

## SAR Plots

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

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

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.789$  S/m;  $\epsilon_r = 38.192$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(7.38, 7.38, 7.38); Calibrated: 11/24/2015; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2016-11-01; Ambient Temp: 20.9; Tissue Temp: 21.3

### **2450 MHz System Verification**

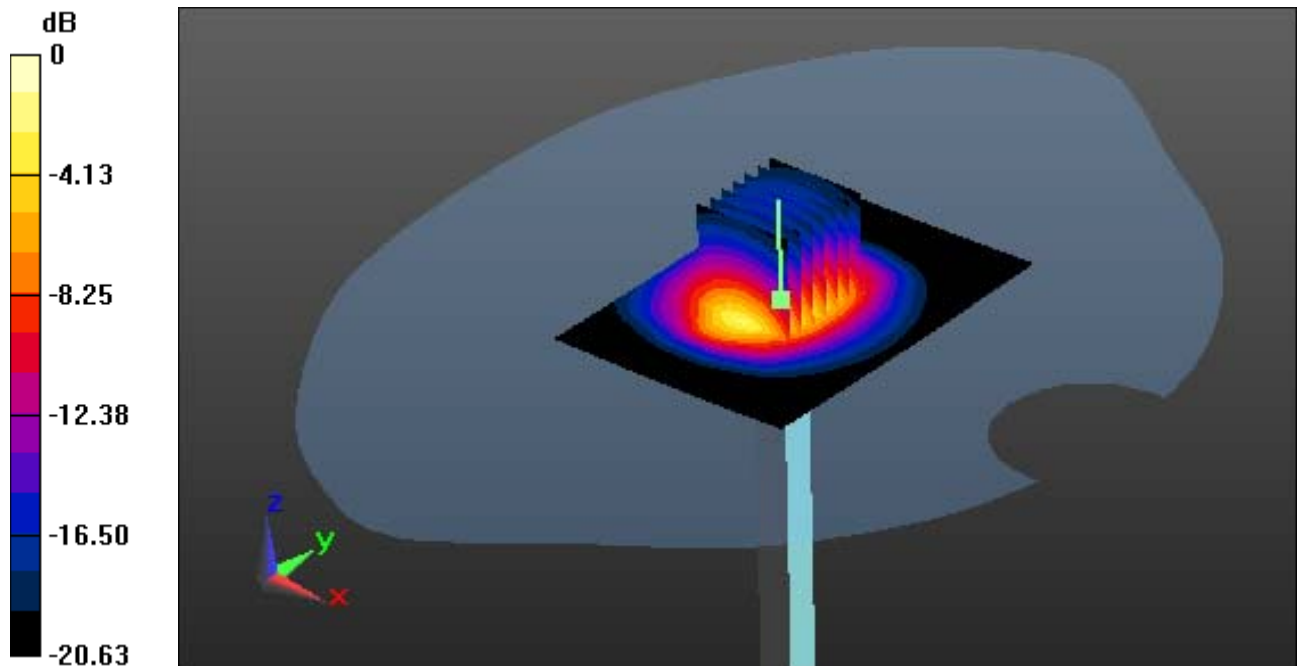
**Area Scan (51x71x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 22.0 W/kg

**SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.93 W/kg**



0 dB = 15.6 W/kg

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Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.789$  S/m;  $\epsilon_r = 38.192$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

