

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

**DUT: 900 MHz Dipole; Type: D900V2; Serial: SN1d175**

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.965 \text{ S/m}$ ;  $\epsilon_r = 40.255$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.12, 10.12, 10.12) @ 900 MHz; Calibrated: 10/19/2021 Electronics: DAE4  
Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-17; Ambient Temp: 21.1; Tissue Temp: 20.7

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

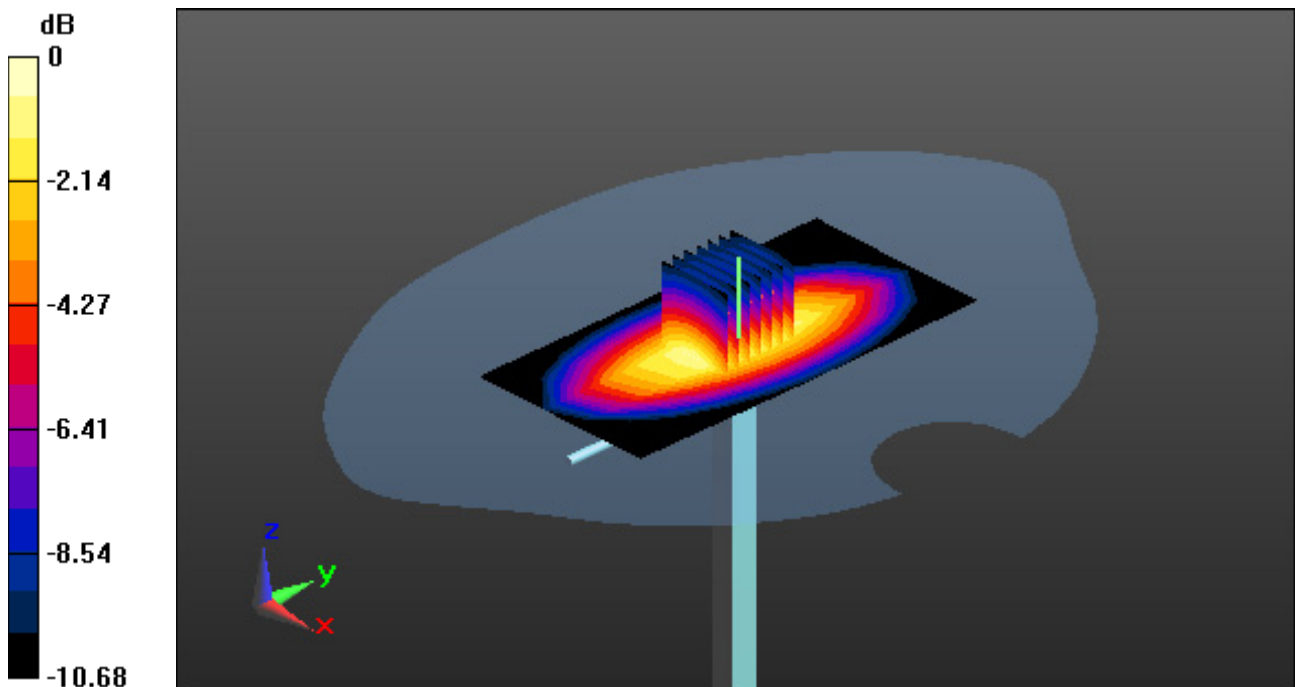
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.67 W/kg**



0 dB = 3.04 W/kg

## DT&C Co., Ltd.

### **DUT: ASR-X3XD; Type: Bar**

Communication System: UID 0, ASR\_FCC (0); Frequency: 921.9 MHz; Duty Cycle: 1:3.333

Medium parameters used:  $f = 921.9$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 40.126$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(10.12, 10.12, 10.12) @ 921.9 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2022-08-17; Ambient Temp: 21.1; Tissue Temp: 20.7

### **Touch from Body, Rear, RFID Ch. 25, Ant. Internal**

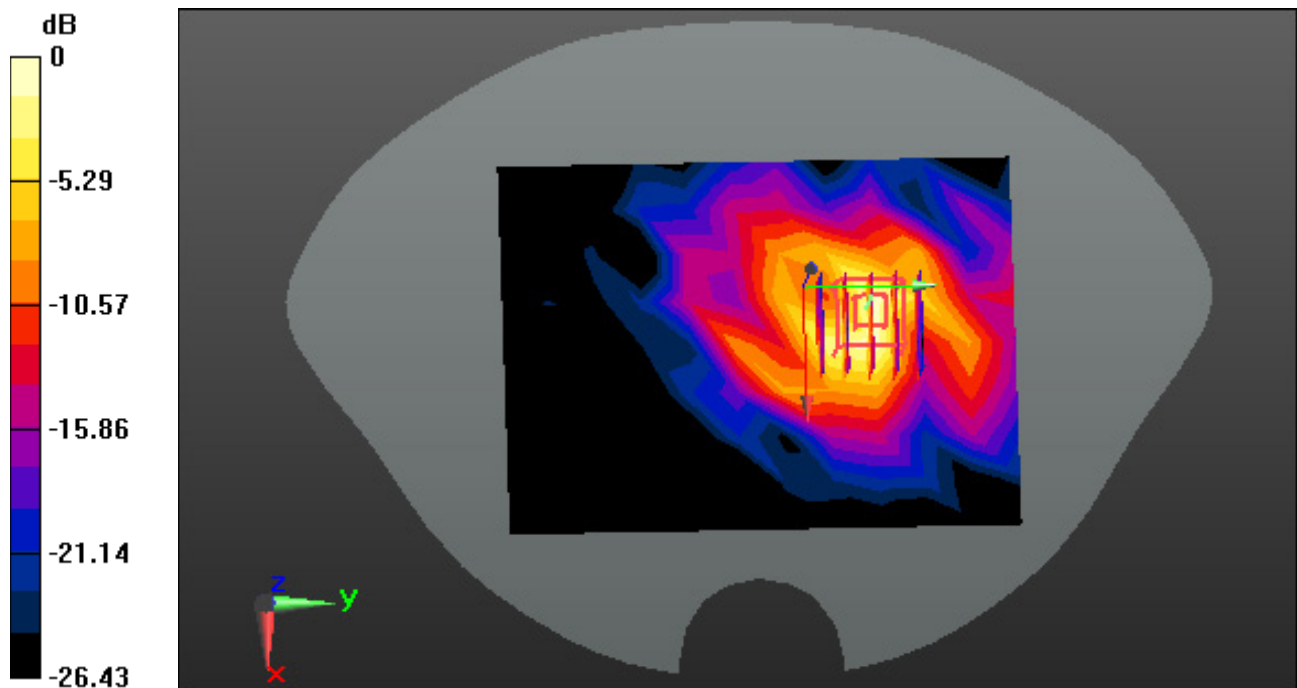
**Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.86 W/kg

**SAR(1 g) = 2.25 W/kg; SAR(10 g) = 0.914 W/kg**



0 dB = 3.25 W/kg