

SystemPerformanceCheck-Head 450MHz

DUT: Dipole 450 MHz D450V3

Communication System: UID 0, A-CW (0); Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL 450MHz Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.859 \text{ S/m}$; $\epsilon_r = 44.492$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: EX3DV4 - SN7494; ConvF(11.7, 11.7, 11.7); Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Head/d=15 mm, Pin=250 mw, dist=1.4mm (EX-Probe)/Area Scan (81x81x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.60 W/kg

Head/d=15 mm, Pin=250 mw, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7):

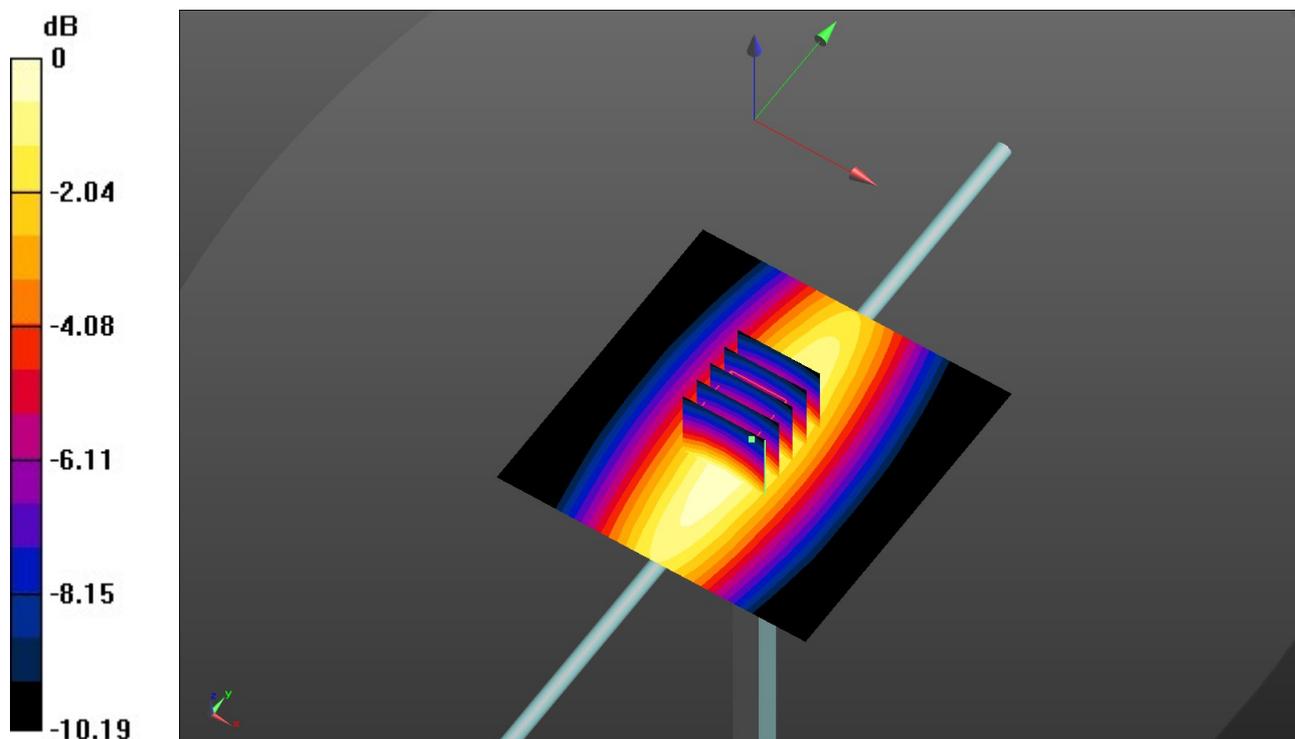
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.31 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.16 W/kg ; SAR(10 g) = 0.772 W/kg

