

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: 900 MHz Dipole; Type: D900V2; Serial: SN1d175

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.965 \text{ S/m}$; $\epsilon_r = 40.255$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.12, 10.12, 10.12) @ 900 MHz; Calibrated: 10/19/2021 Electronics: DAE4
Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM (20deg probe tilt) 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: 2022-08-17; Ambient Temp: 21.1; Tissue Temp: 20.7

900 MHz System Verification (250 mW)

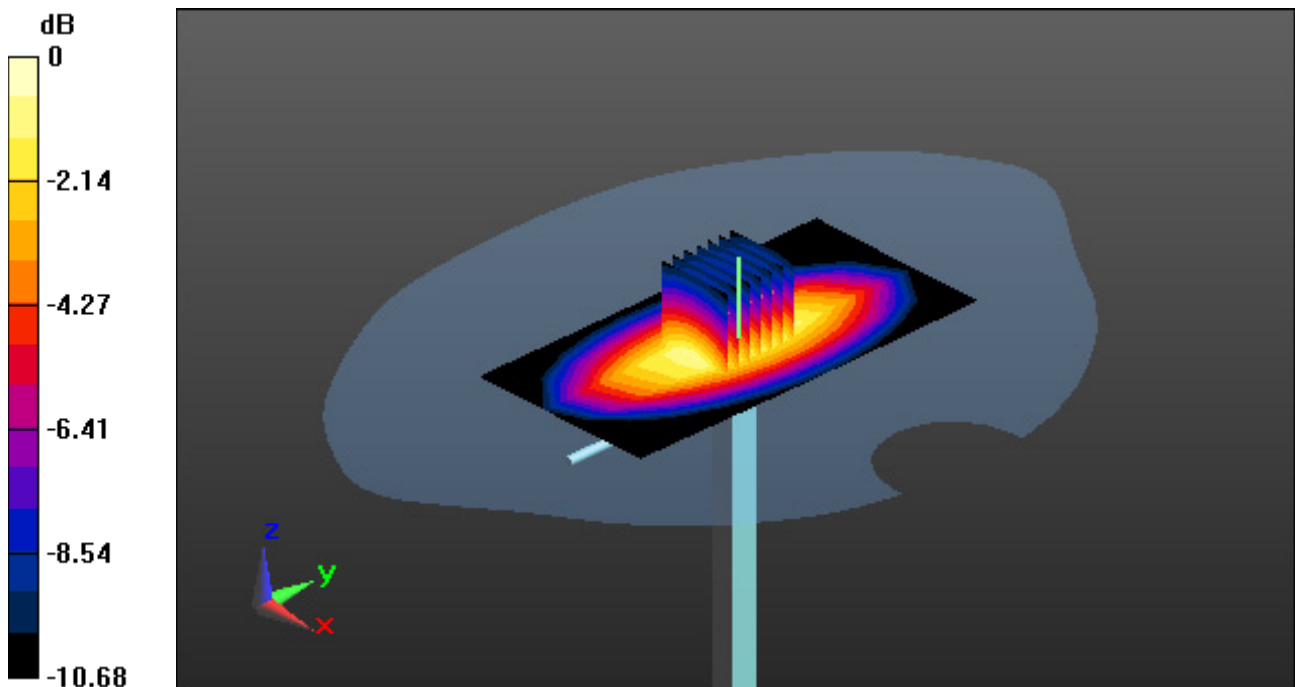
Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 3.53 W/kg

SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.67 W/kg



DT&C Co., Ltd.

DUT: ASR-X3XD; Type: Bar

Communication System: UID 0, ASR_FCC (0); Frequency: 921.9 MHz; Duty Cycle: 1:3.333

Medium parameters used: $f = 921.9$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 40.126$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.12, 10.12, 10.12) @ 921.9 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM (20deg probe tilt) 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: 2022-08-17; Ambient Temp: 21.1; Tissue Temp: 20.7

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

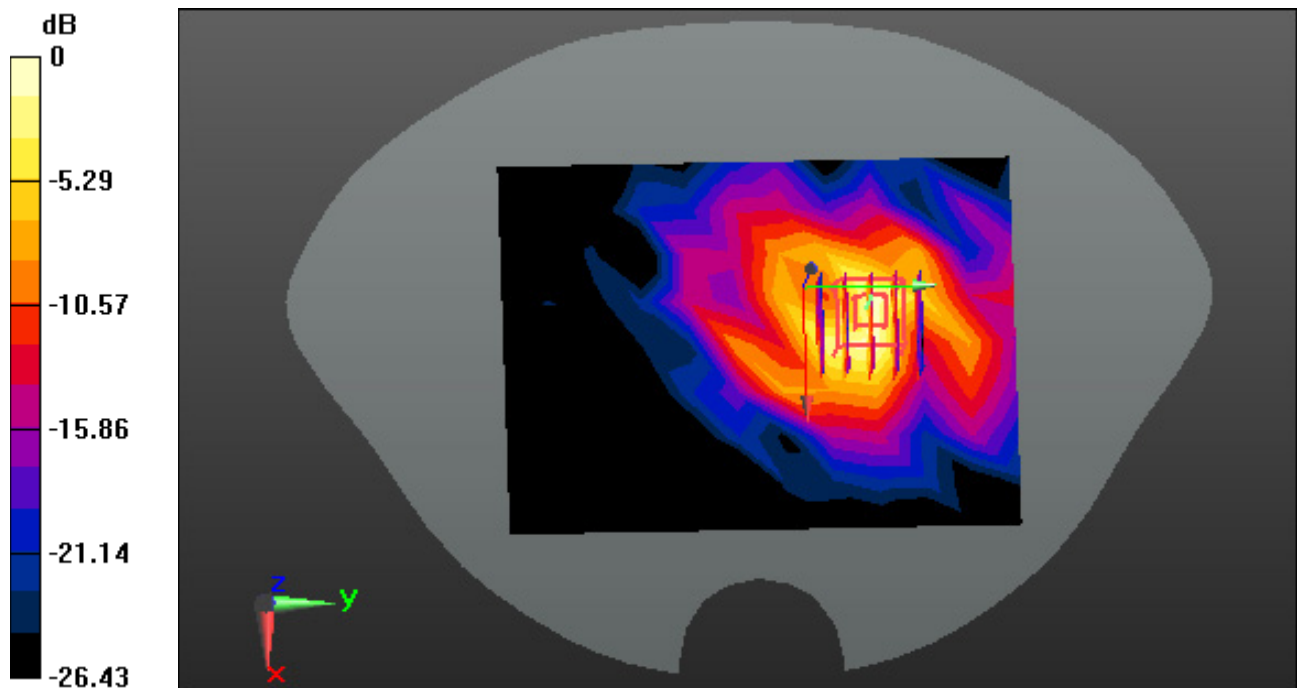
Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.86 W/kg

SAR(1 g) = 2.25 W/kg; SAR(10 g) = 0.914 W/kg



0 dB = 3.25 W/kg