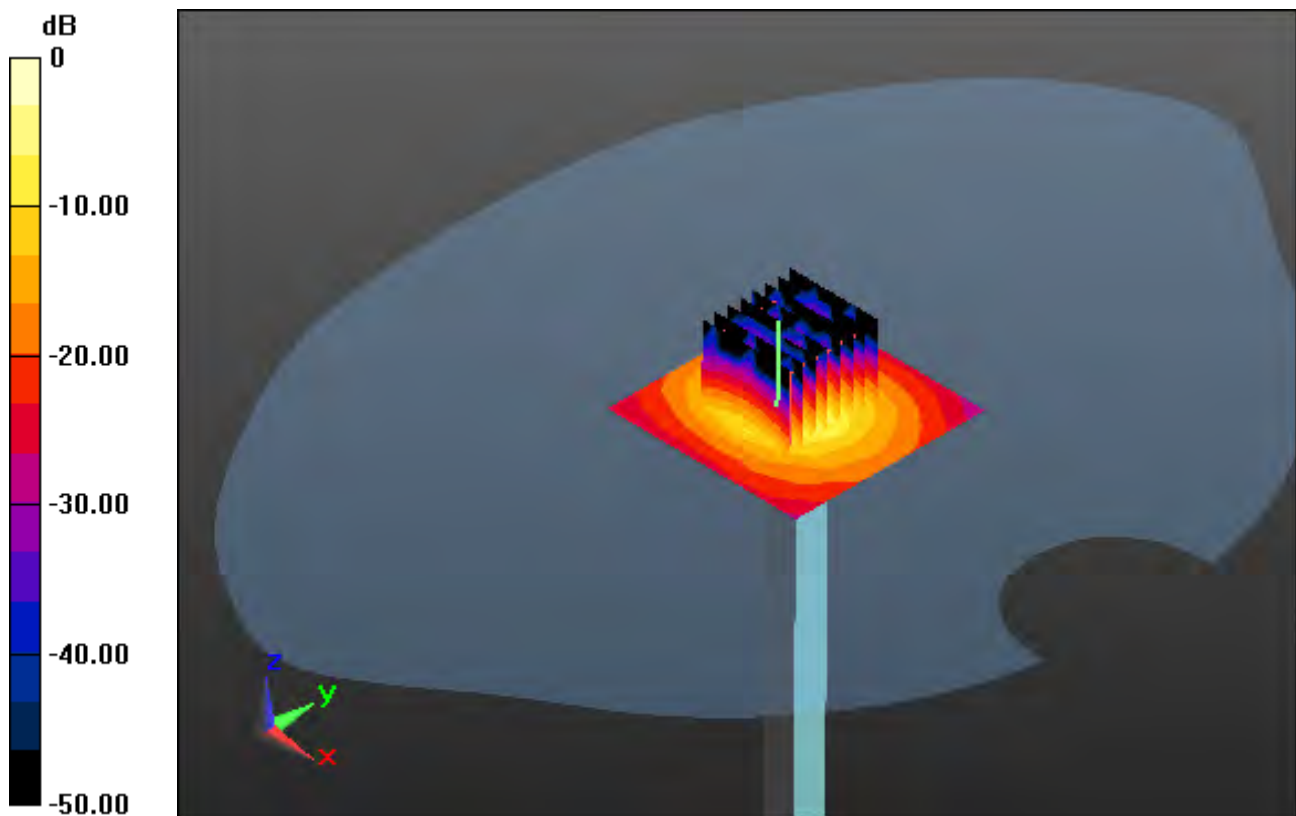
**Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 35.0 W/kg

**SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.3 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:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.204 \text{ S/m}$ ;  $\epsilon_r = 36.44$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-09; Ambient Temp: 21.8; Tissue Temp: 21.6

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

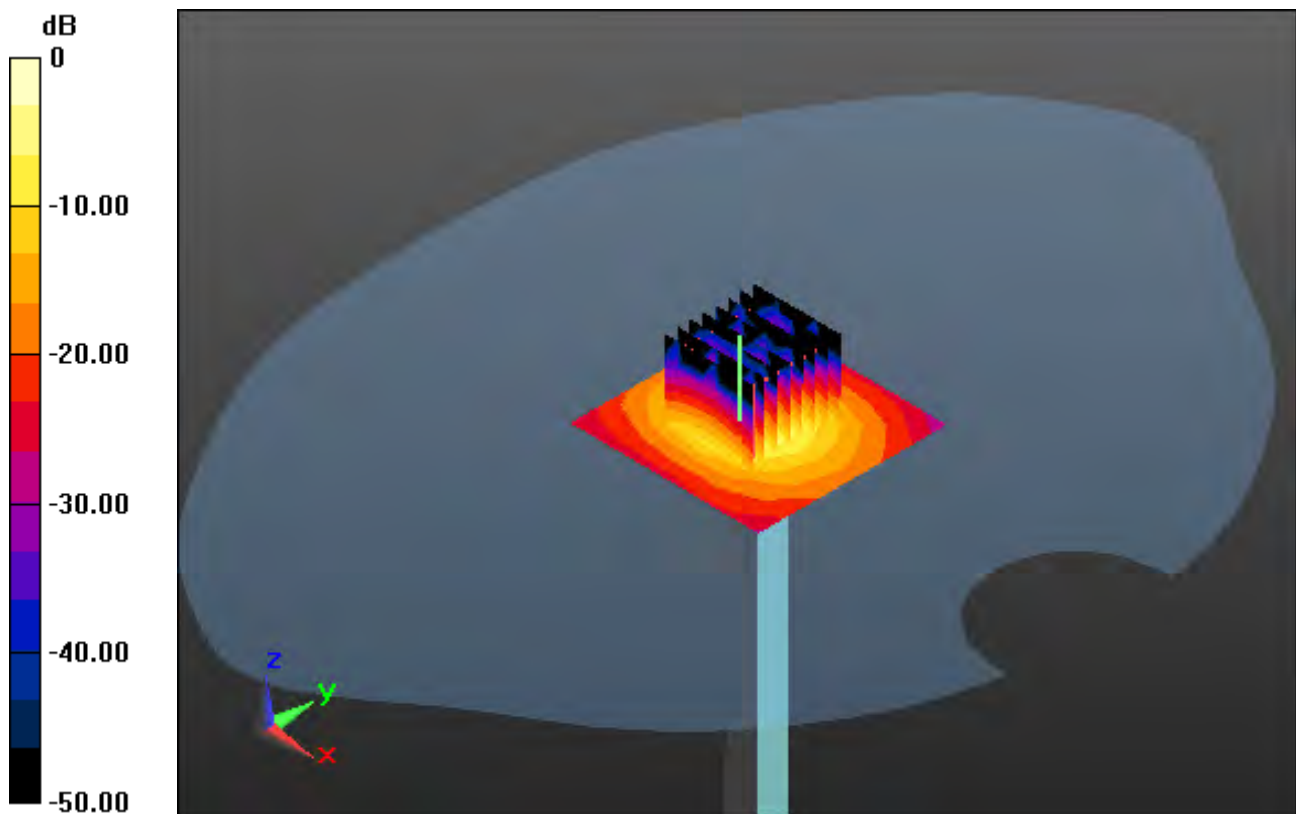
**Area Scan (7x7x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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) = 35.5 W/kg

**SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.33 W/kg**



0 dB = 20.0 W/kg

## DT&C Co., Ltd.

### DUT: PM90G1; Type: PDA

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.918$  S/m;  $\epsilon_r = 42.802$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

#### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; 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: 2019-09-02; Ambient Temp: 21.3; Tissue Temp: 21.0

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

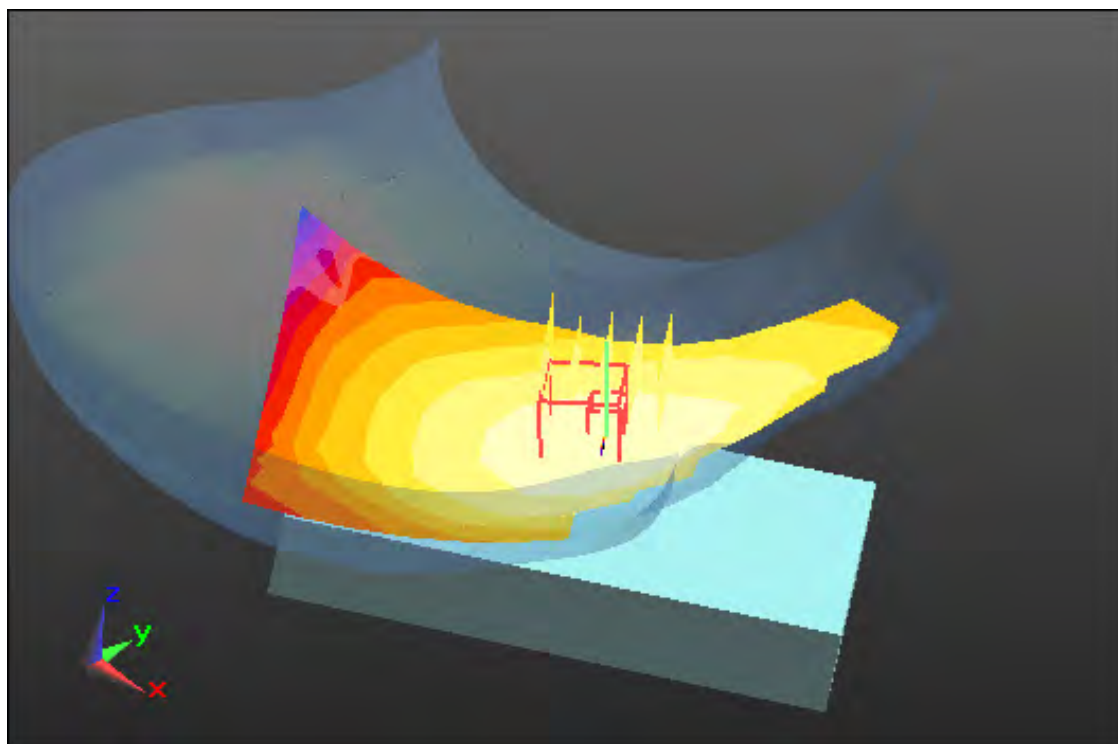
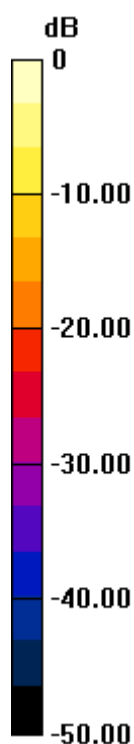
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.181 W/kg**



