

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: $f = 900 \text{ MHz}$; $\sigma = 1.026 \text{ S/m}$; $\epsilon_r = 53.265$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.18, 6.18, 6.18); Calibrated: 3/21/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 3mm (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: 2018-12-05; Ambient Temp: 21.2; Tissue Temp: 21.5

900 MHz System Verification (250mW)

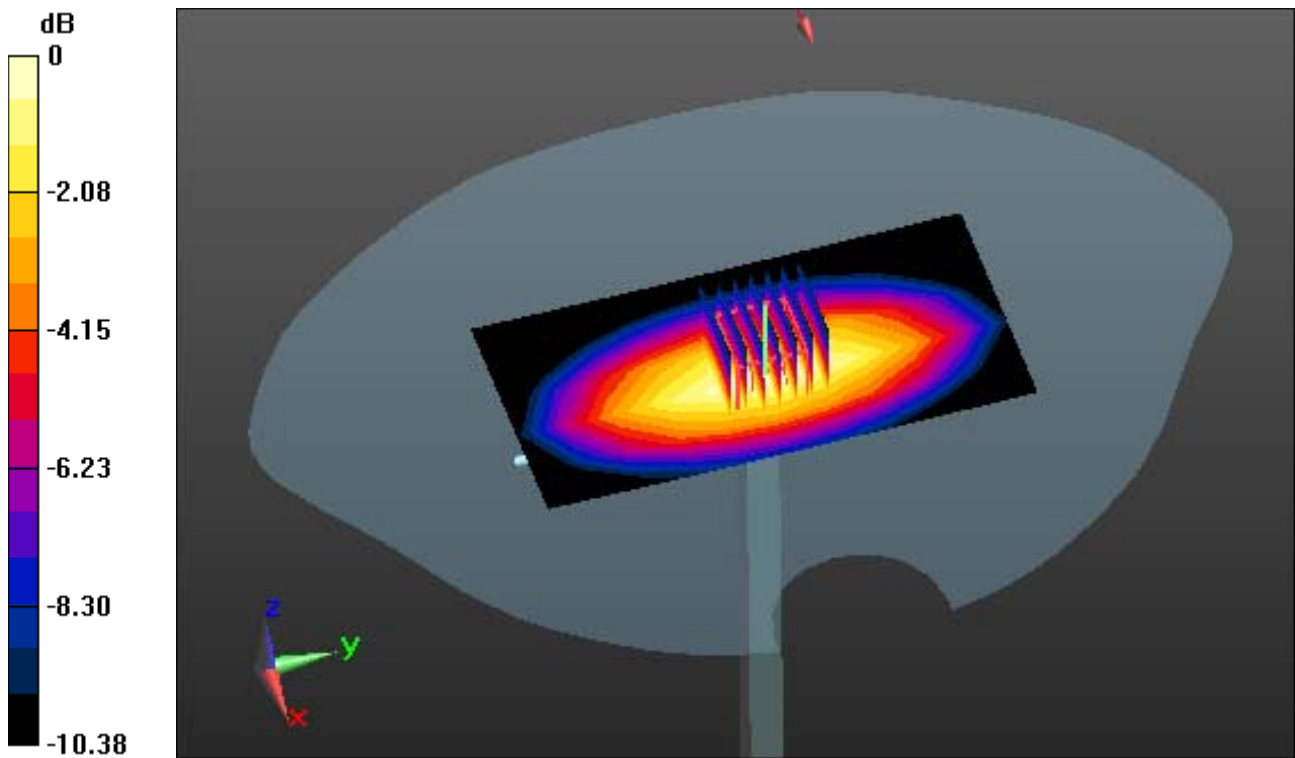
Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.84 W/kg

SAR(1 g) = 2.89 W/kg; SAR(10 g) = 1.78 W/kg



0 dB = 2.86 W/kg

DT&C Co., Ltd.

DUT: DOTR-3000; Type: gun

Communication System: UID 0, RFID(FCC) (0); Frequency: 914.75 MHz; Duty Cycle: 1:4.844
Medium parameters used (interpolated): $f = 914.75$ MHz; $\sigma = 1.04$ S/m; $\epsilon_r = 53.082$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.18, 6.18, 6.18); Calibrated: 3/21/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 3mm (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: 2018-12-05; Ambient Temp: 21.2; Tissue Temp: 21.5

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

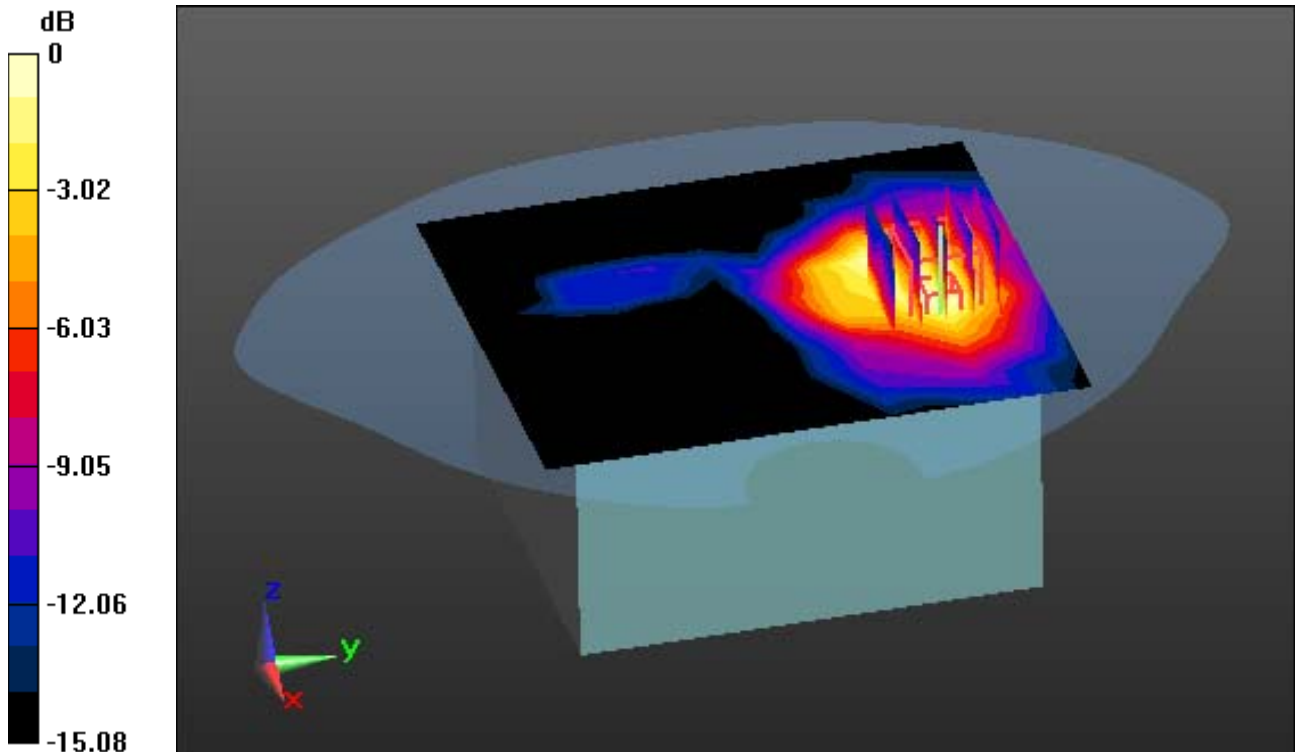
Area Scan (11x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.960 W/kg

SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.375 W/kg



0 dB = 0.794 W/kg