SAR Plots

- Verification Plots
- SAR Test Plots

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DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d175

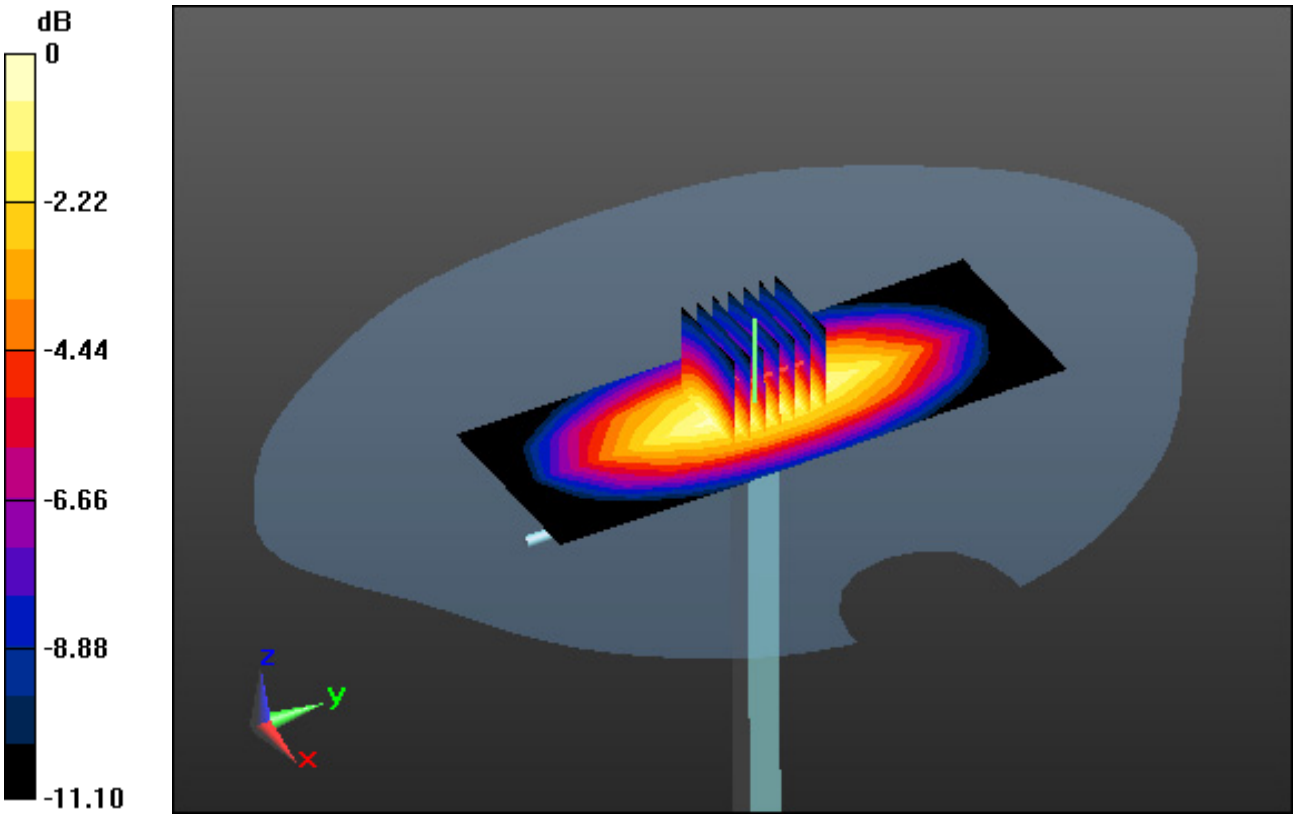
Communication System: UID 0, CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 900 MHz; σ = 0.962 S/m; ε_r = 41.505; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.08, 6.08, 6.08); Calibrated: 1/27/2021 Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2021-04-09; Ambient Temp: 21.1; Tissue Temp: 21.0

900 MHz System Verification (250 mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.95 W/kg
SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.73 W/kg



0 dB = 2.45 W/kg

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DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