0 dB = 0.323 W/kg

## DT&C Co., Ltd.

### DUT: PM90G1; Type: PDA

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.918 \text{ S/m}$ ;  $\epsilon_r = 42.802$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

#### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; 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: 2019-09-02; Ambient Temp: 21.3; Tissue Temp: 21.0

### Right Touch, GSM850 GPRS 2Tx Ch. 190, Ant Internal, Standard Battery

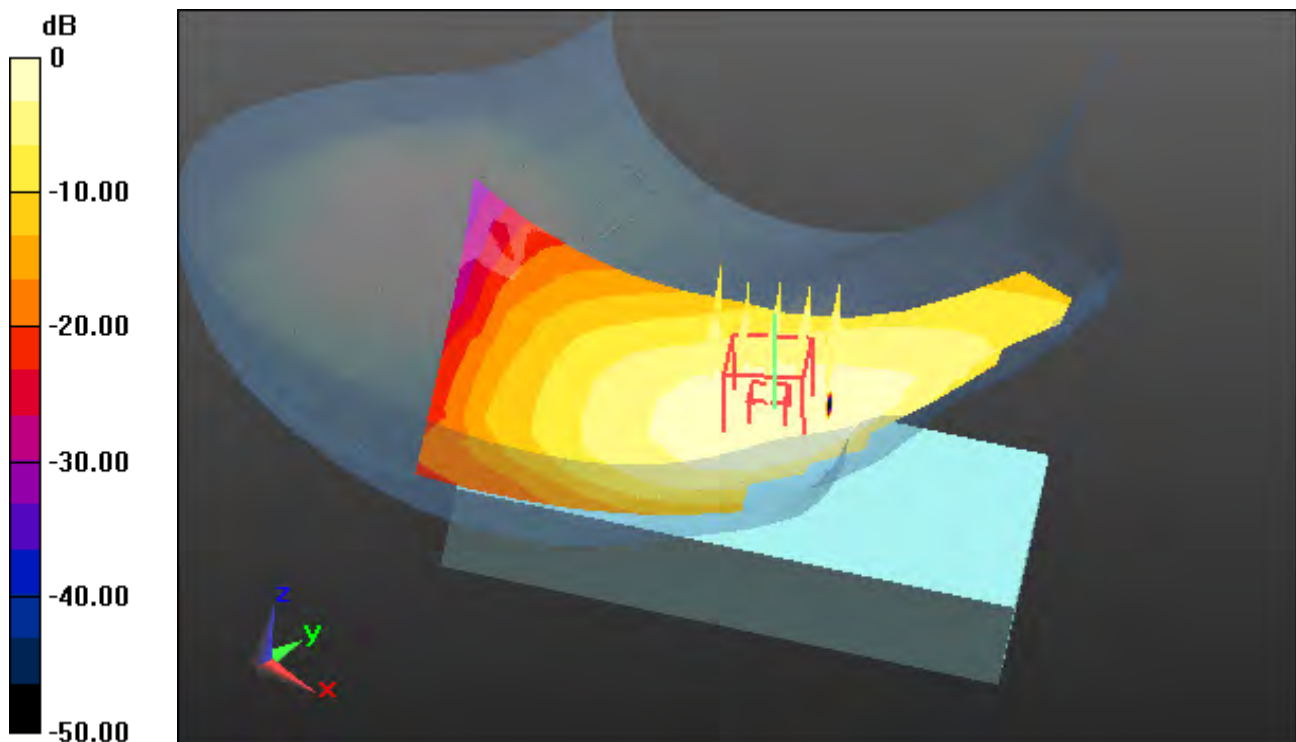
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.256 W/kg**





## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 39.352$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2018-11-22;

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

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

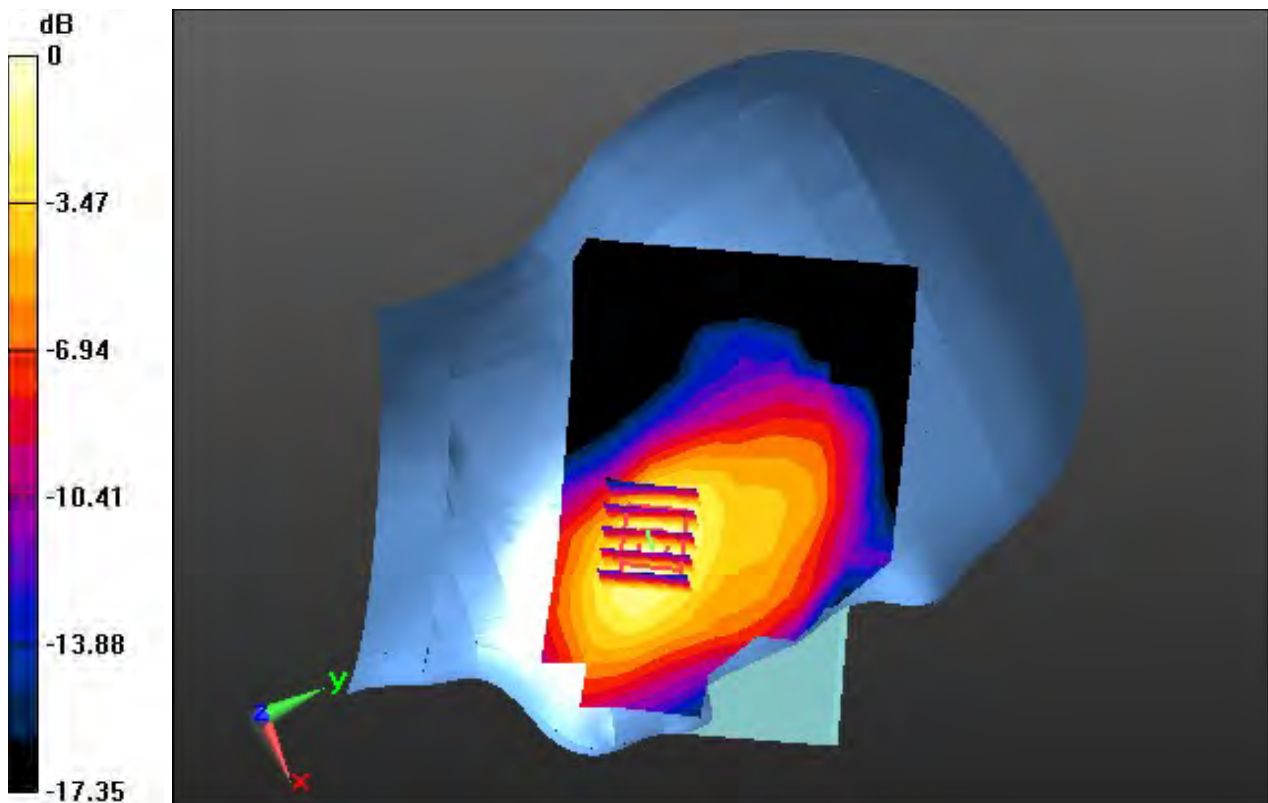
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.151 W/kg**





## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

Communication System: UID 0, PCS 1900 2 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 39.352$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2018-11-22;

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

**Left Touch, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal, Standard Battery**

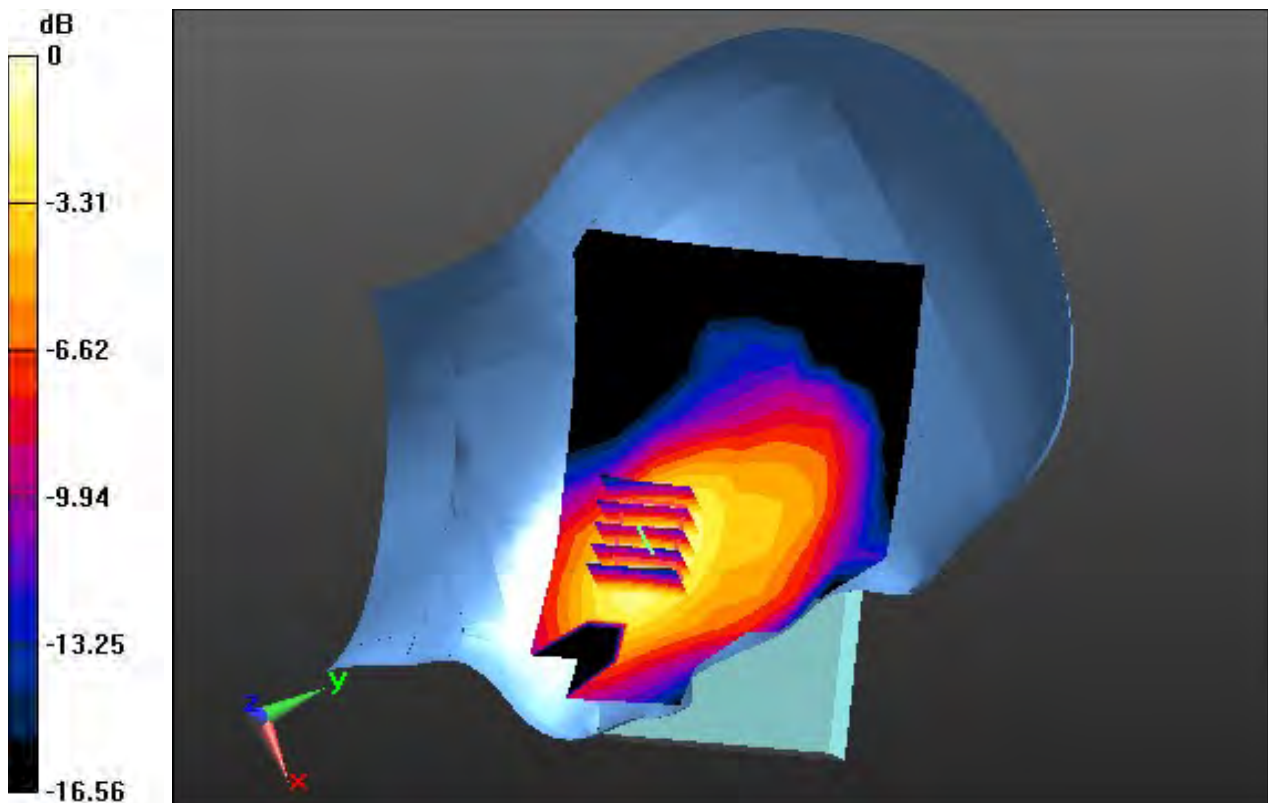
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.477 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.188 W/kg**



