

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: D900V2 - SN1d146; Type: D900V2; Serial: SN1d146

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.938 \text{ S/m}$; $\epsilon_r = 42.486$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.16, 6.16, 6.16); Calibrated: 2019-03-28; Electronics: DAE3 Sn519
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-30; Ambient Temp: 21.4; Tissue Temp: 21.2

900 MHz System Verification (250 mW)

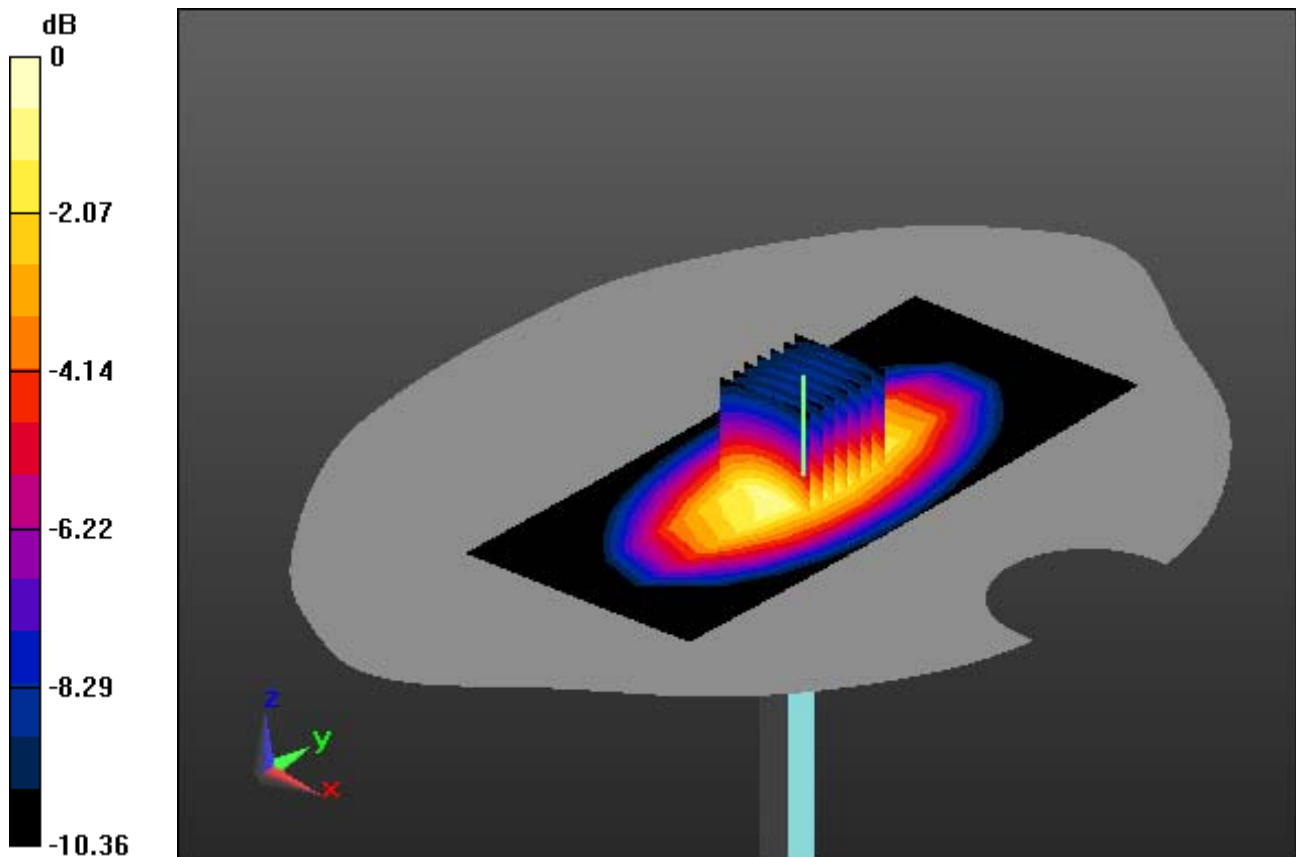
Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 4.00 W/kg

SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.79 W/kg



0 dB = 3.20 W/kg

DT&C Co., Ltd.

DUT: ASR-X23XD; Type: Bar

Communication System: UID 0, ASR-X23XD RFID (0); Frequency: 921.9 MHz; Duty Cycle: 1:5.28

Medium parameters used: $f = 921.9$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 42.205$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.16, 6.16, 6.16); Calibrated: 2019-03-28; Electronics: DAE3 Sn519
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-30; Ambient Temp: 21.4; Tissue Temp: 21.2

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

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.578 W/kg

