# SAR Plots

- Verification Plots
- SAR Test Plots

# DT&C Co., Ltd.

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

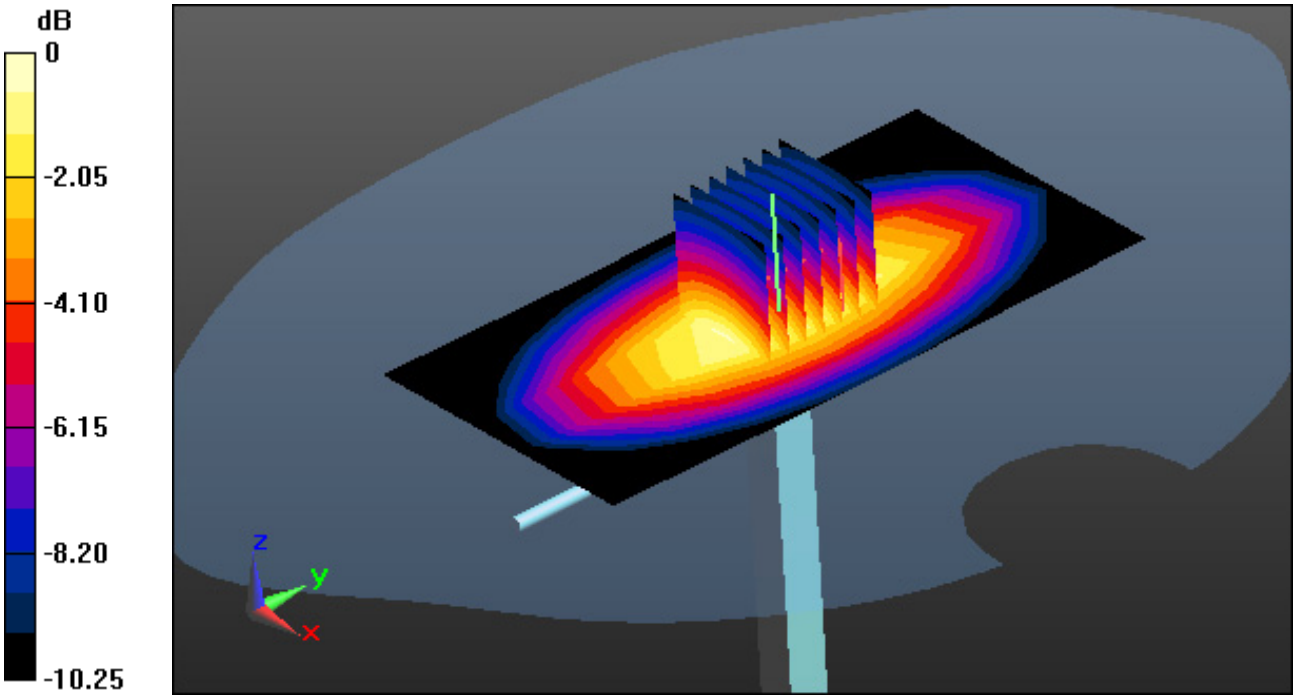
Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 900 MHz; $\sigma$ = 0.984 S/m; $\varepsilon_r$ = 42.082; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: ES3DV3 - SN3328; ConvF(6.01, 6.01, 6.01) @ 900 MHz; Calibrated: 3/25/2020 Electronics: DAE4 Sn1392
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-10-27; Ambient Temp: 21.1; Tissue Temp: 21.4

## 900 MHz System Verification (250 mW)

**Area Scan (6x11x1):** 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) = 4.27 W/kg
**SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.83 W/kg**




0 dB = 2.93 W/kg

# DT&C Co., Ltd.

## DUT: RF851;  Type: Gun

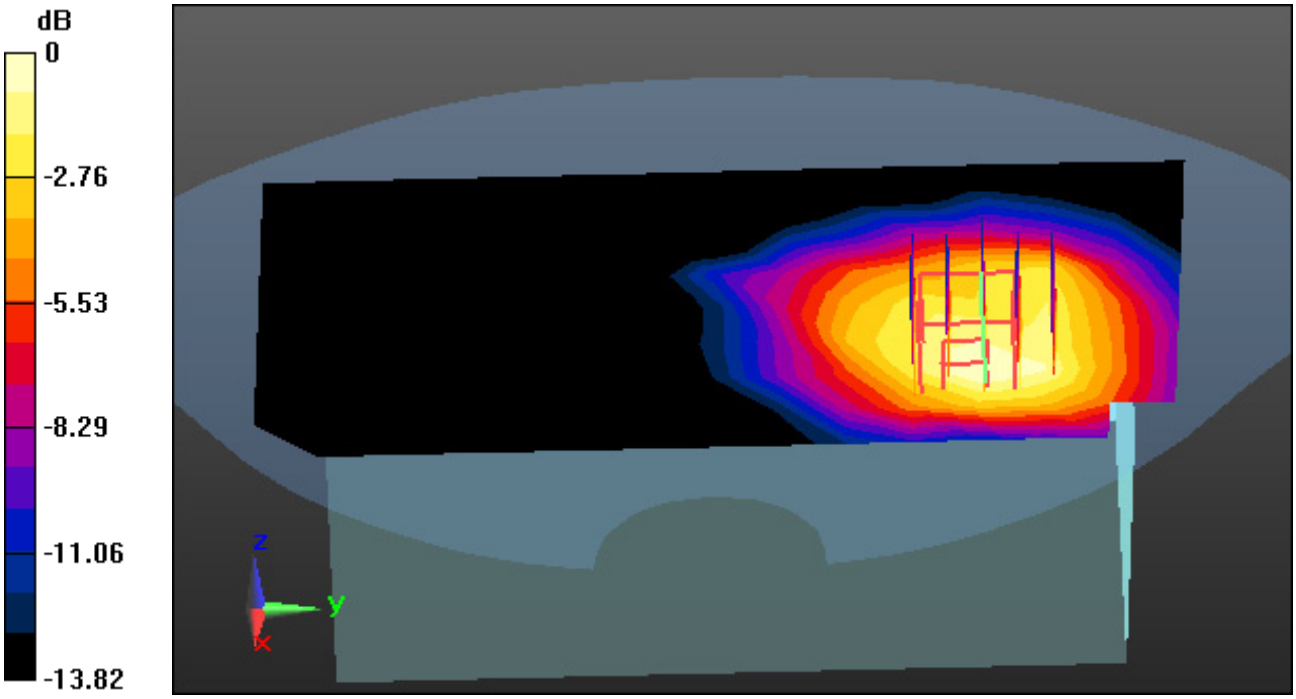
Communication System: UID 0, RFID(RF851) (0); Frequency: 915.25 MHz;Duty Cycle: 1:3.306
Medium parameters used (interpolated): f = 915.25 MHz; $\sigma$ = 0.999 S/m; $\varepsilon_r$ = 41.915; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: ES3DV3 - SN3328; ConvF(6.01, 6.01, 6.01) @ 915.25 MHz; Calibrated: 3/25/2020 Electronics: DAE4 Sn1392
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-10-27; Ambient Temp: 21.1; Tissue Temp: 21.4

## Touch from Body, Left, RFID Ch. 26, Ant Internal

**Area Scan (9x15x1):** 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) = 1.52 W/kg
**SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.532 W/kg**




0 dB = 1.22 W/kg