## DT&C Co., Ltd.

### **DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 41.508$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; 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: 2019-09-03; Ambient Temp: 21.1; Tissue Temp: 21.3

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

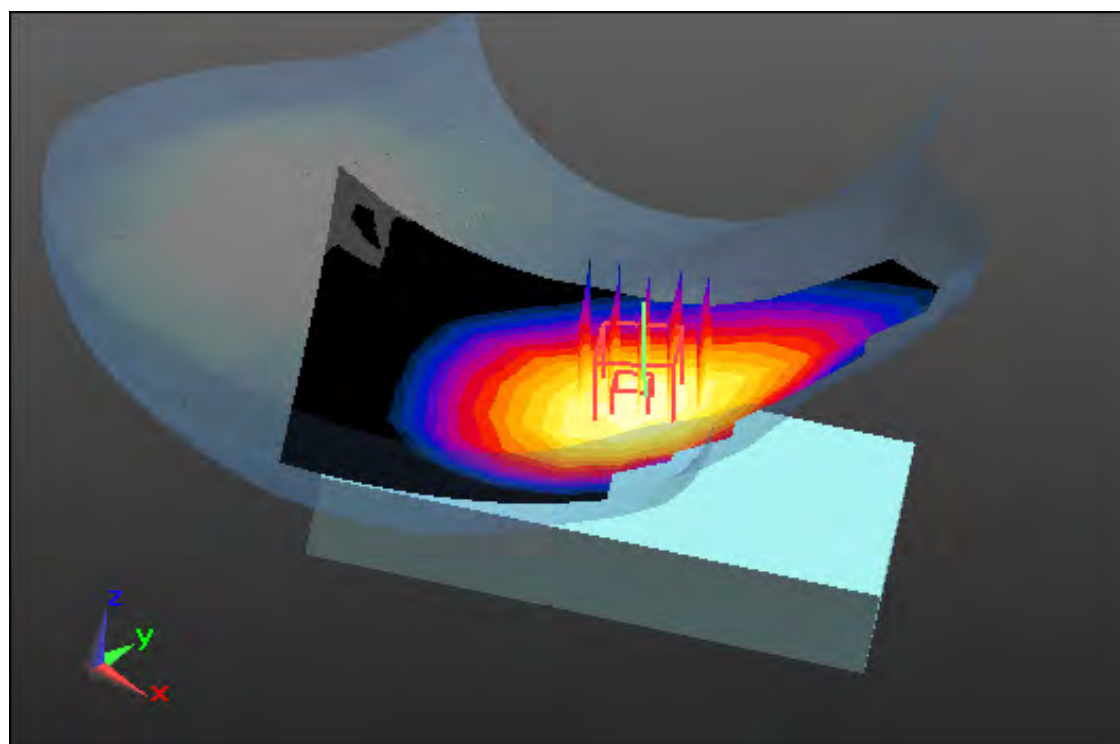
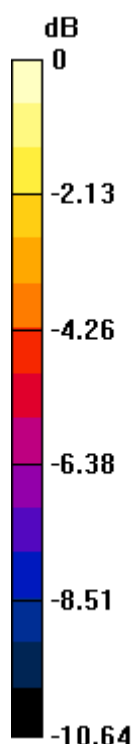
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.442 W/kg

**SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.257 W/kg**



0 dB = 0.392 W/kg

## DT&C Co., Ltd.

### **DUT: PM90G1; Type: PDA**

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 39.912$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.96, 8.96, 8.96) @ 1732.4 MHz; Calibrated: 2018-11-22;  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-02; Ambient Temp: 21.7; Tissue Temp: 21.5

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

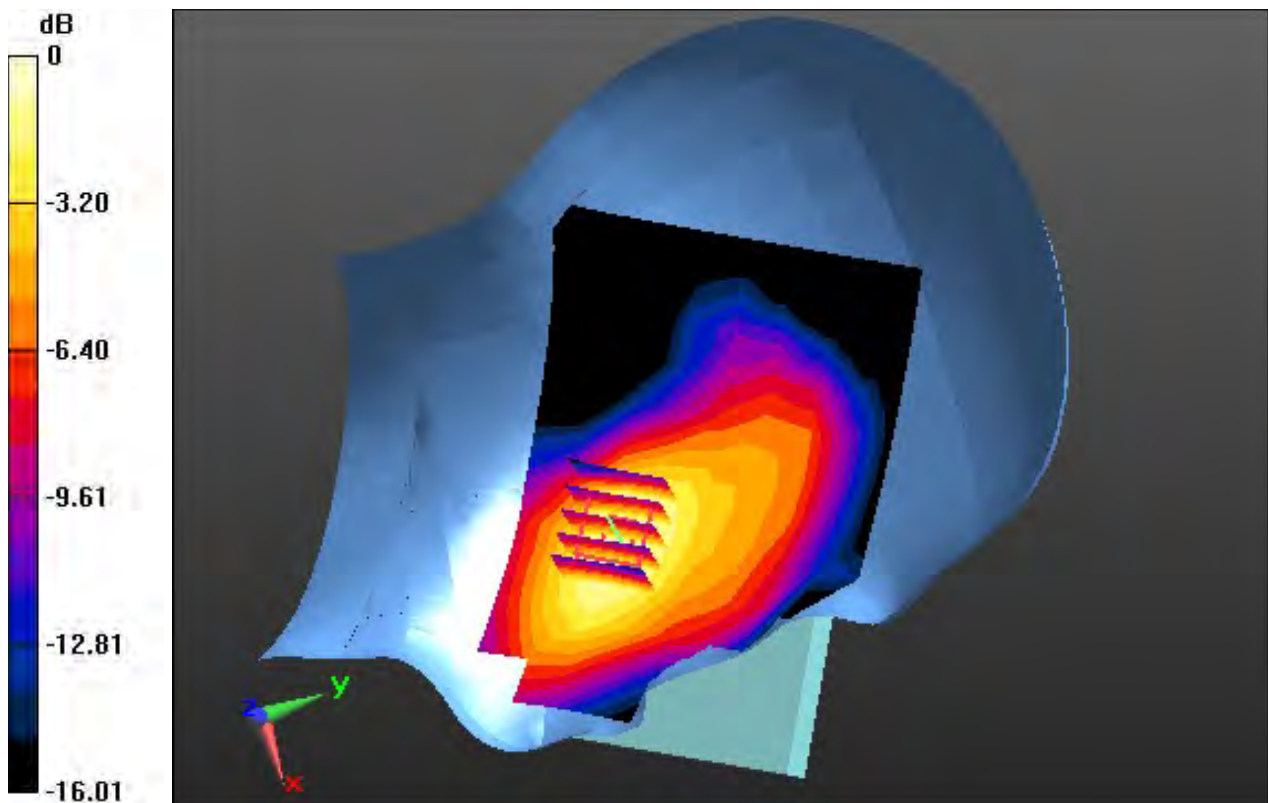
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.359 W/kg



0 dB = 0.705 W/kg

## DT&C Co., Ltd.

**DUT: PM90; Type: PDA**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 39.352$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2018-11-22;  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

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

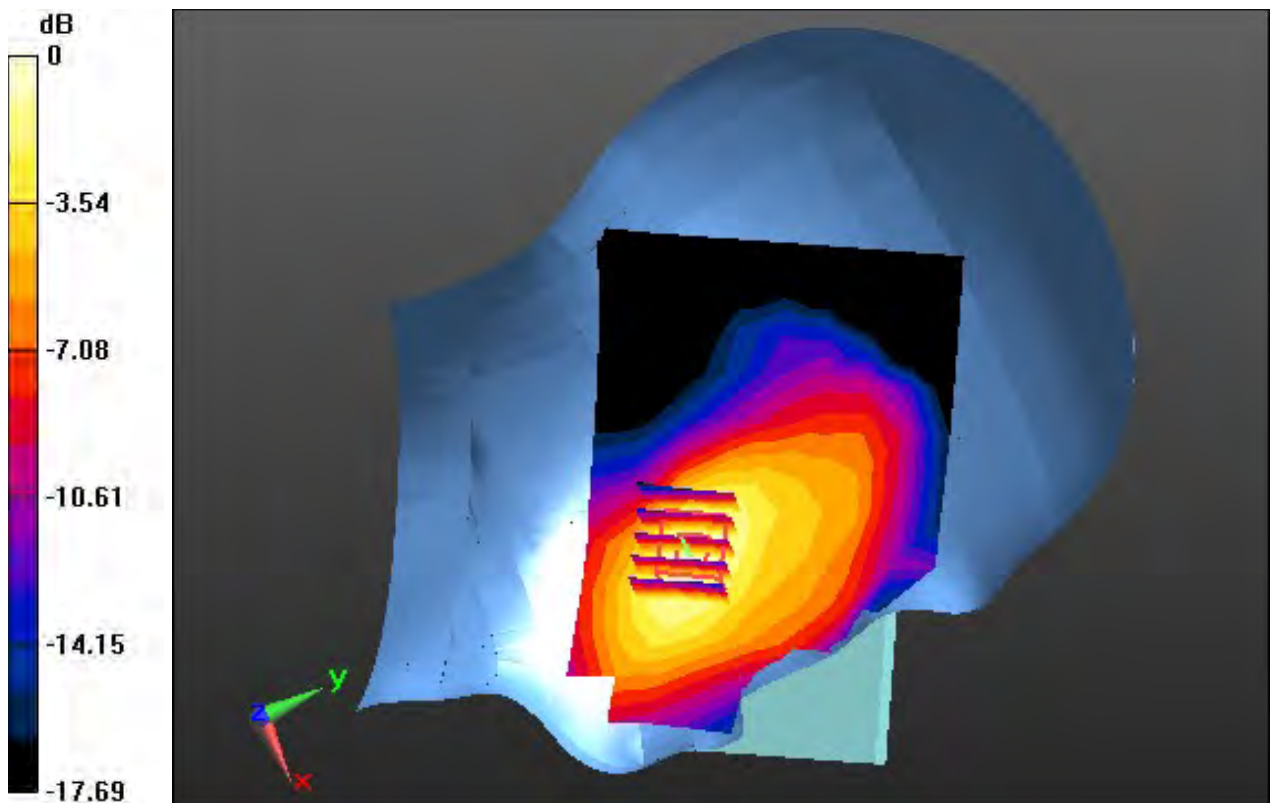
**Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.720 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.285 W/kg