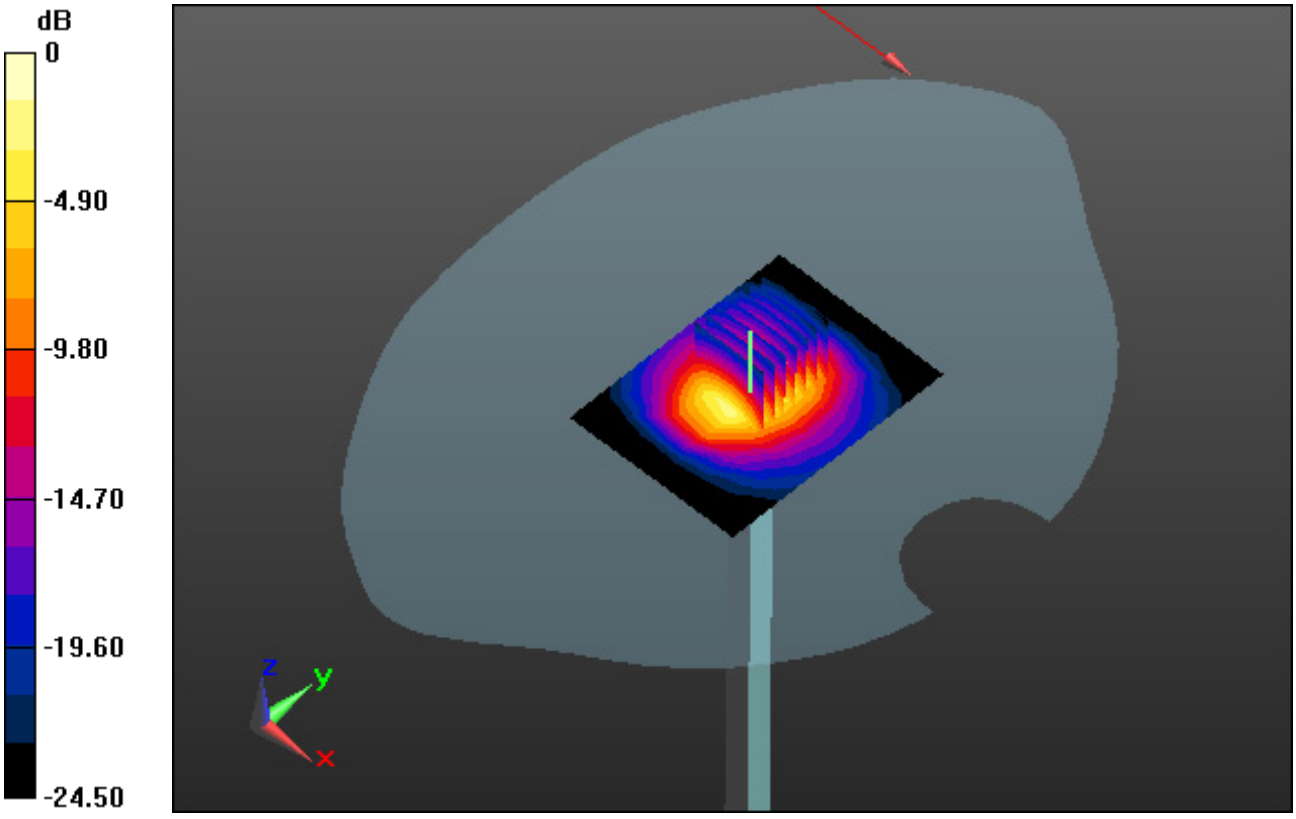
Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.827 S/m; ε_r = 38.827; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7368; ConvF(7.89, 7.89, 7.89); Calibrated: 11/27/2020 Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2021-04-16; Ambient Temp: 20.7; Tissue Temp: 20.6

