

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: $f = 900 \text{ MHz}$; $\sigma = 0.964 \text{ S/m}$; $\epsilon_r = 41.423$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.2, 9.2, 9.2); Calibrated: 4/29/2022 Electronics: DAE4 Sn1453
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-11-29; Ambient Temp: 20.8; Tissue Temp: 20.7

900 MHz System Verification (250 mW)

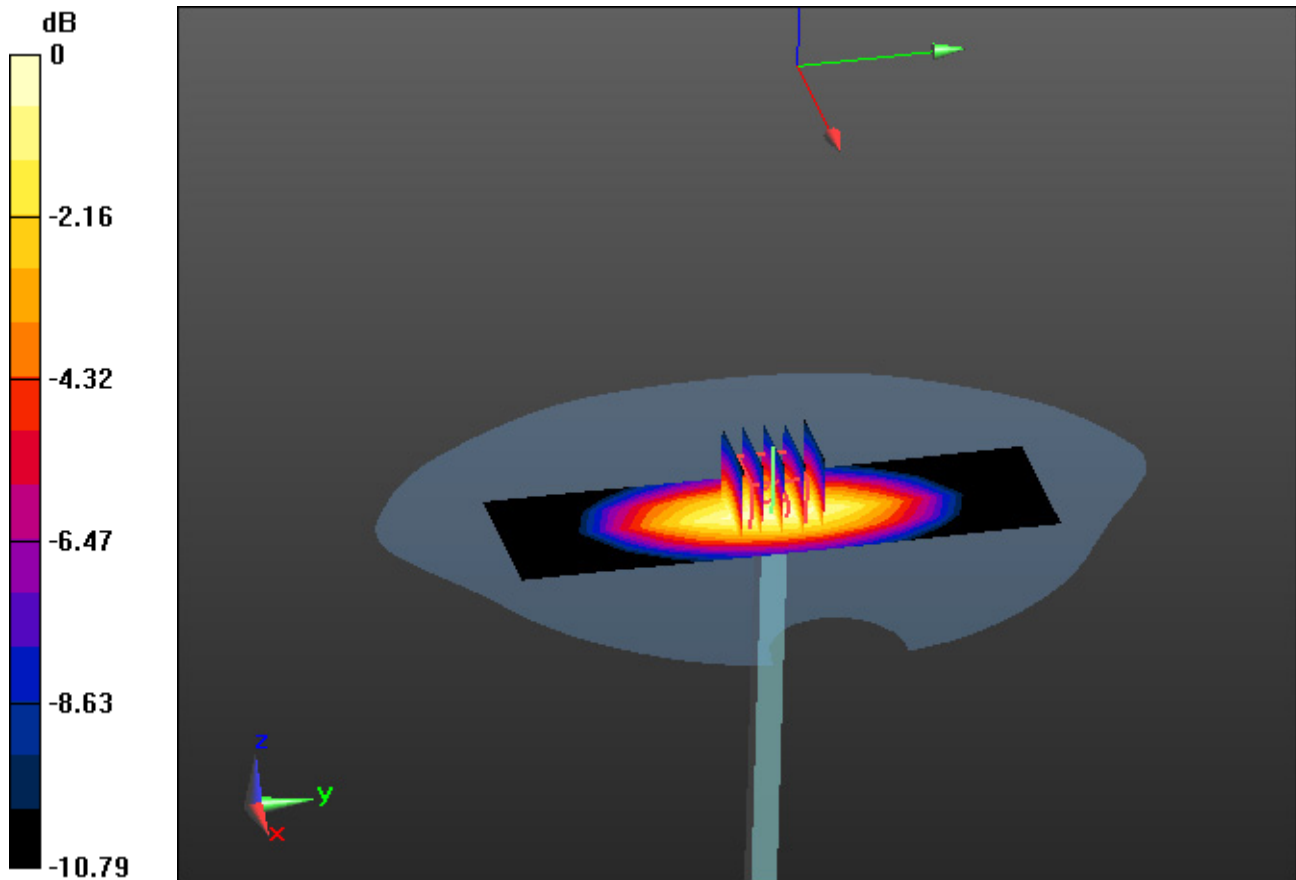
Area Scan (5x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 4.04 W/kg

SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.8 W/kg



0 dB = 3.46 W/kg

Dt&C Co., Ltd.