0 dB = 0.598 W/kg

## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.892 \text{ S/m}$ ;  $\epsilon_r = 41.371$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; 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: 2019-09-04; Ambient Temp: 21.2; Tissue Temp: 21.4

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

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

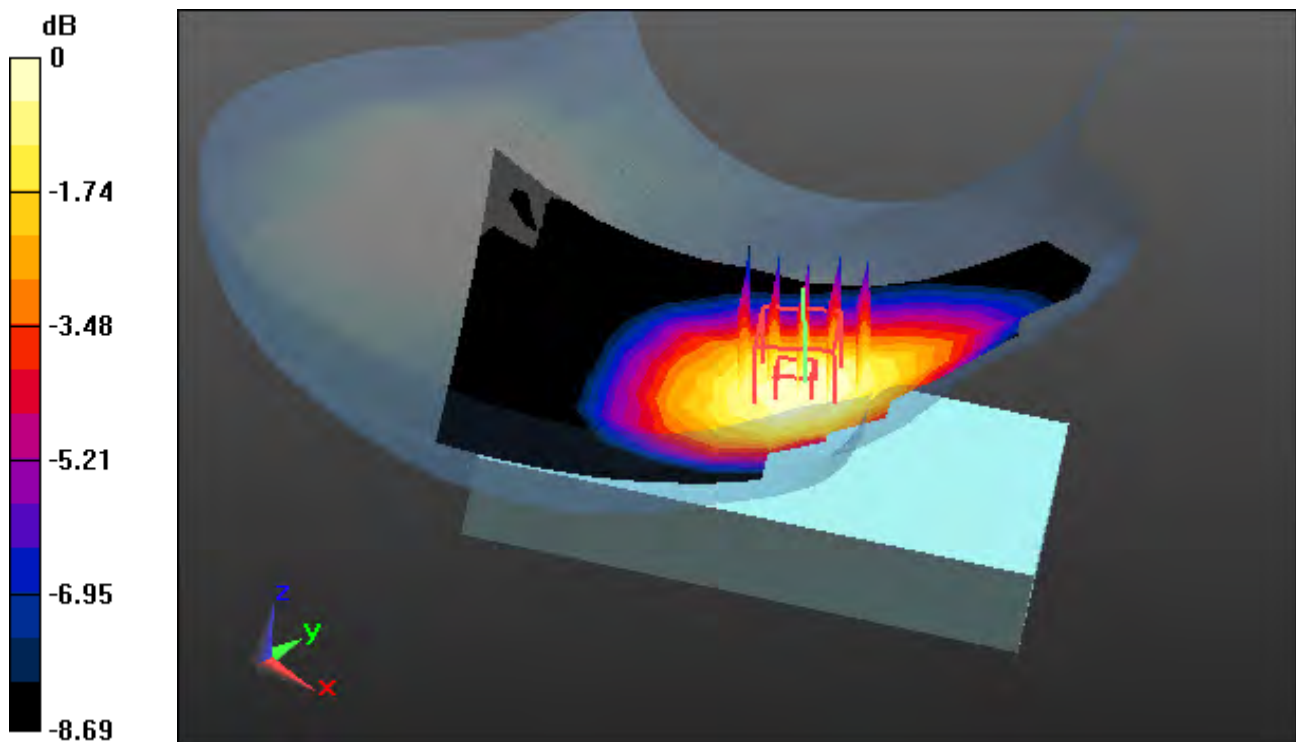
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.213 W/kg

**SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.141 W/kg**



0 dB = 0.195 W/kg

## DT&C Co., Ltd.

### **DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.942 \text{ S/m}$ ;  $\epsilon_r = 41.213$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; 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: 2019-09-06; Ambient Temp: 21.0; Tissue Temp: 20.4

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

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

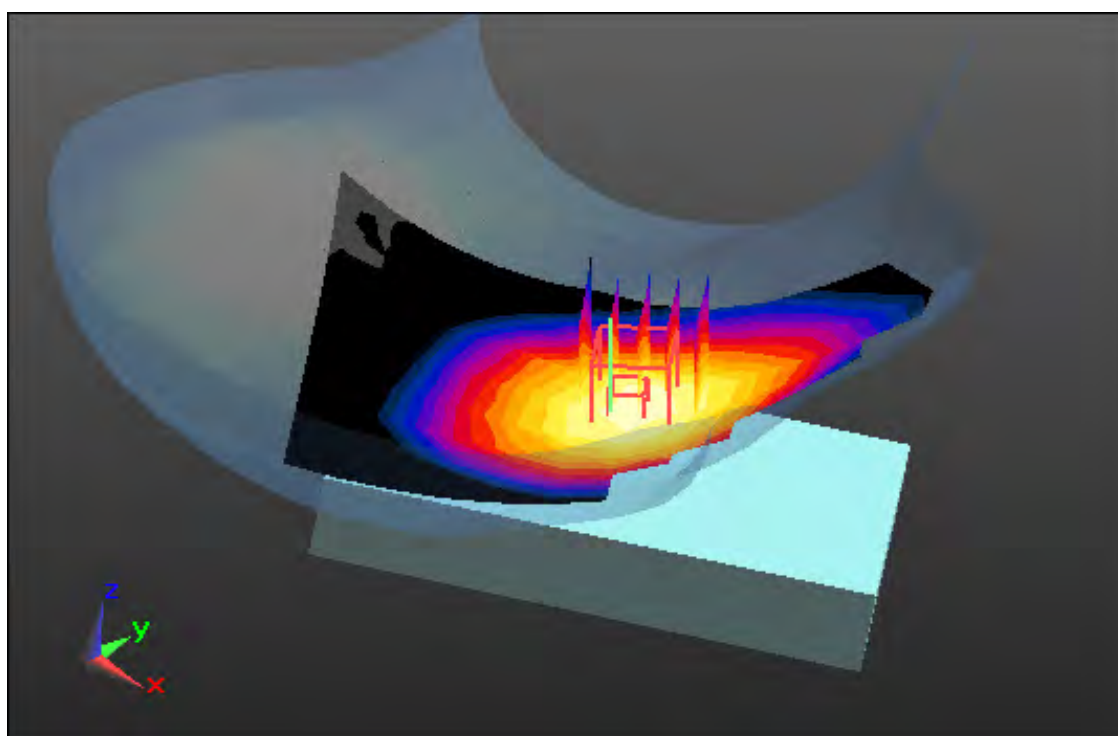
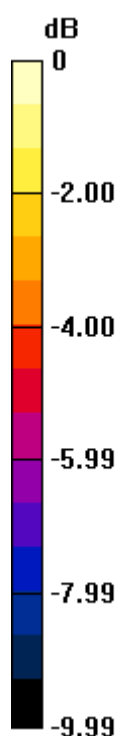
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.320 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.198 W/kg**



0 dB = 0.292 W/kg



## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.934 \text{ S/m}$ ;  $\epsilon_r = 42.118$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; 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: 2019-09-09; Ambient Temp: 21.3; Tissue Temp: 21.4

