

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d146

Communication System: UID 0, CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.077 \text{ S/m}$; $\epsilon_r = 53.889$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.14, 10.14, 10.14); Calibrated: 9/27/2019 Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

900 MHz System Verification (250 mW)

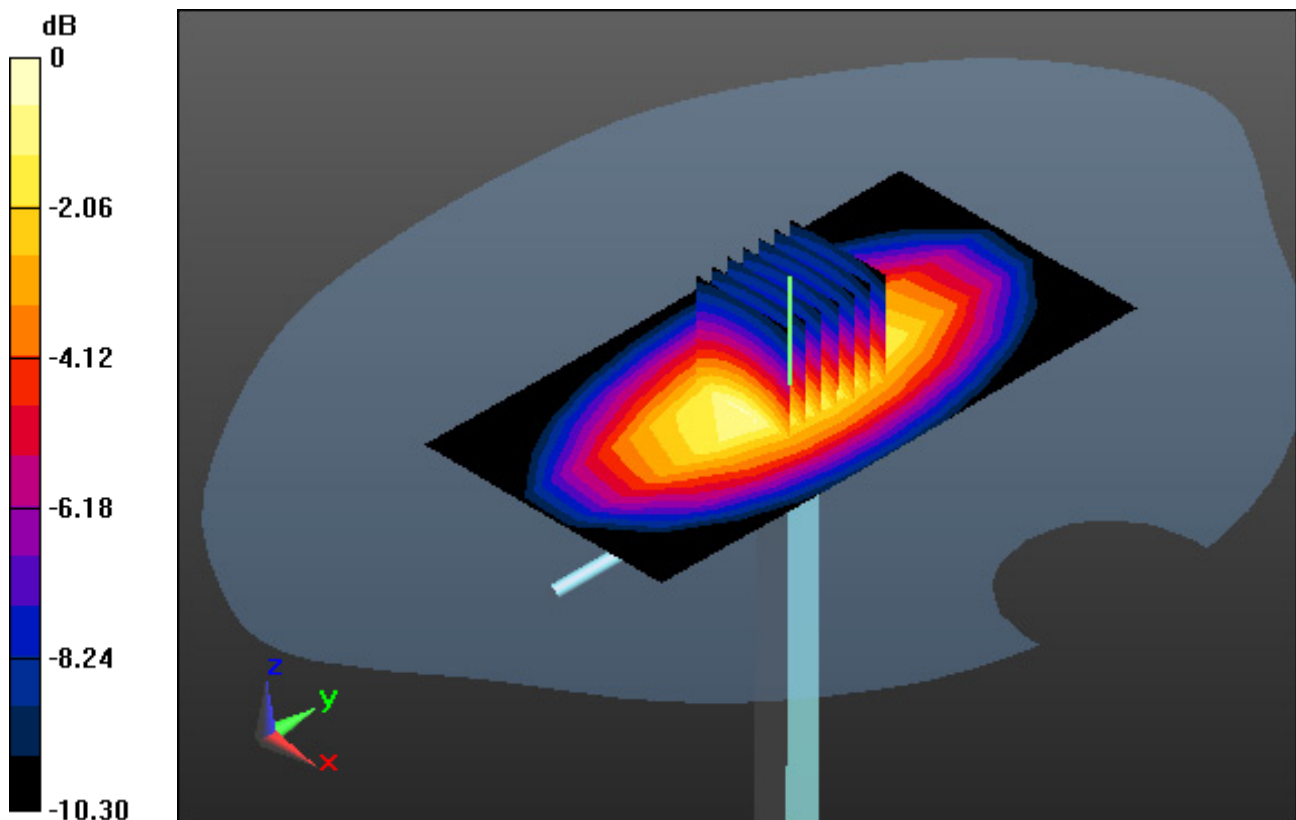
Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.98 W/kg

SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.75 W/kg



0 dB = 2.93 W/kg

DT&C Co., Ltd.