Maximum value of SAR (measured) = 1.58 W/kg



0 dB = $1.58 \text{ W/kg} = 1.99 \text{ dBW/kg}$

SystemPerformanceCheck-Body 450MHz

DUT: Dipole 450 MHz D450V3

Communication System: UID 0, A-CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
 Medium: MSL450MHz Medium parameters used: $f = 450$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 56.106$; $\rho = 1000$ kg/m³

DASY4 Configuration:

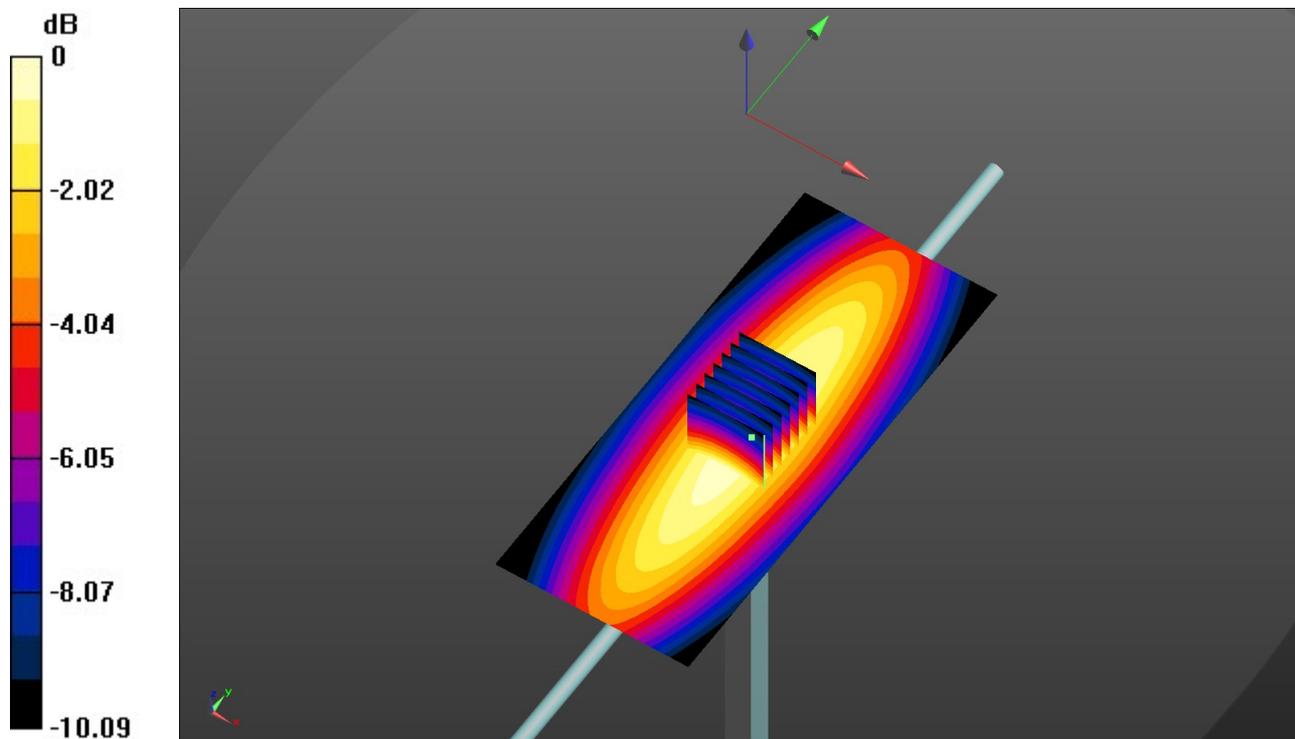
- Probe: EX3DV4 - SN7494; ConvF(11.87, 11.87, 11.87); Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/d=15mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (51x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Maximum value of SAR (interpolated) = 1.67 W/kg

Body/d=15mm, Pin=250mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7):

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 42.66 V/m; Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 2.03 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.826 W/kg
 Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.72 W/kg = 2.36 dBW/kg