**Right Touch, LTE Band 14 Ch. 23330, Ant Internal, Standard Battery**

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

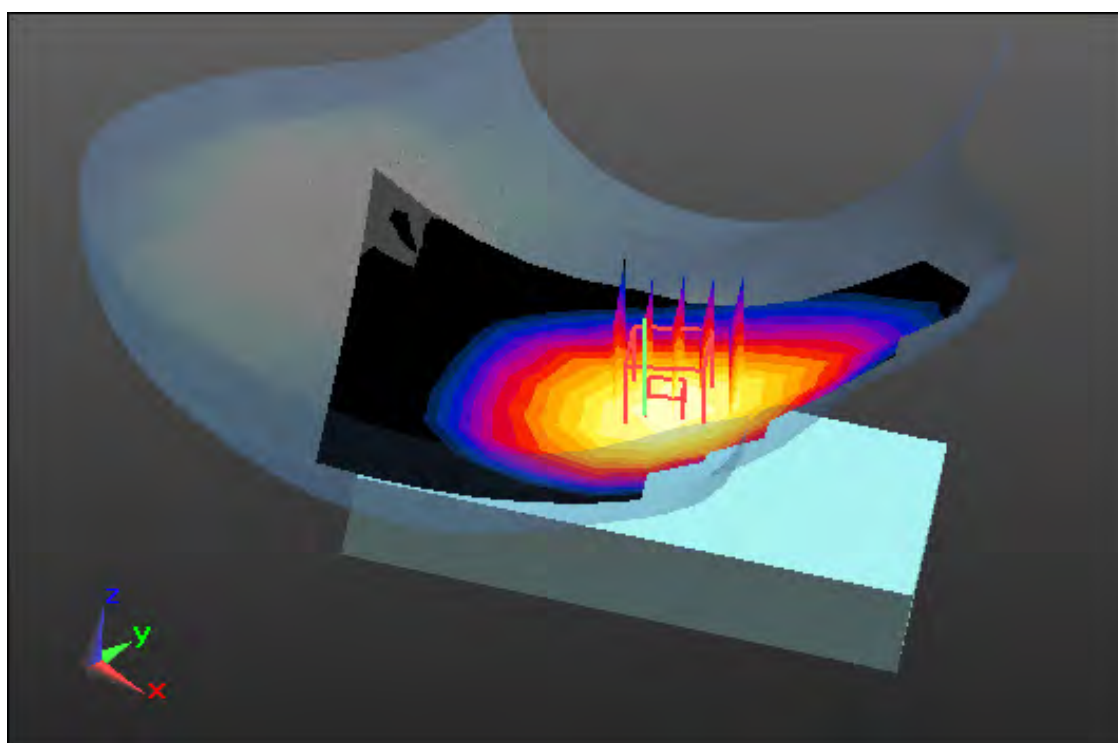
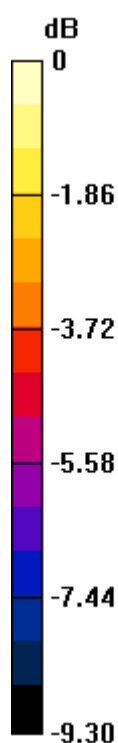
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.346 W/kg

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.217 W/kg**



0 dB = 0.314 W/kg



## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

Communication System: UID 0, LTE BAND 26 (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.876 \text{ S/m}$ ;  $\epsilon_r = 40.774$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; 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: 2019-09-05; Ambient Temp: 21.4; Tissue Temp: 21.3

**Right Touch, LTE Band 26 Ch. 26865, Ant Internal, Standard Battery**

**Mode : BandWidth 15 MHz, QPSK, RB Size: 1**

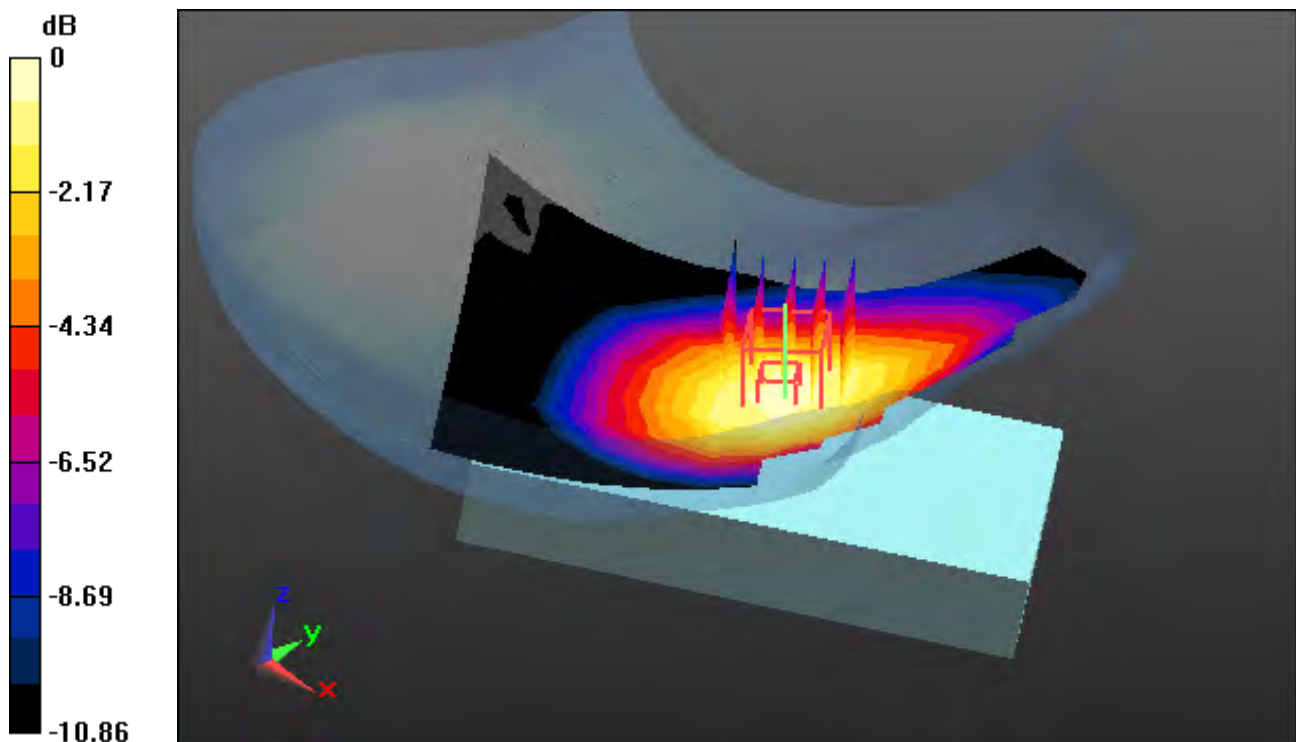
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.429 W/kg

**SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.250 W/kg**



0 dB = 0.386 W/kg

## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 39.912$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.96, 8.96, 8.96) @ 1732.5 MHz; Calibrated: 2018-11-22

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-02; Ambient Temp: 21.7; Tissue Temp: 21.5

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

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

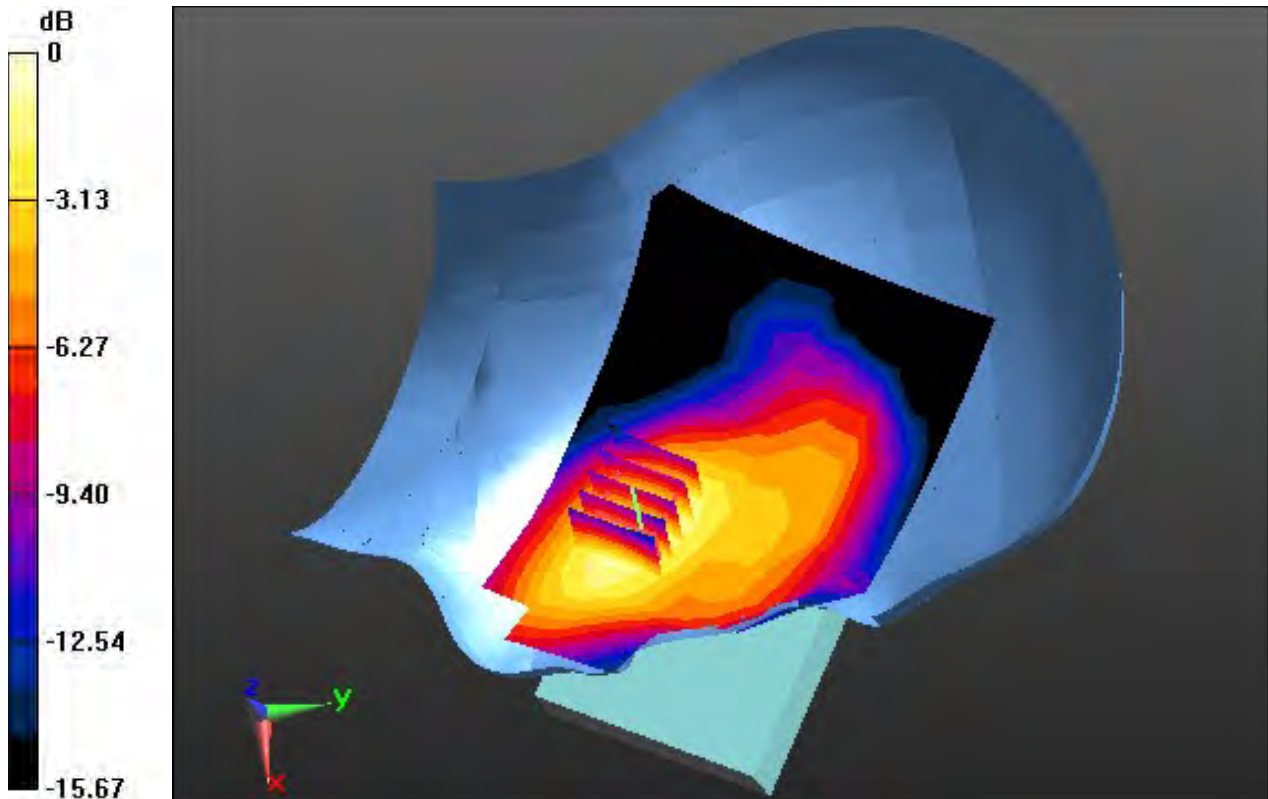
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.524 W/kg

**SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.230 W/kg**



0 dB = 0.449 W/kg

## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

Communication System: UID 0, LTE Band 25 (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.366$  S/m;  $\epsilon_r = 40.201$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1860 MHz; Calibrated: 2018-11-22

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-04; Ambient Temp: 21.8; Tissue Temp: 21.6

