

SAR Plots

- Verification Plots
- SAR Test Plots

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d138

Communication System: CW (0); Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.065 \text{ S/m}$; $\epsilon_r = 54.284$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(9.77, 9.77, 9.77); Calibrated: 9/10/2013; Electronics: DAE4 Sn1394
Phantom: ELI v5.0_2014_02_13; Type: QDOVA002AA; Serial: TP:1237
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-06-26; Ambient Temp: 21.3; Tissue Temp: 21.5

900 MHz System Verification

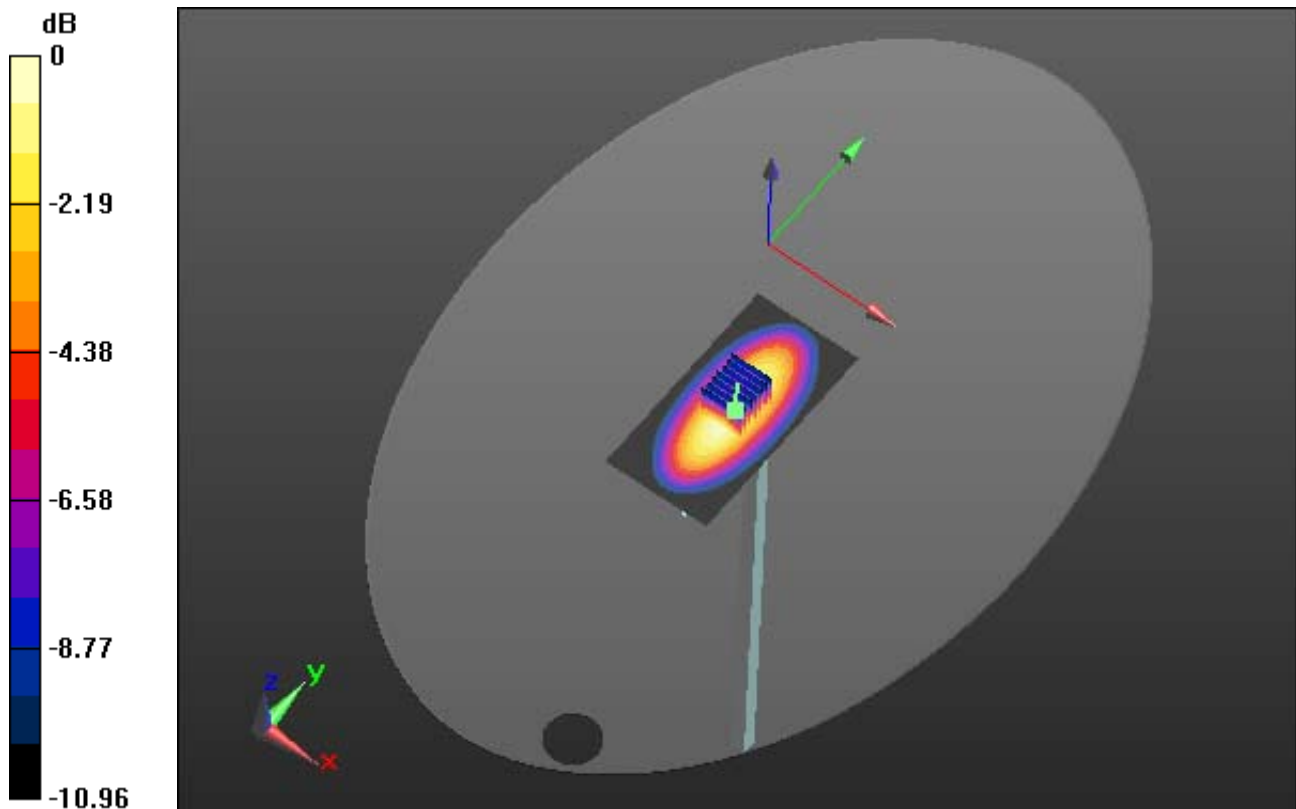
Area Scan (51x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 3.87 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.57 W/kg



