

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN726**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.819$  S/m;  $\epsilon_r = 37.921$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.66, 7.66, 7.66) @ 2450 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1391  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-25; Ambient Temp: 20.9; Tissue Temp: 20.6

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

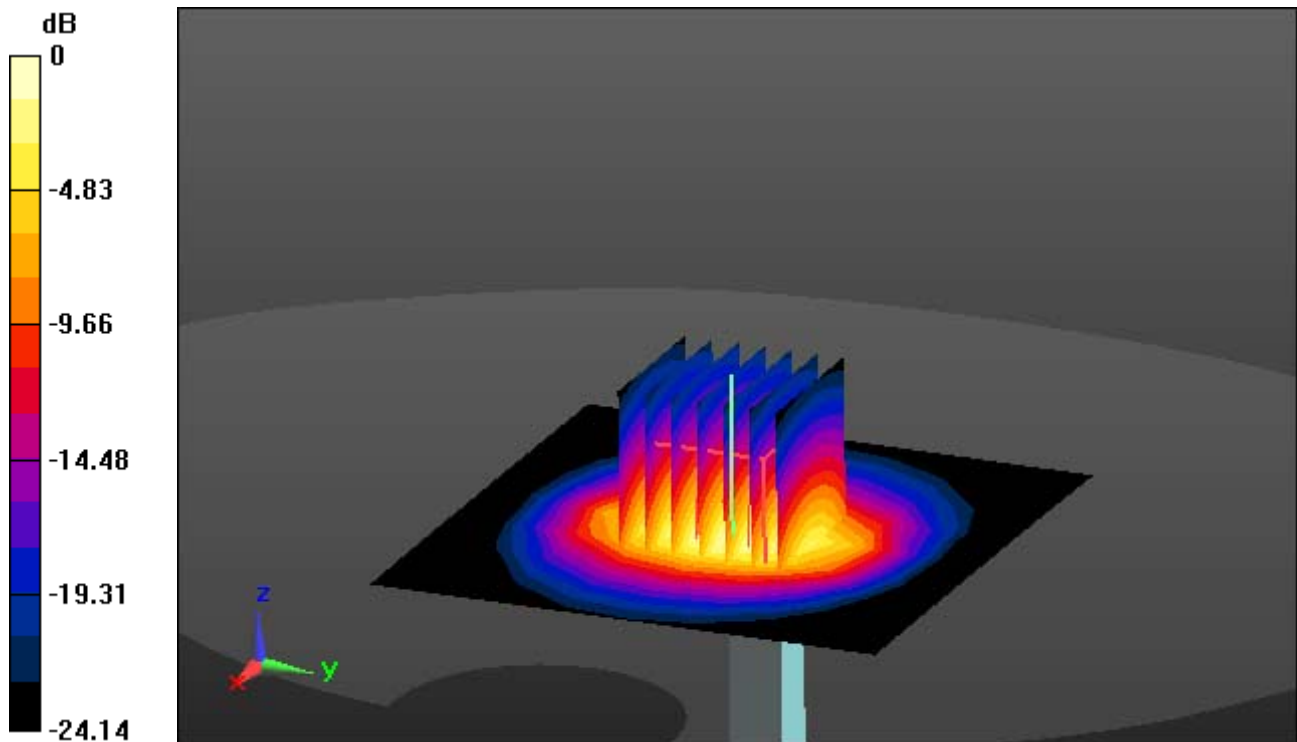
**Area Scan (9x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.5 W/kg

**SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.42 W/kg**



0 dB = 8.4 W/kg

## DT&C Co., Ltd.

### **DUT: SP81; Type: Bluetooth Headset**

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

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.81 \text{ S/m}$ ;  $\epsilon_r = 37.949$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.66, 7.66, 7.66) @ 2441 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-25; Ambient Temp: 20.9; Tissue Temp: 20.6

### **Touch from Body, Rear, Bluetooth 1Mbps Ch. 39, Ant Internal**

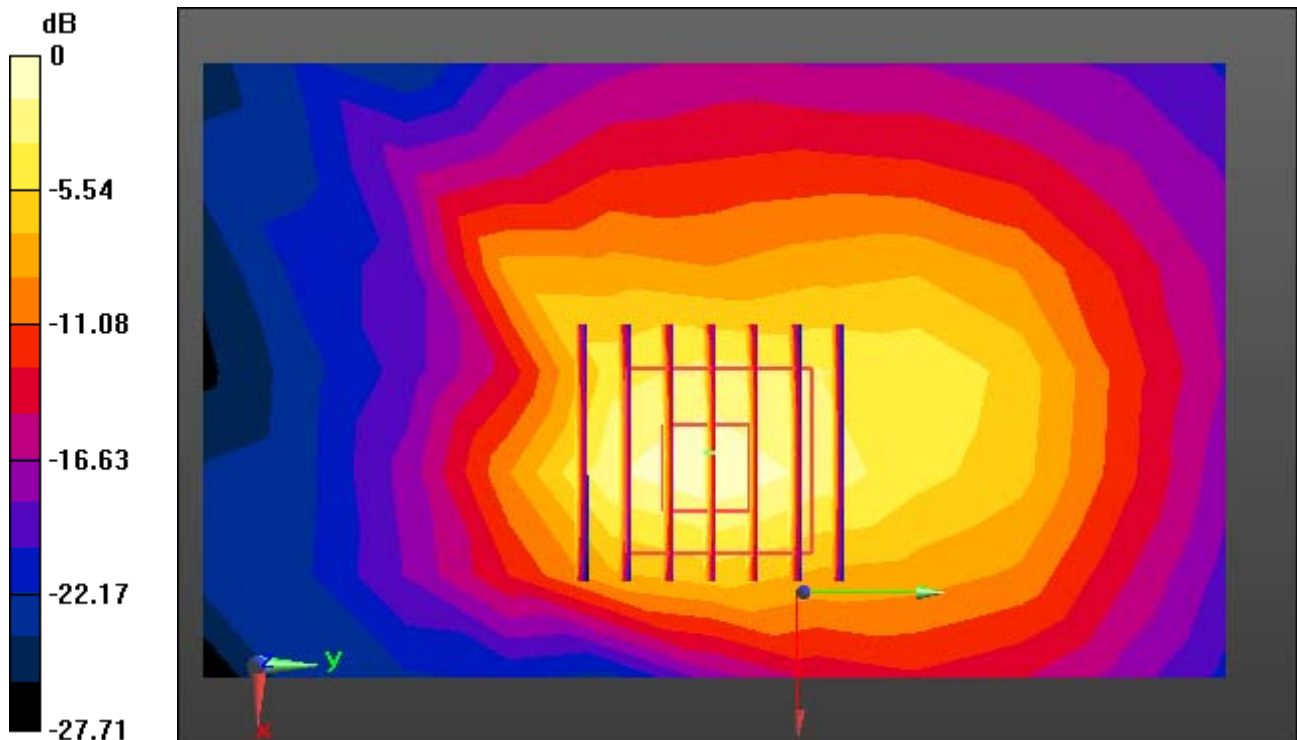
**Area Scan (7x11x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.831 W/kg

**SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.210 W/kg**



0 dB = 0.644 W/kg