

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: $f = 900 \text{ MHz}$; $\sigma = 0.987 \text{ S/m}$; $\epsilon_r = 41.526$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.14, 10.14, 10.14) @ 900 MHz; Calibrated: 9/27/2022 Electronics: DAE4
Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2022-10-31; Ambient Temp: 20.2; Tissue Temp: 20.7

900 MHz System Verification(250mW)

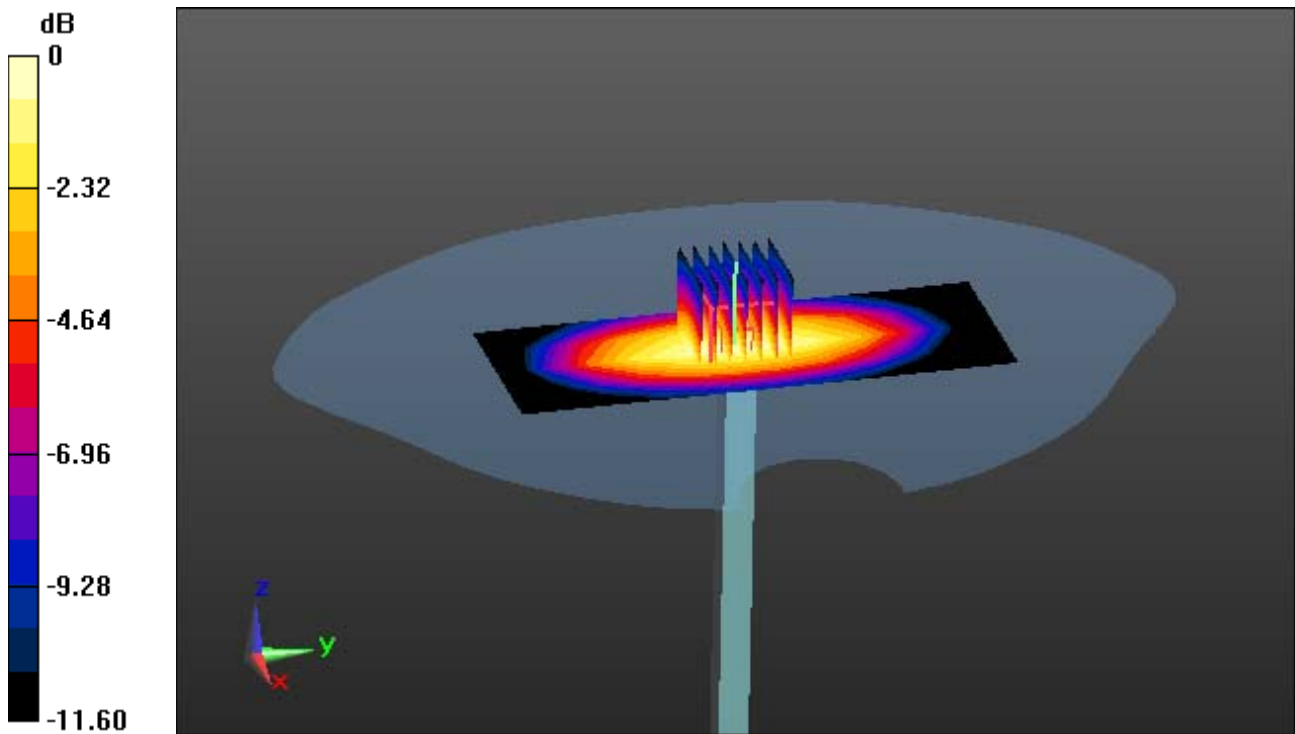
Area Scan (5x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 4.31 W/kg

SAR(1 g) = 2.65 W/kg; SAR(10 g) = 1.75 W/kg



0 dB = 3.63 W/kg

DT&C Co., Ltd.

DUT: R-5000; Type: RFID Reader

Communication System: UID 0, RFID R5000 (0); Frequency: 915.25 MHz; Duty Cycle: 1:3.313

Medium parameters used: $f = 915.25$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 41.361$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.14, 10.14, 10.14) @ 915.25 MHz; Calibrated: 9/27/2022 Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2022-10-31; Ambient Temp: 20.2; Tissue Temp: 20.7

Touch from Body, Right, RFID Ch. 26, Ant Internal

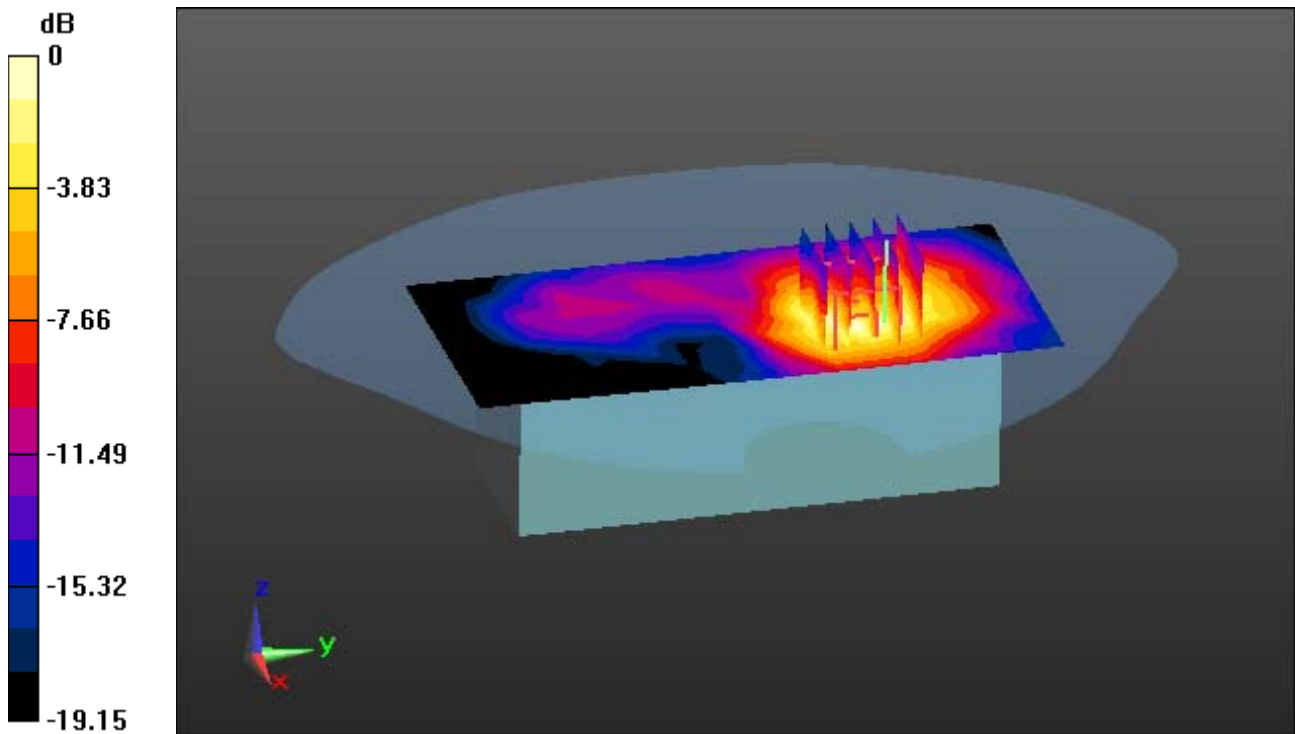
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.607 W/kg



0 dB = 1.74 W/kg