0 dB = 2.69 W/kg

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d138

Communication System: CW (0); Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.065 \text{ S/m}$; $\epsilon_r = 54.284$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(9.77, 9.77, 9.77); Calibrated: 9/10/2013; Electronics: DAE4 Sn1394
Phantom: ELI v5.0 2014_02_13; Type: QDOVA002AA; Serial: TP:1237
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-06-26; Ambient Temp: 21.3; Tissue Temp: 21.5

900 MHz System Verification

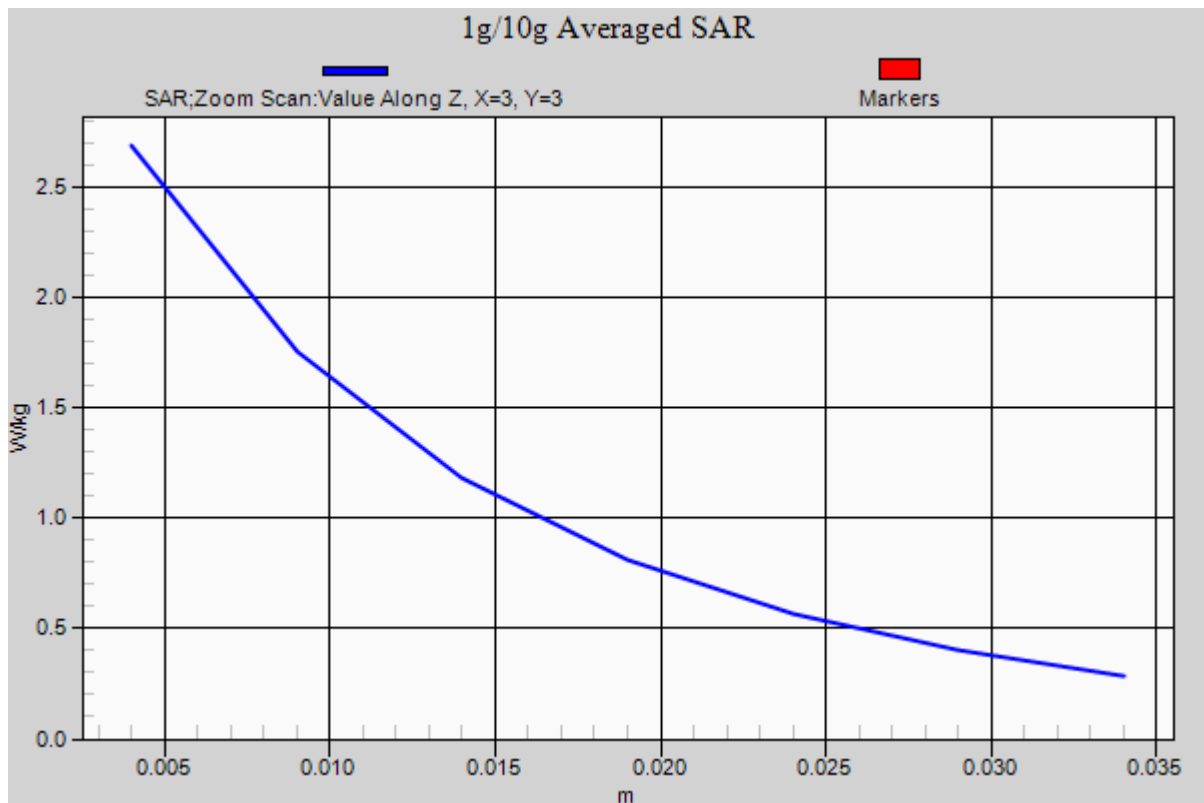
Area Scan (51x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 3.87 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.57 W/kg



DUT: NTRM-U-2; Type: RFID Reader

Communication System: RFID; Frequency: 910.2 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 910.2$ MHz; $\sigma = 1.075$ S/m; $\epsilon_r = 54.219$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(9.77, 9.77, 9.77); Calibrated: 9/10/2013; Electronics: DAE4 Sn1394
Phantom: ELI v5.0_2014_02_13; Type: QDOVA002AA; Serial: TP:1237
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-06-26; Ambient Temp: 21.3; Tissue Temp: 21.5