2450 MHz System Verification (100 mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.47 W/kg



0 dB = 8.34 W/kg

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DUT: RF300; Type: Gun

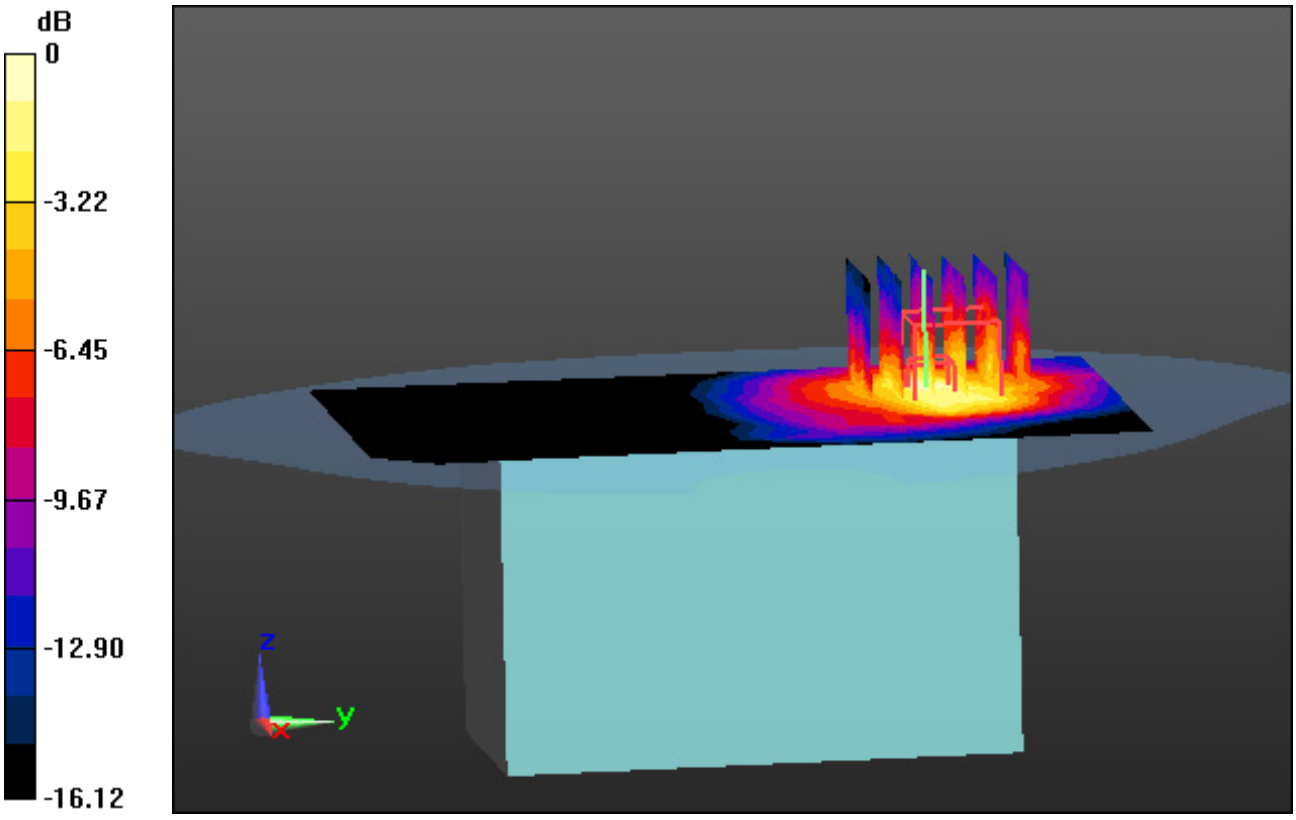
Communication System: UID 0, RFID (0); Frequency: 915.25 MHz;Duty Cycle: 1:3.306
Medium parameters used: f = 915.25 MHz; σ = 0.977 S/m; ε_r = 41.335; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.08, 6.08, 6.08); Calibrated: 1/27/2021 Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2021-04-09; Ambient Temp: 21.1; Tissue Temp: 21.0

Extremity SAR, Right, RFID Ch. 26, Ant Internal

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.60 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.691 W/kg