**Left Touch, LTE Band 25 Ch. 26140, Ant Internal, Standard Battery**

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

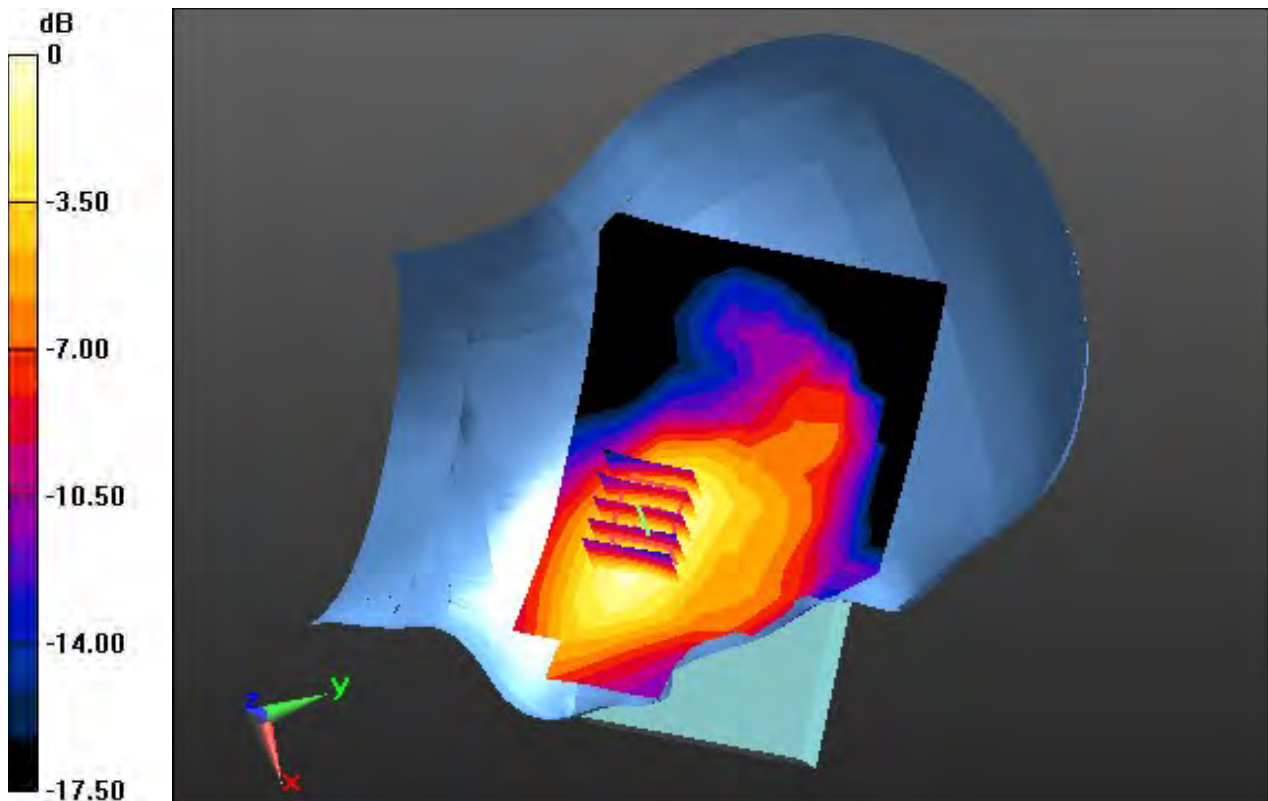
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.201 W/kg**



0 dB = 0.406 W/kg

## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

Communication System: UID 0, LTE Band 7 (0); Frequency: 2560 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.904$  S/m;  $\epsilon_r = 38.541$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2560 MHz; Calibrated: 2018-11-22  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-07; Ambient Temp: 21.8; Tissue Temp: 21.6

**Left Touch, LTE Band 7 Ch. 21350, Ant Internal, Standard Battery**

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

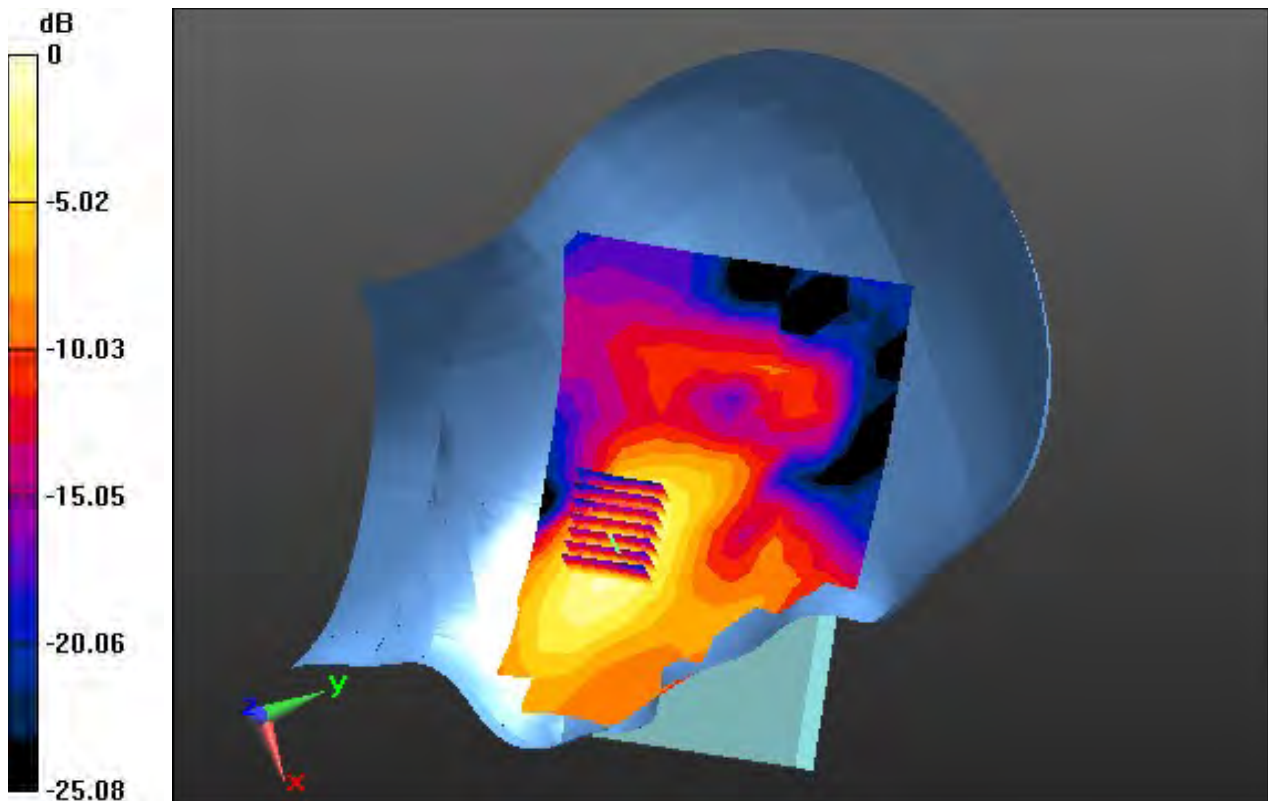
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.206 W/kg

**SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.056 W/kg**



0 dB = 0.156 W/kg

## DT&C Co., Ltd.

**DUT: PM90G1; Type: PDA**

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58  
Medium parameters used:  $f = 2593$  MHz;  $\sigma = 1.938$  S/m;  $\epsilon_r = 38.444$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2593 MHz; Calibrated: 2018-11-22  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-07; Ambient Temp: 21.8; Tissue Temp: 21.6

**Left Touch, LTE Band 41 Ch. 40620, Ant Internal, Standard Battery**

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

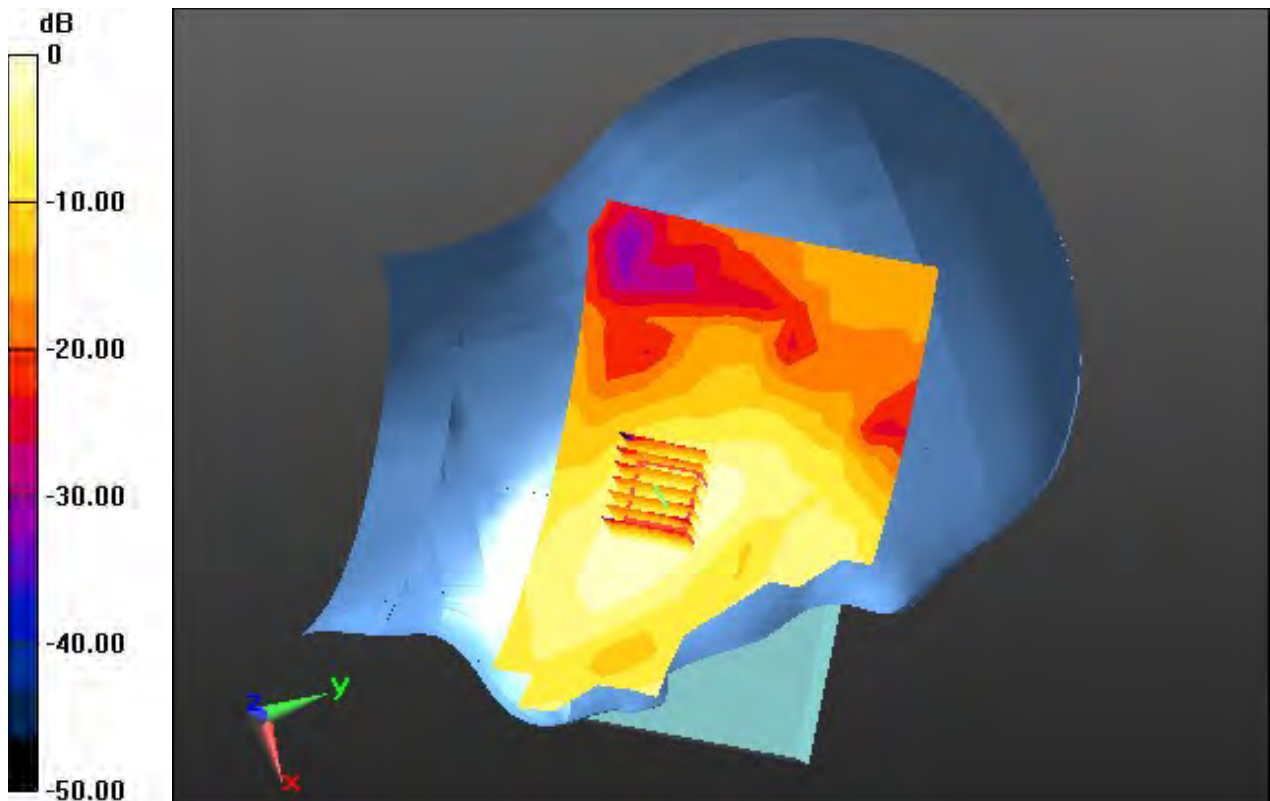
**Area Scan (11x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.049 W/kg**