DUT: ASR-X23XX; Type: Bar

Communication System: UID 0, RFID FCC (0); Frequency: 921.9 MHz; Duty Cycle: 1:2.849

Medium parameters used: $f = 921.9 \text{ MHz}$; $\sigma = 0.991 \text{ S/m}$; $\epsilon_r = 41.072$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.2, 9.2, 9.2); Calibrated: 4/29/2022 Electronics: DAE4 Sn1453

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-11-29; Ambient Temp: 20.8; Tissue Temp: 20.7

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

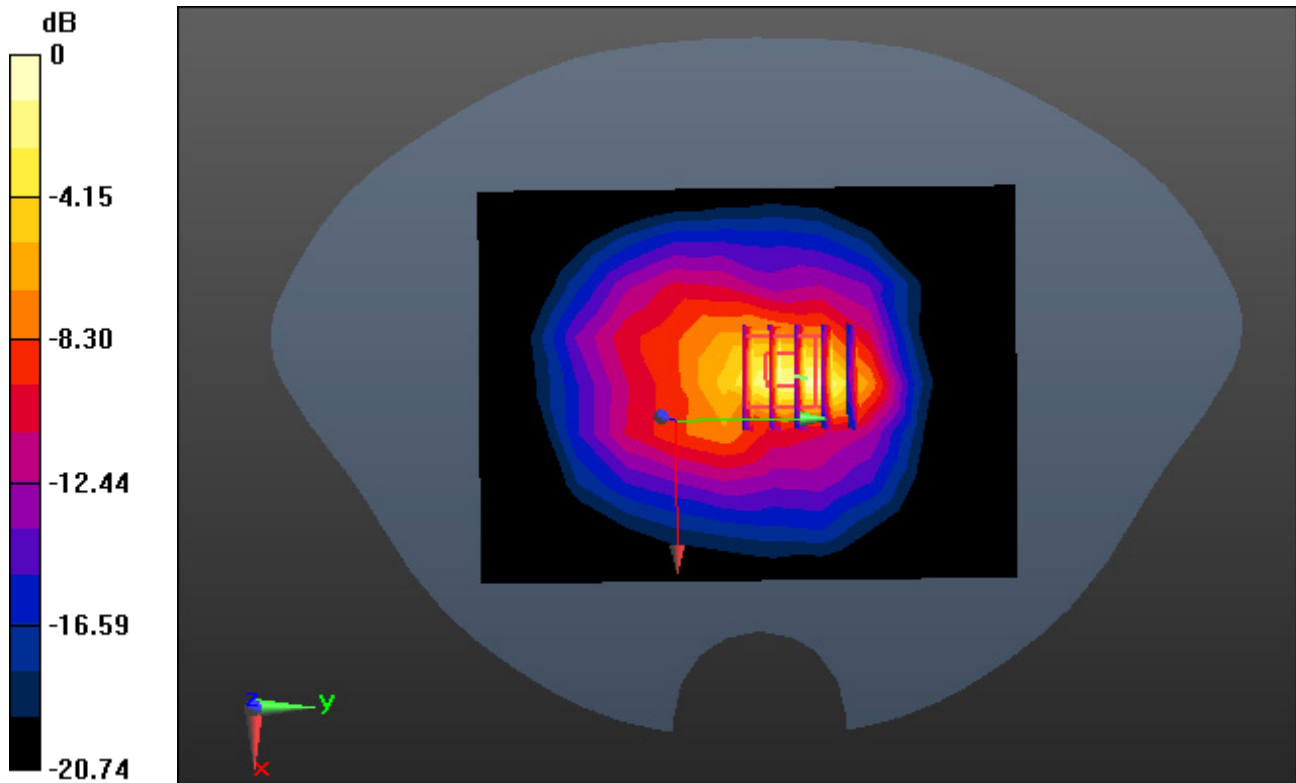
Area Scan (9x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 6.06 W/kg

SAR(1 g) = 2.96 W/kg; SAR(10 g) = 1.49 W/kg



0 dB = 4.06 W/kg