SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

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

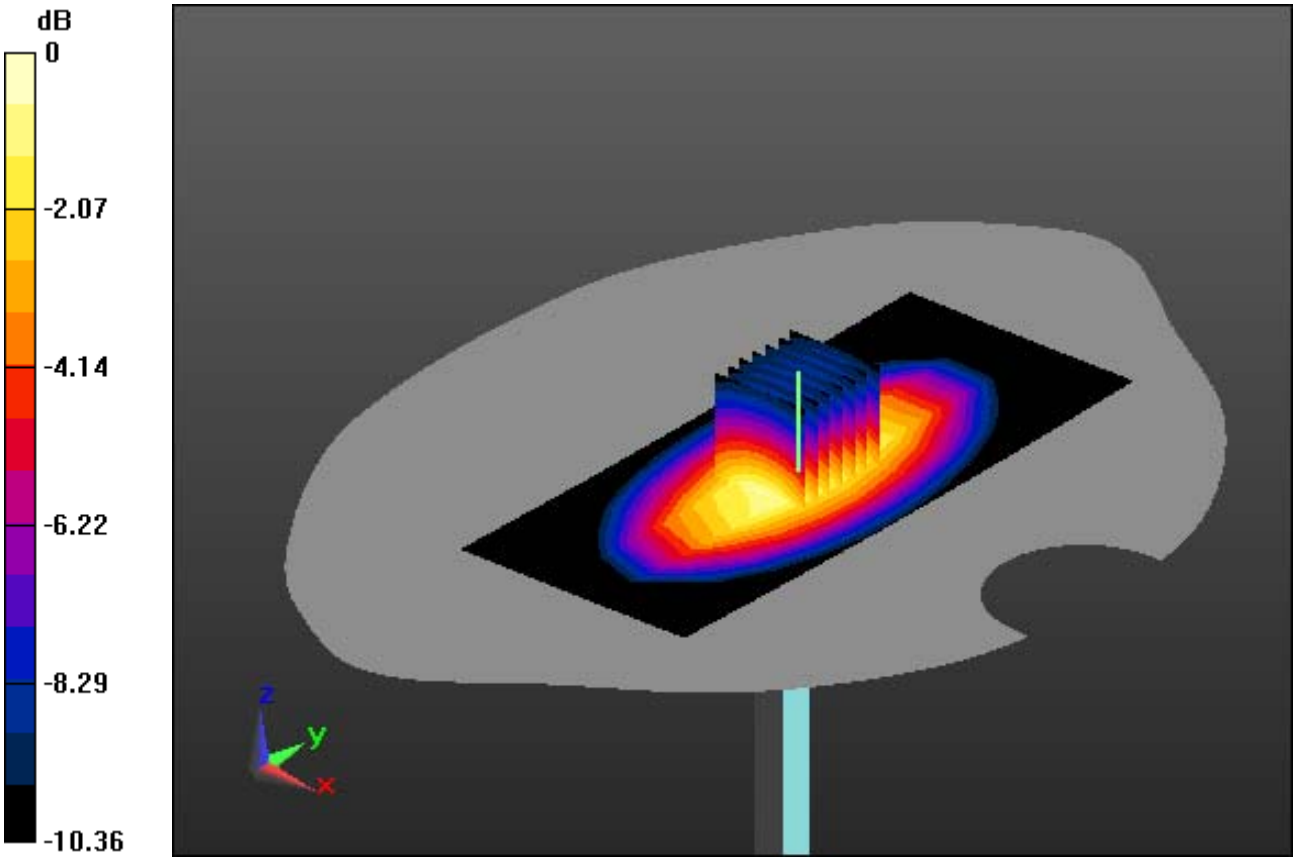
Communication System: UID 0, CW (0); Frequency: 900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 900 MHz; σ = 0.938 S/m; ε_r = 42.486; ρ = 1000 kg/m^3
Phantom section: Flat Section

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=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
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