0 dB = 0.131 W/kg



## DT&C Co., Ltd.

### **DUT: PM90G1; Type: PDA**

Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.743$  S/m;  $\epsilon_r = 38.673$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-08-22; Ambient Temp: 21.5; Tissue Temp: 21.7

### **Right Touch, WLAN(802.11b) Ch. 6, Ant Internal, Standard Battery**

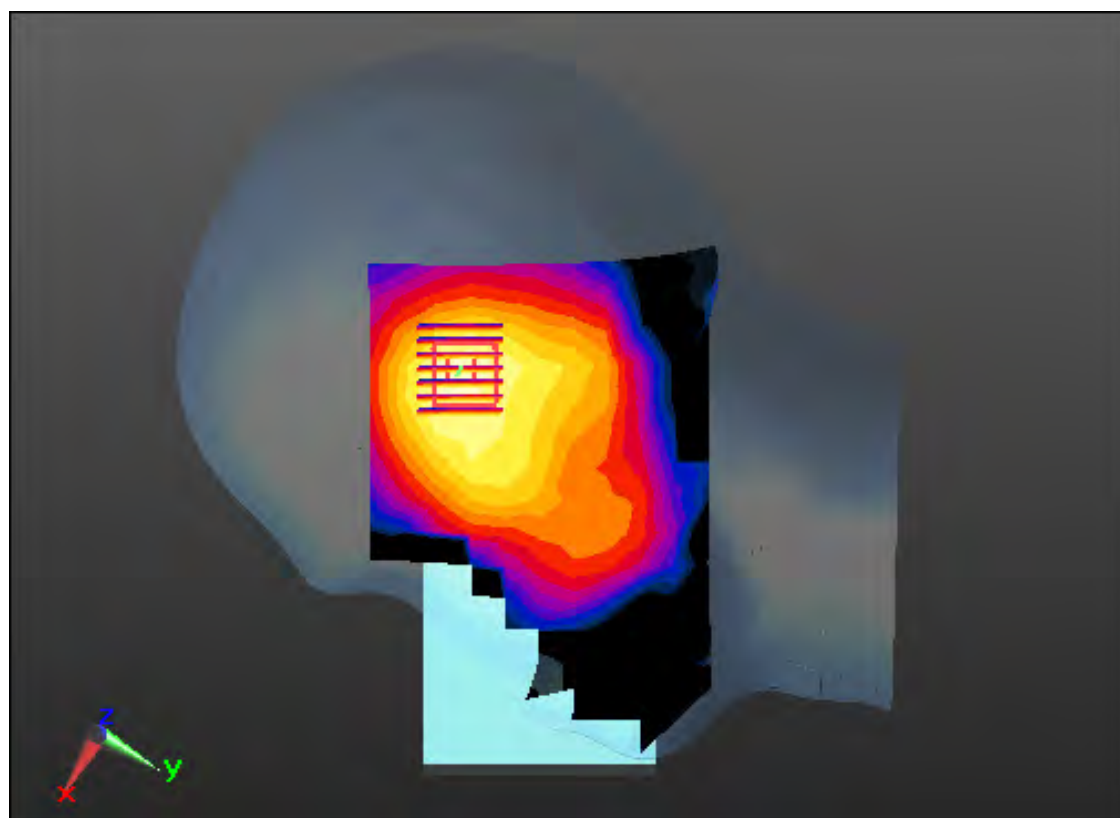
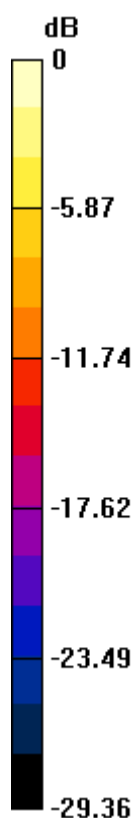
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.517 W/kg

**SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.124 W/kg**



0 dB = 0.378 W/kg

## DT&C Co., Ltd.

### DUT: PM90G1; Type: PDA

Communication System: UID 0, W-LAN\_5200(Notebook) (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 4.76 \text{ S/m}$ ;  $\epsilon_r = 36.842$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

#### DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-09-05; Ambient Temp: 21.3; Tissue Temp: 21.6

### Right Touch, WLAN(802.11a) Ch. 60, Ant Internal, Standard Battery

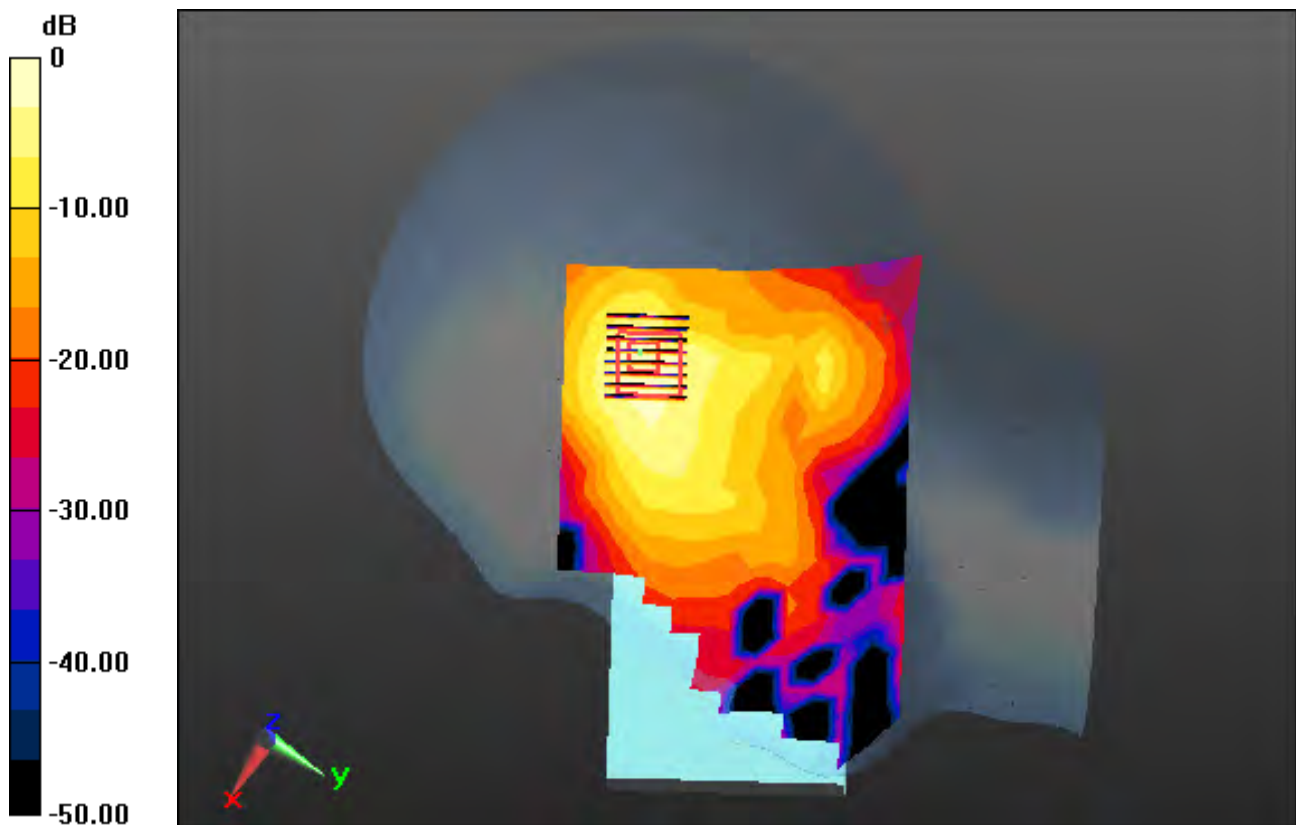
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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 = 0.02 dB

Peak SAR (extrapolated) = 3.17 W/kg

**SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.290 W/kg**



0 dB = 1.95 W/kg



## DT&C Co., Ltd.

### **DUT: PM90G1; Type: PDA**

Communication System: UID 0, W-LAN\_5600 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.022 \text{ S/m}$ ;  $\epsilon_r = 35.092$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-09-06; Ambient Temp: 20.9; Tissue Temp: 21.5