Touch from Body, Rear, RFID Ch. F1, Ant Internal

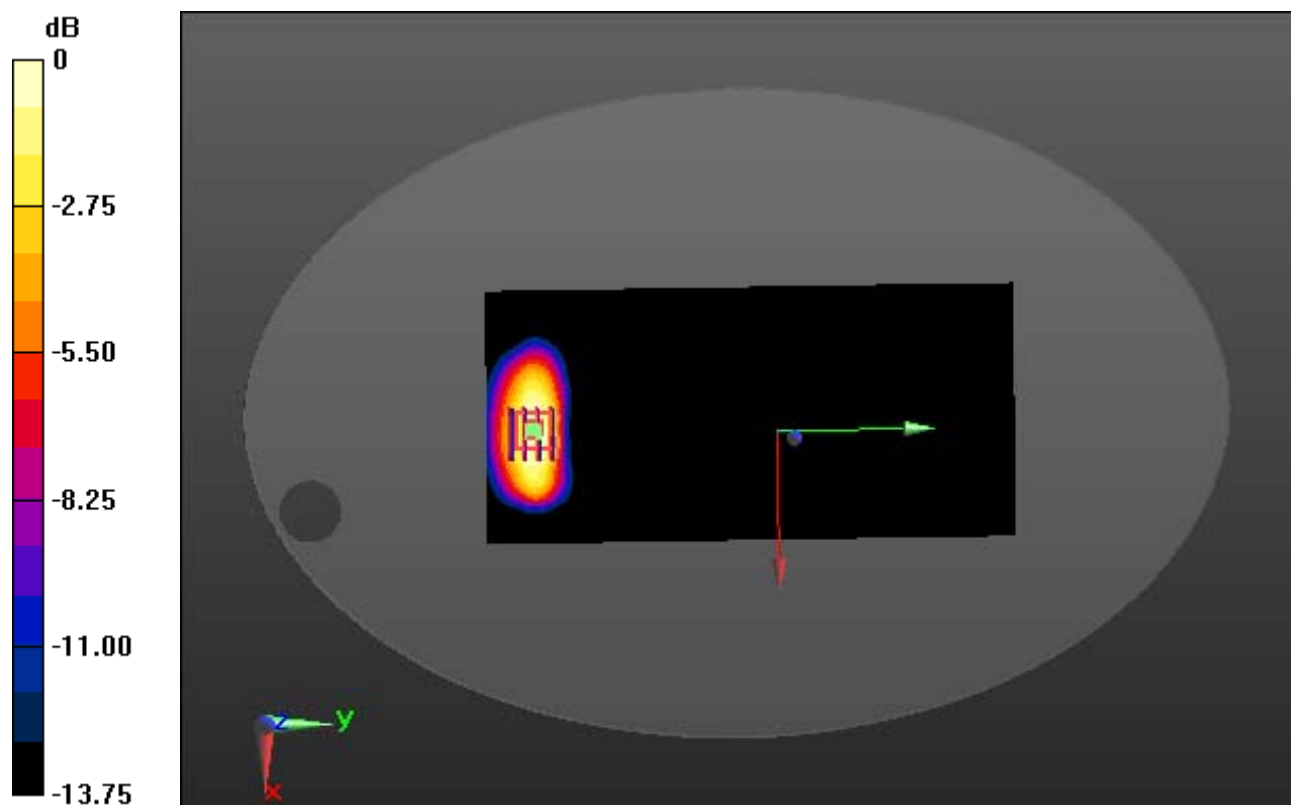
Area Scan (101x211x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 8.12 W/kg

SAR(1 g) = 4.48 W/kg; SAR(10 g) = 2.59 W/kg



0 dB = 6.25 W/kg

DUT: NTRM-U-2; Type: RFID Reader

Communication System: RFID; Frequency: 910.2 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 910.2$ MHz; $\sigma = 1.075$ S/m; $\epsilon_r = 54.219$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(9.77, 9.77, 9.77); Calibrated: 9/10/2013; Electronics: DAE4 Sn1394
Phantom: ELI v5.0 2014_02_13; Type: QDOVA002AA; Serial: TP:1237
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-06-26; Ambient Temp: 21.3; Tissue Temp: 21.5

Touch from Body, Rear, RFID Ch. F1, Ant Internal

Area Scan (101x211x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 8.12 W/kg
SAR(1 g) = 4.48 W/kg; SAR(10 g) = 2.59 W/kg

