

## 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:  $f = 900$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 41.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.99, 8.99, 8.99) @ 900 MHz; Calibrated: 5/4/2023 Electronics: DAE4  
Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1837  
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2023-11-01; Ambient Temp: 20.7; Tissue Temp: 21.1

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

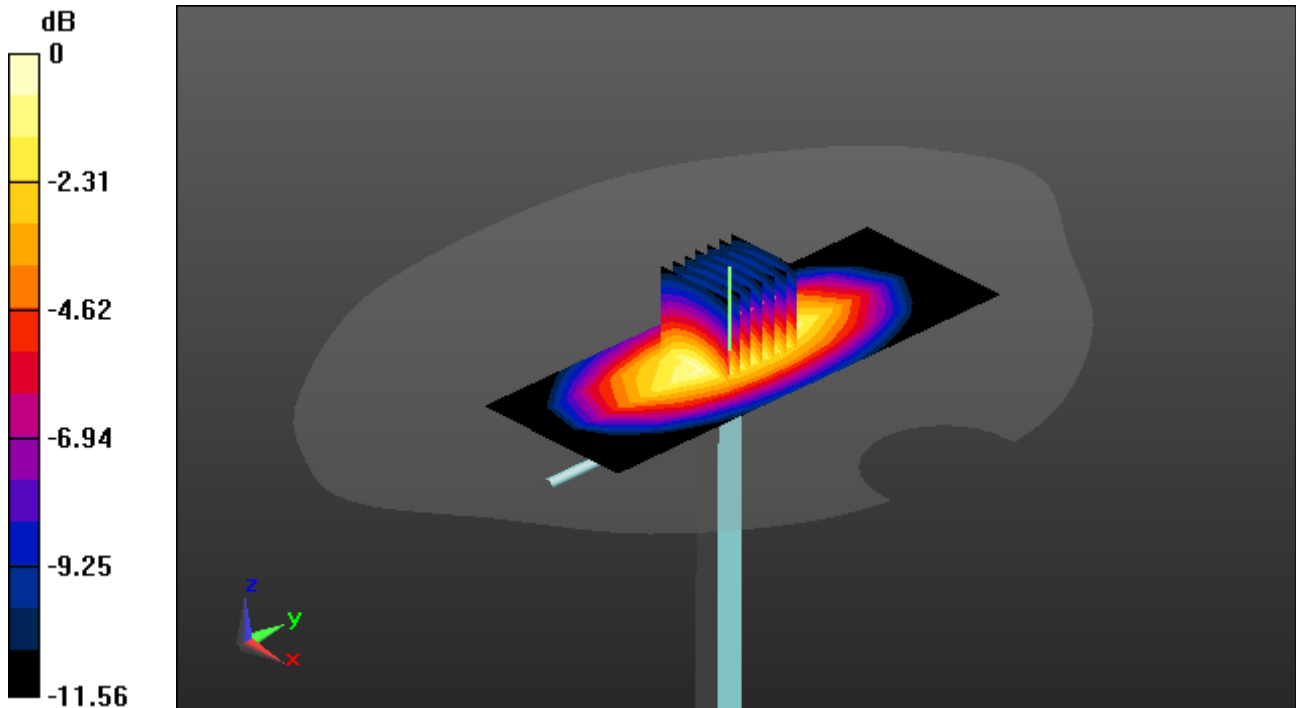
**Area Scan (5x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.42 W/kg

**SAR(1 g) = 2.82 W/kg; SAR(10 g) = 1.81 W/kg**



0 dB = 3.39 W/kg

# Dt&C Co., Ltd.

**DUT: RF88; Type: Gun**

Communication System: UID 0, RFID(FCC) (0); Frequency: 915.25 MHz; Duty Cycle: 1:1.135  
Medium parameters used (interpolated):  $f = 915.25$  MHz;  $\sigma = 1$  S/m;  $\epsilon_r = 41.361$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.99, 8.99, 8.99) @ 915.25 MHz; Calibrated: 5/4/2023 Electronics: DAE4  
Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1837  
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2023-11-01; Ambient Temp: 20.7; Tissue Temp: 21.1

**1.6 cm space from Body, Front, RFID Ch. 26, Ant Internal**

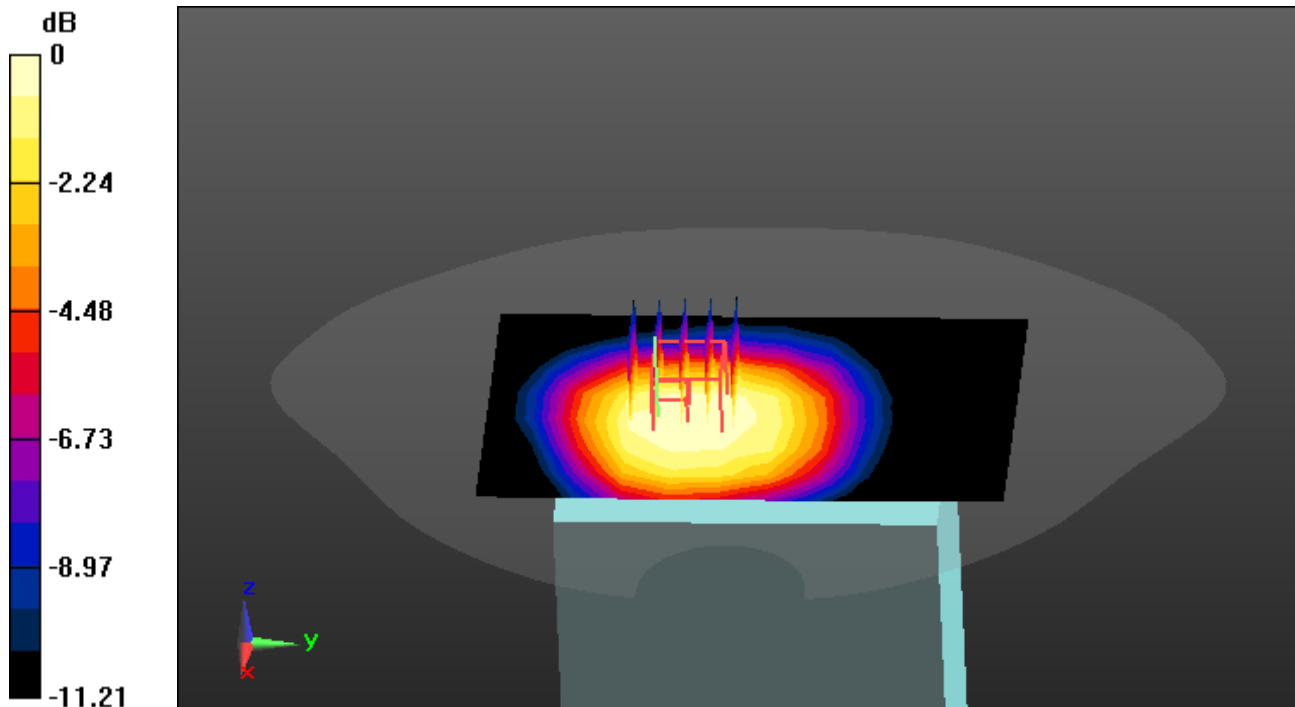
**Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.60 W/kg

**SAR(1 g) = 1.91 W/kg; SAR(10 g) = 1.38 W/kg**



0 dB = 2.31 W/kg