### **Right Touch, WLAN(802.11a) Ch. 116, Ant Internal, Standard Battery**

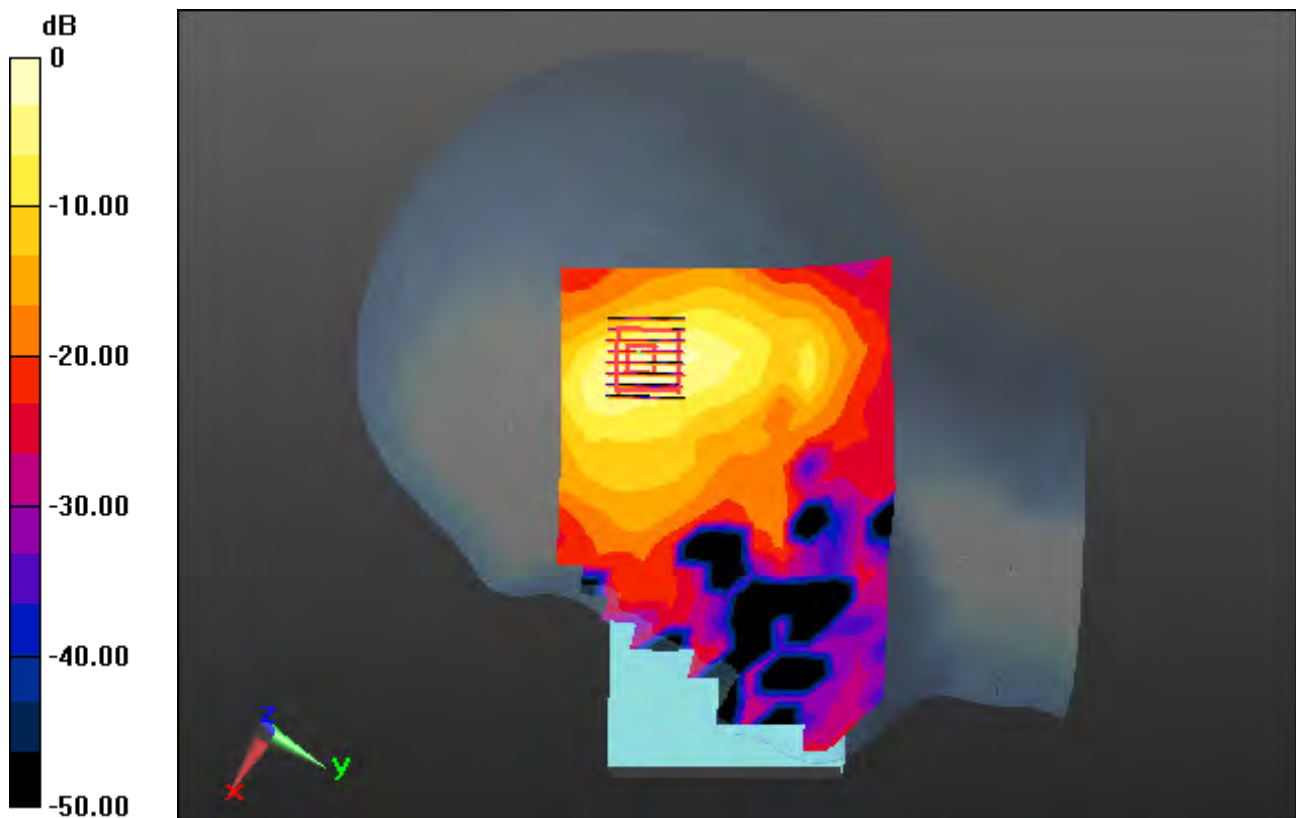
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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) = 2.52 W/kg

**SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.214 W/kg**



0 dB = 1.52 W/kg

## DT&C Co., Ltd.

### **DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.239 \text{ S/m}$ ;  $\epsilon_r = 36.418$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-09-09; Ambient Temp: 21.8; Tissue Temp: 21.6

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

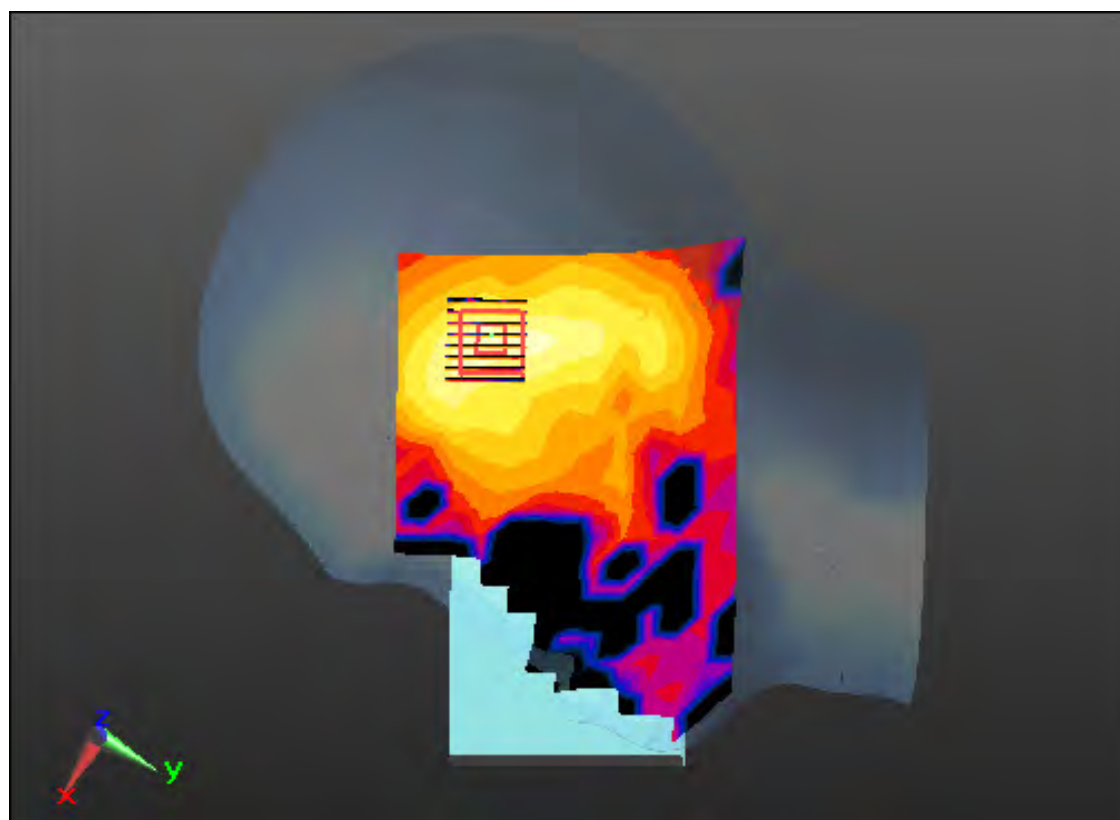
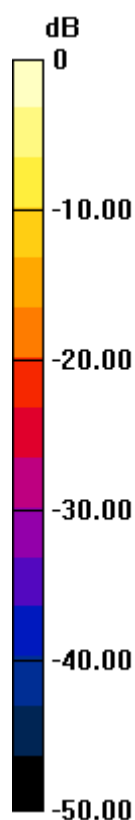
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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 = 0.09 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.174 W/kg**



0 dB = 1.37 W/kg

## DT&C Co., Ltd.

### **DUT: PM90G1; Type: PDA**

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

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.844 \text{ S/m}$ ;  $\epsilon_r = 38.372$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

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

Test Date: 2019-08-23; Ambient Temp: 20.9; Tissue Temp: 21.0

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

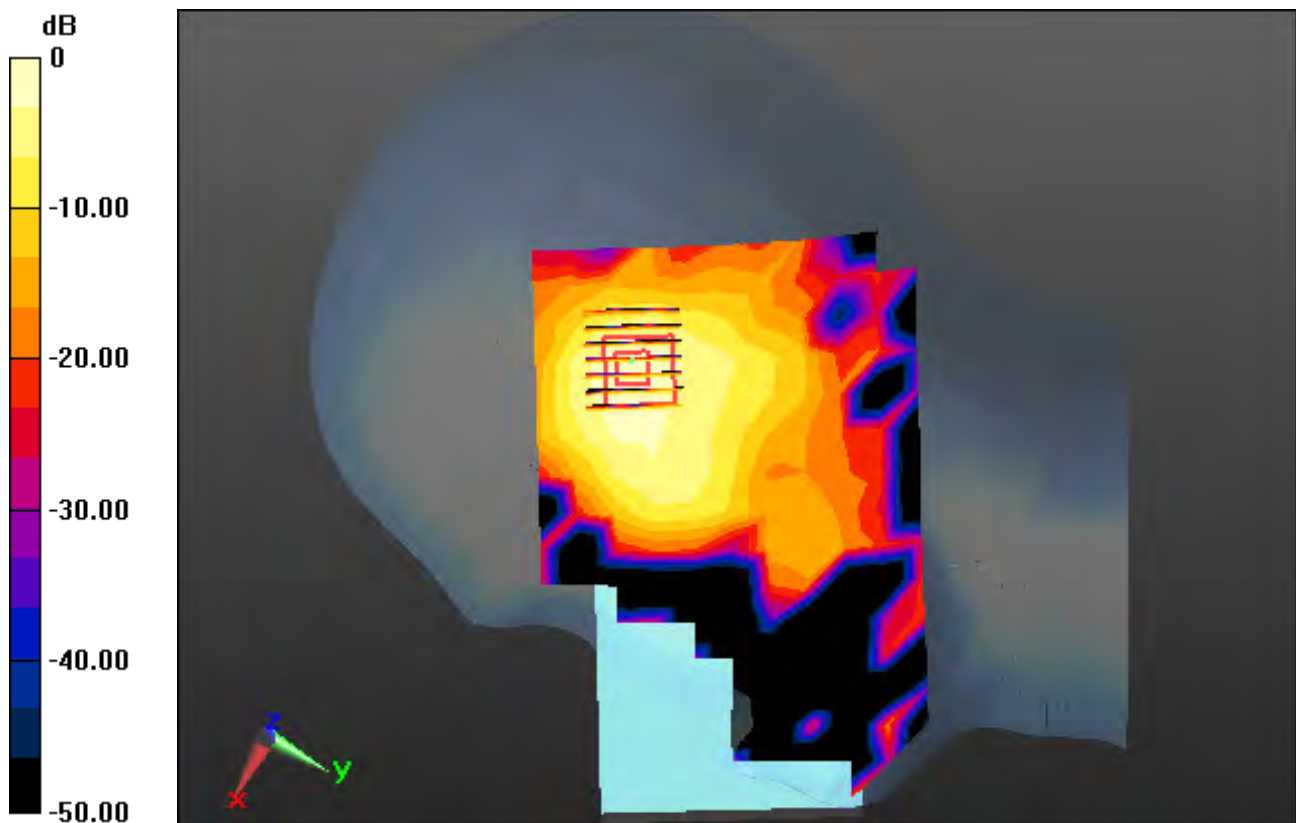
**Area Scan (11x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0780 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 W/kg**



0 dB = 0.0561 W/kg