DUT: ASR-L251G-XX; Type: Gun

Communication System: UID 0, RFID (0); Frequency: 914.75 MHz; Duty Cycle: 1:3.817

Medium parameters used (interpolated): $f = 914.75$ MHz; $\sigma = 1.092$ S/m; $\epsilon_r = 53.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.14, 10.14, 10.14); Calibrated: 9/27/2019 Electronics: DAE4 Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

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

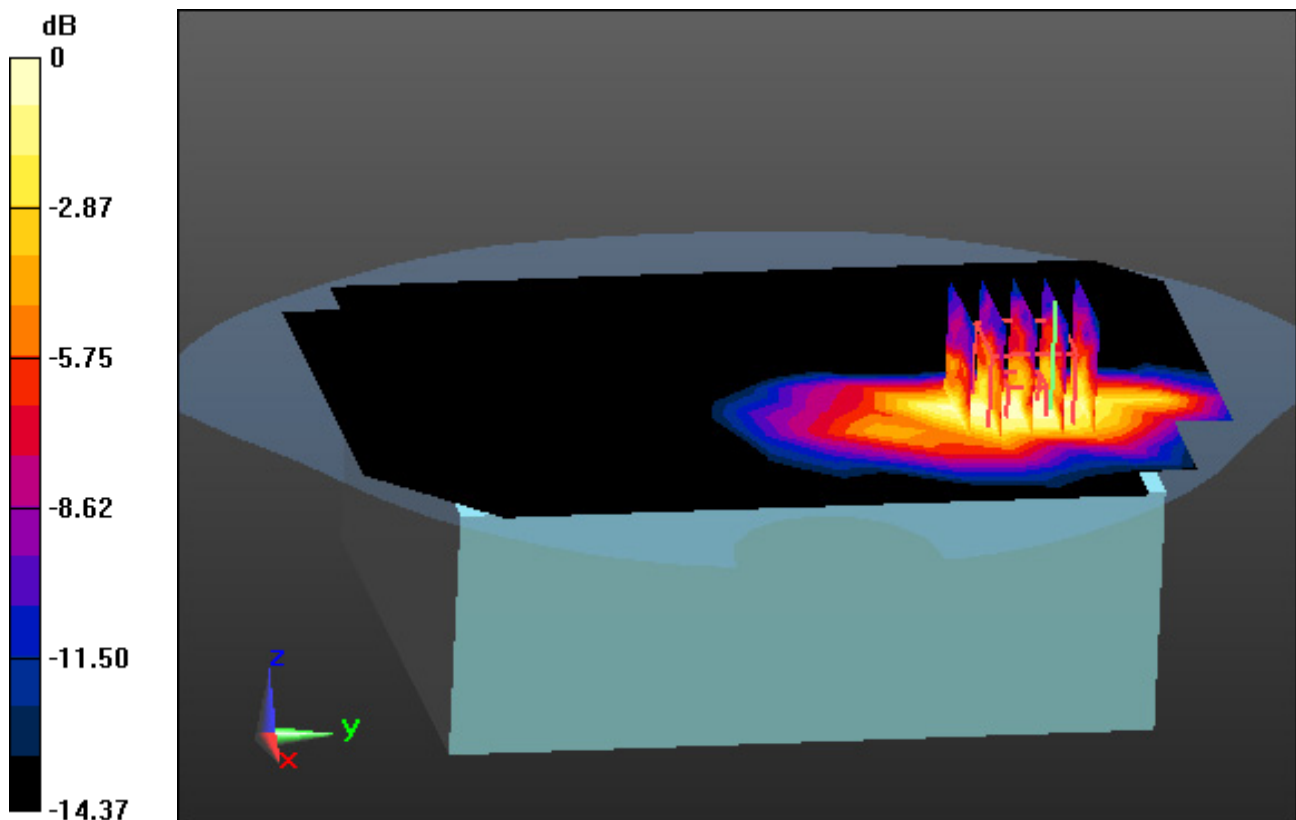
Area Scan (11x16x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.61 W/kg

SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.66 W/kg



0 dB = 3.84 W/kg