

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## Dt&C Co., Ltd.

**DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d146**

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 42.076$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.09, 5.85, 5.74); Calibrated: 1/22/2024 Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679  
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-03-26; Ambient Temp: 21.3; Tissue Temp: 21.2

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

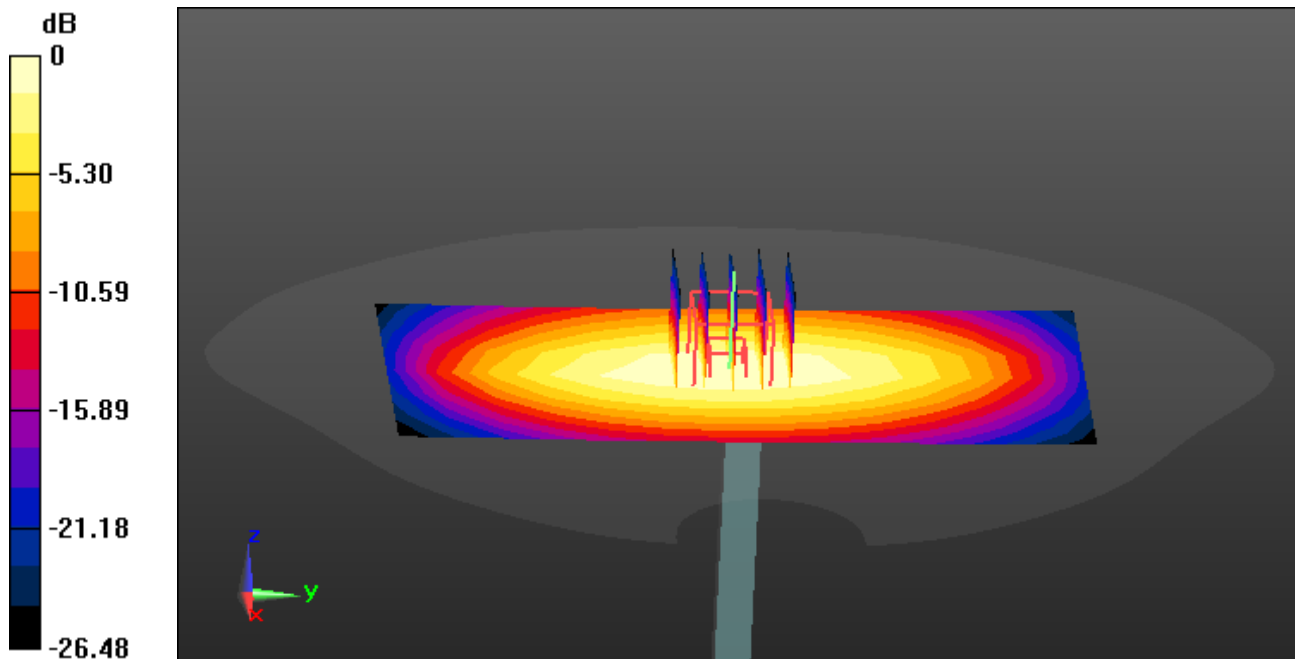
**Area Scan (7x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 3.84 W/kg

**SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.82 W/kg**



0 dB = 2.95 W/kg

# Dt&C Co., Ltd.

## **DUT: R-5710; Type: RFID Reader**

Communication System: UID 0, RFID(FCC) (0); Frequency: 915.25 MHz; Duty Cycle: 1:3.561

Medium parameters used:  $f = 915.25 \text{ MHz}$ ;  $\sigma = 0.984 \text{ S/m}$ ;  $\epsilon_r = 41.199$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.09, 5.85, 5.74); Calibrated: 1/22/2024 Electronics: DAE3 Sn520

Sensor-Surface: 3mm (Mechanical Surface Detection)

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

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-03-26; Ambient Temp: 21.3; Tissue Temp: 21.2

### **Touch from Body, Rear #2, RFID Ch. 26, Ant. Internal**

**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 = -0.19 dB

Peak SAR (extrapolated) = 2.01 W/kg

**SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.698 W/kg**