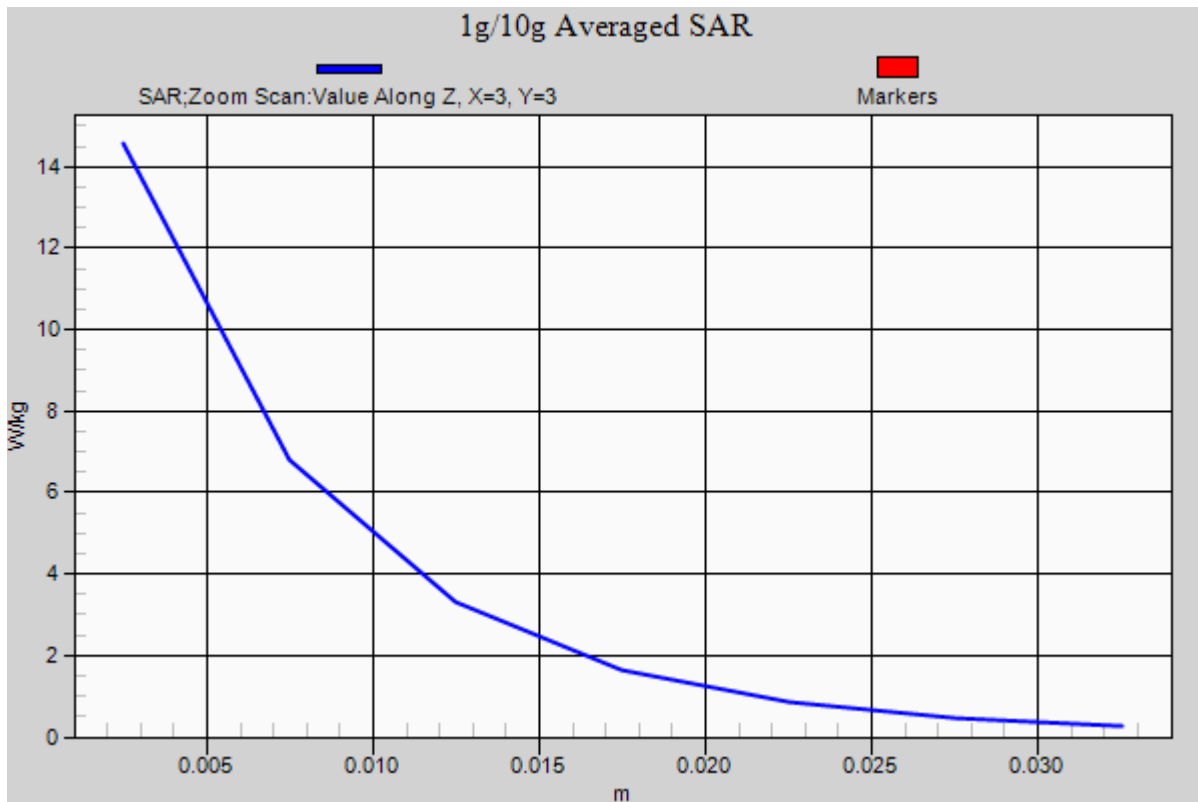
## **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(7.38, 7.38, 7.38); Calibrated: 11/24/2015; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
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Test Date: 2016-11-01; Ambient Temp: 20.9; Tissue Temp: 21.3

## **2450 MHz System Verification**

**Area Scan (51x71x1):** Interpolated grid: dx=15 mm, dy=15 mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 22.0 W/kg  
**SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.93 W/kg**



# DT&C Co., Ltd.

## **DUT: SP31; Type: Headset**

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3039  
Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.822$  S/m;  $\epsilon_r = 38.101$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.17, 7.17, 7.17); Calibrated: 6/29/2016; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2016-11-01; Ambient Temp: 20.9; Tissue Temp: 21.3

### **1.0 cm space from Body, Front, Bluetooth 1Mbps Ch. 78, Ant Internal**

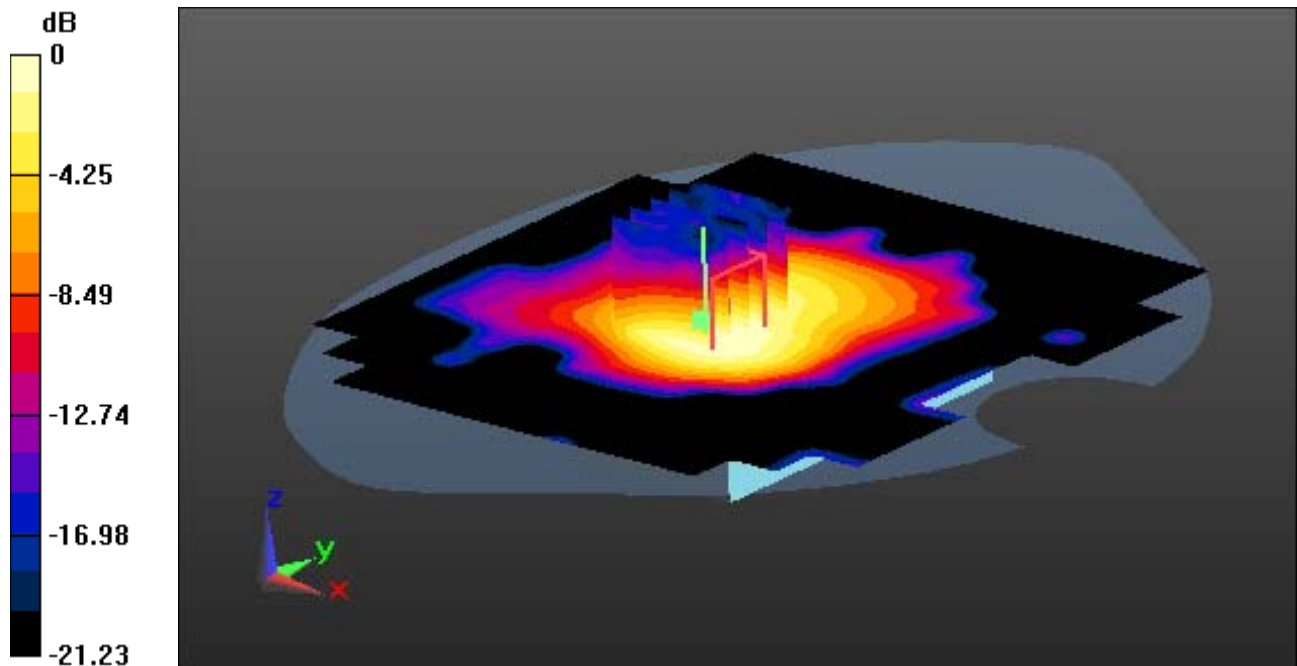
**Area Scan (131x131x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.046 W/kg