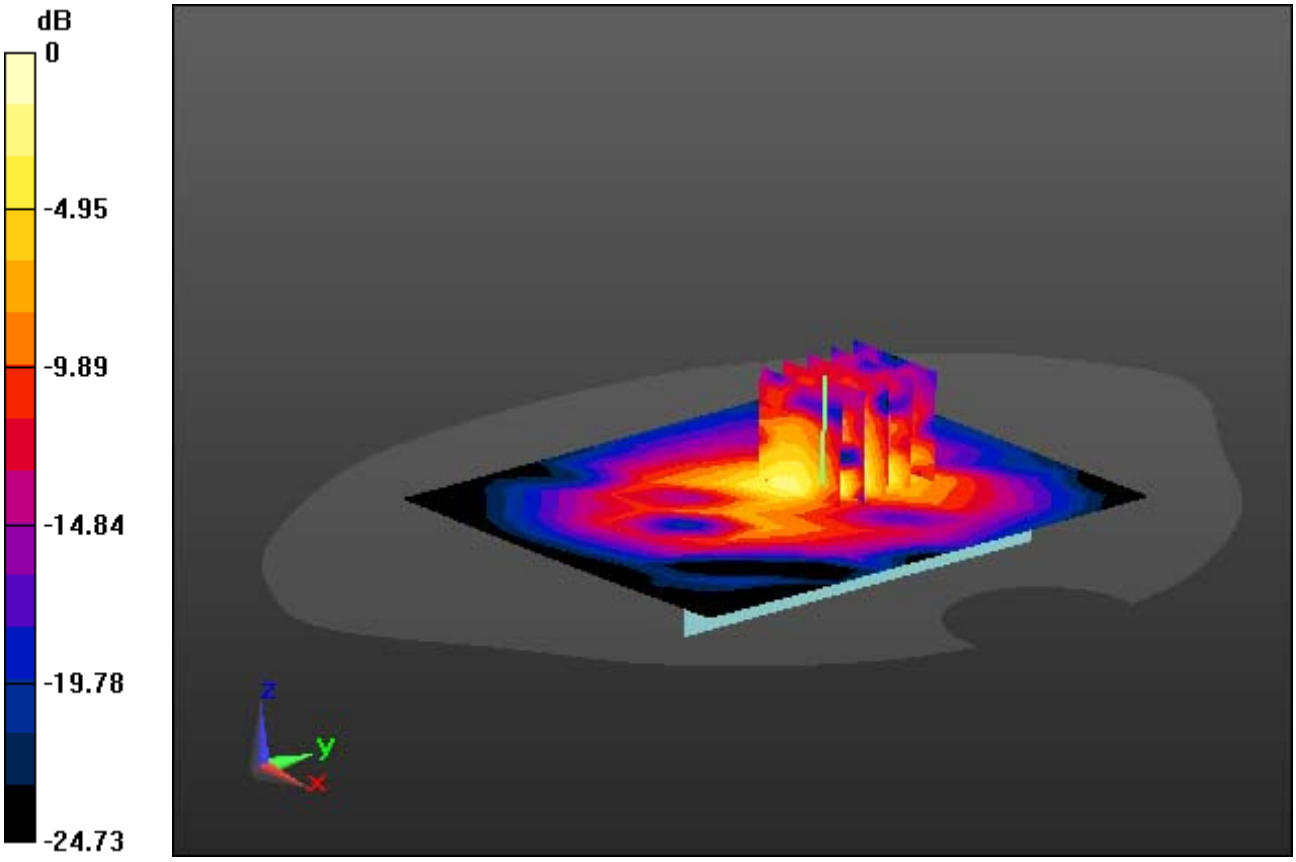
Communication System: UID 0, ASR-X23XD RFID (0); Frequency: 921.9 MHz;Duty Cycle: 1:5.28
Medium parameters used: f = 921.9 MHz; σ = 0.961 S/m; ε_r = 42.205; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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



0 dB = 1.61 W/kg