

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

**DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d175**

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.066 \text{ S/m}$ ;  $\epsilon_r = 54.528$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 5/31/2018; Electronics: DAE4 Sn1392

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM 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: 2019-03-14; Ambient Temp: 20.6; Tissue Temp: 21.0

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

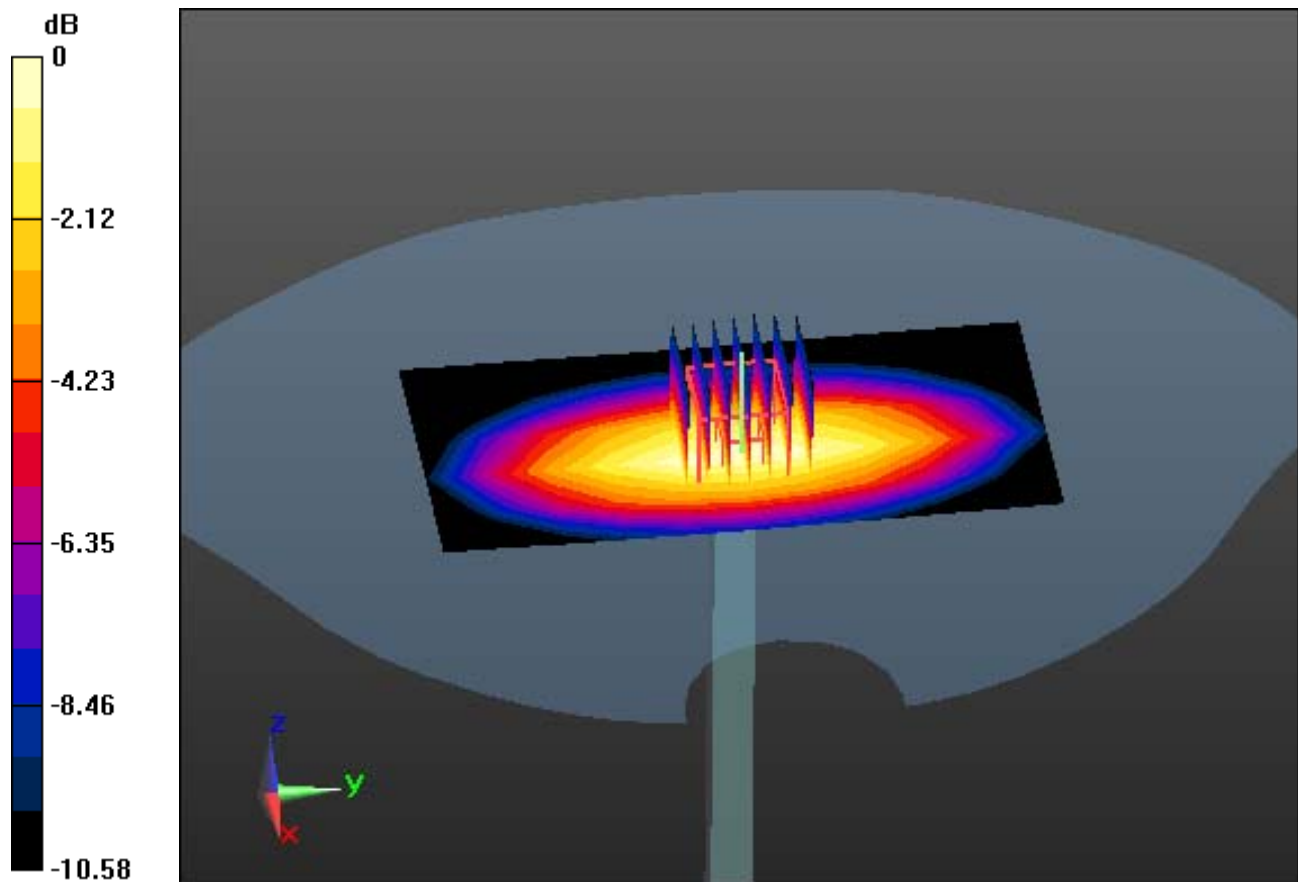
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.81 W/kg

**SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.64 W/kg**



0 dB = 2.95 W/kg

## DT&C Co., Ltd.

**DUT: RFR900S; Type: gun**

Communication System: UID 0, RFID(FCC) (0); Frequency: 914.75 MHz; Duty Cycle: 1:1.925  
Medium parameters used (interpolated):  $f = 914.75$  MHz;  $\sigma = 1.081$  S/m;  $\epsilon_r = 54.389$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 5/31/2018; Electronics: DAE4 Sn1392  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-14; Ambient Temp: 20.6; Tissue Temp: 21.0

**Touch from Body, Left, RFID Ch. 25, Ant Internal**

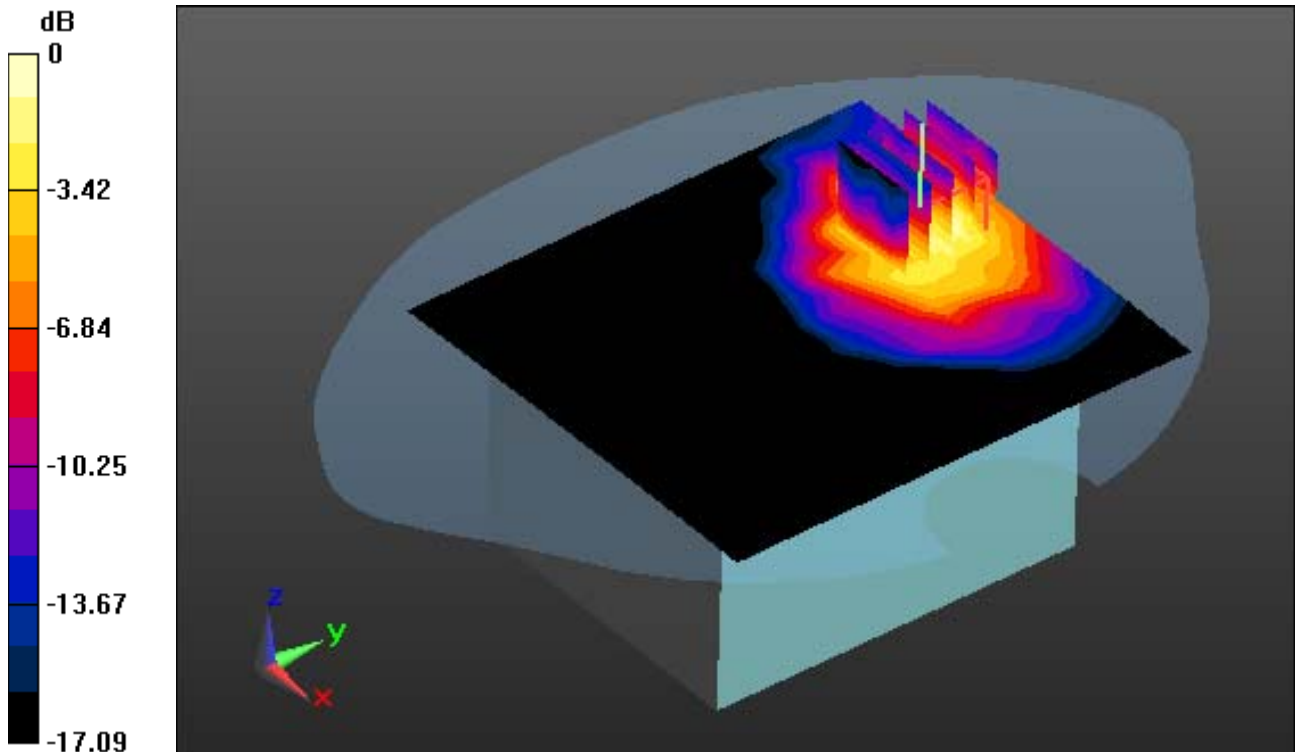
**Area Scan (11x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.54 W/kg

**SAR(1 g) = 1.9 W/kg; SAR(10 g) = 1.06 W/kg**



0 dB = 2.81 W/kg