0 dB = 0.121 W/kg

# DT&C Co., Ltd.

## **DUT: SP31; Type: Headset**

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3039  
Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.822$  S/m;  $\epsilon_r = 38.101$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.17, 7.17, 7.17); Calibrated: 6/29/2016; Electronics: DAE4 Sn1394  
Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2016-11-01; Ambient Temp: 20.9; Tissue Temp: 21.3

## **1.0 cm space from Body, Front, Bluetooth 1Mbps Ch. 78, Ant Internal**

### **With Enlarge plot image**

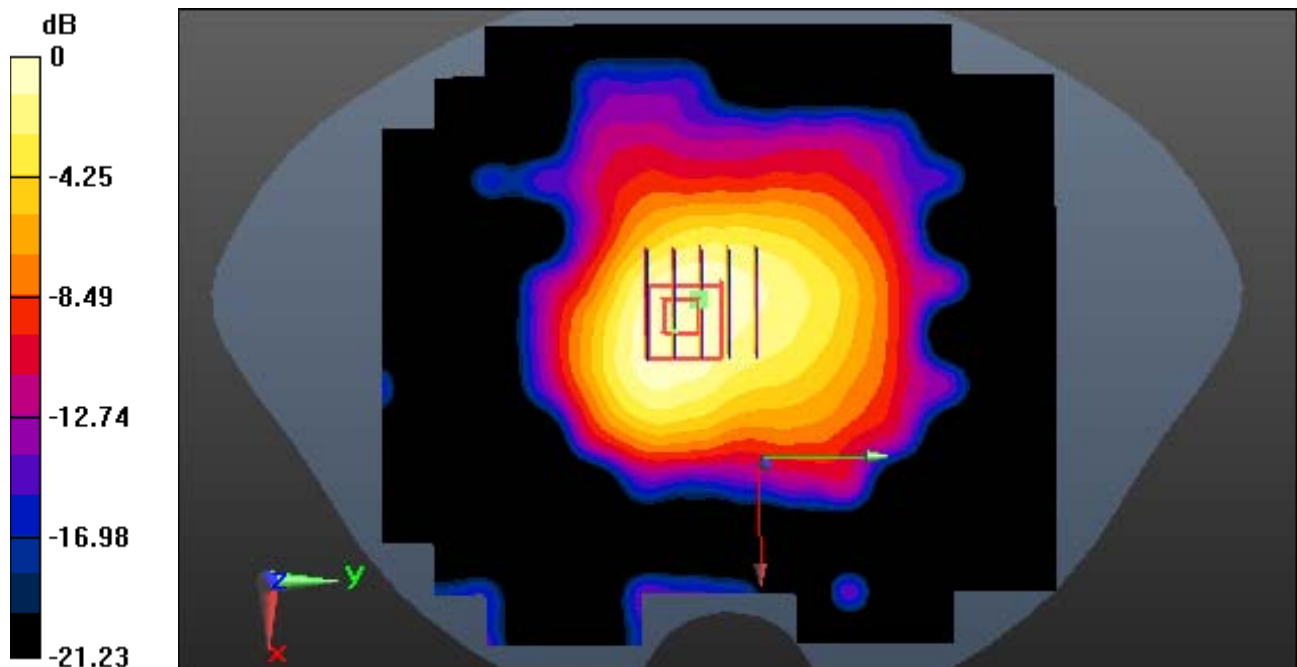
**Area Scan (131x131x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

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**SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.046 W/kg**



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Phantom: SAM (30deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2016-11-01; Ambient Temp: 20.9; Tissue Temp: 21.3

## 1.0 cm space from Body, Front, Bluetooth 1Mbps Ch. 78, Ant Internal

**Area Scan (131x131x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.171 W/kg

**SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.046 W/kg**