0 dB = 1.75 W/kg

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DUT: RF300; Type: Gun

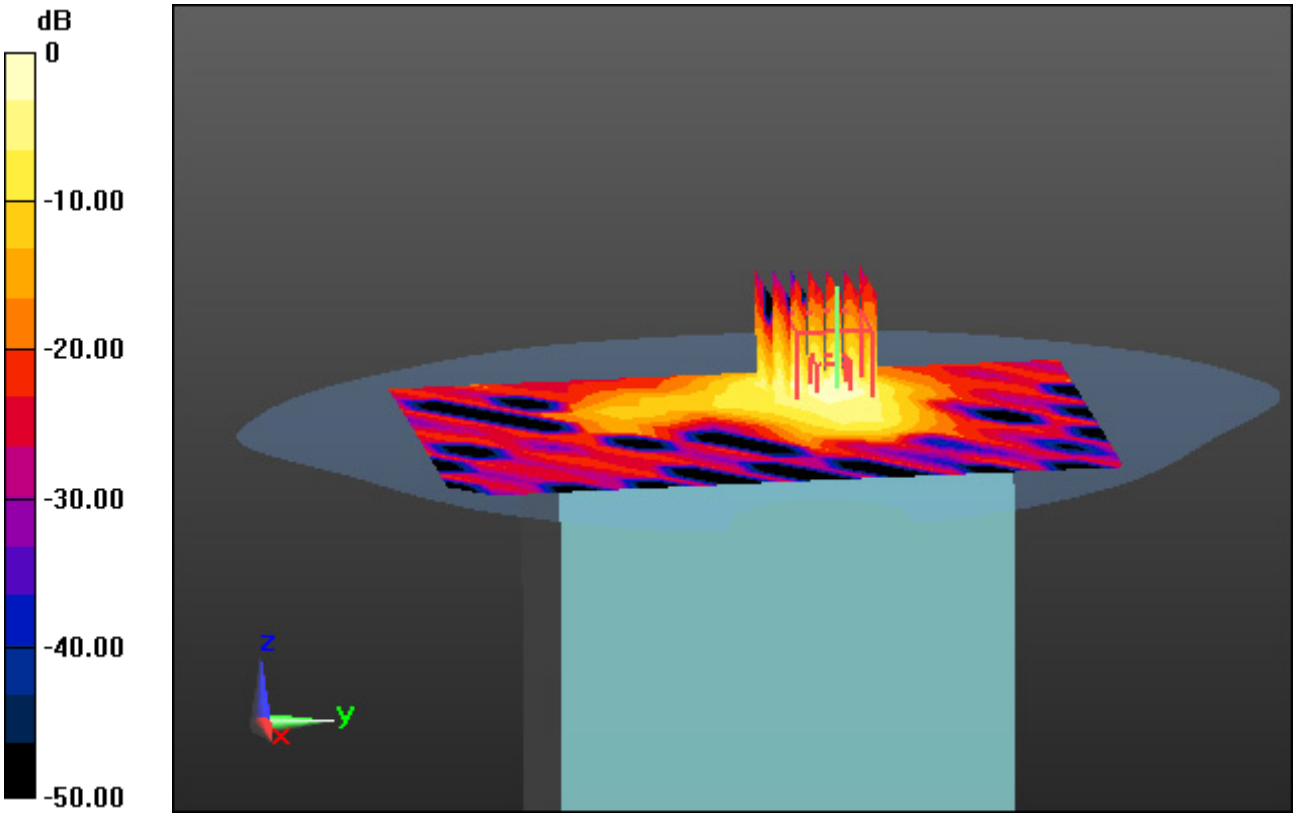
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.817 S/m; ε_r = 38.854; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7368; ConvF(7.89, 7.89, 7.89); Calibrated: 11/27/2020 Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2021-04-16; Ambient Temp: 20.7; Tissue Temp: 20.6

Extremity SAR, Top, Bluetooth 1 Mbps Ch. 39, Ant Internal

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.453 W/kg
SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.069 W/kg



0 dB = 0.287 W/kg