

System Performance Check-Head 450MHz

DUT: D450V3; Type: D450V3; Serial: 1102

Date: 2021-06-07

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

Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.827 \text{ S/m}$; $\epsilon_r = 41.891$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5°C; Liquid Temperature: 22.3°C;

DASY Configuration:

- Probe: EX3DV4 - SN3842; ConvF(10.09, 10.09, 10.09) @ 450 MHz; Calibrated: 1/25/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/23/2021
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=15mm, Pin=250mW, dist=1.4mm/Area Scan (51x101x1): Interpolated grid:

$dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.73 W/kg

Head/d=15mm, Pin=250mW, dist=1.4mm /Zoom Scan (5x5x7)/Cube 0:

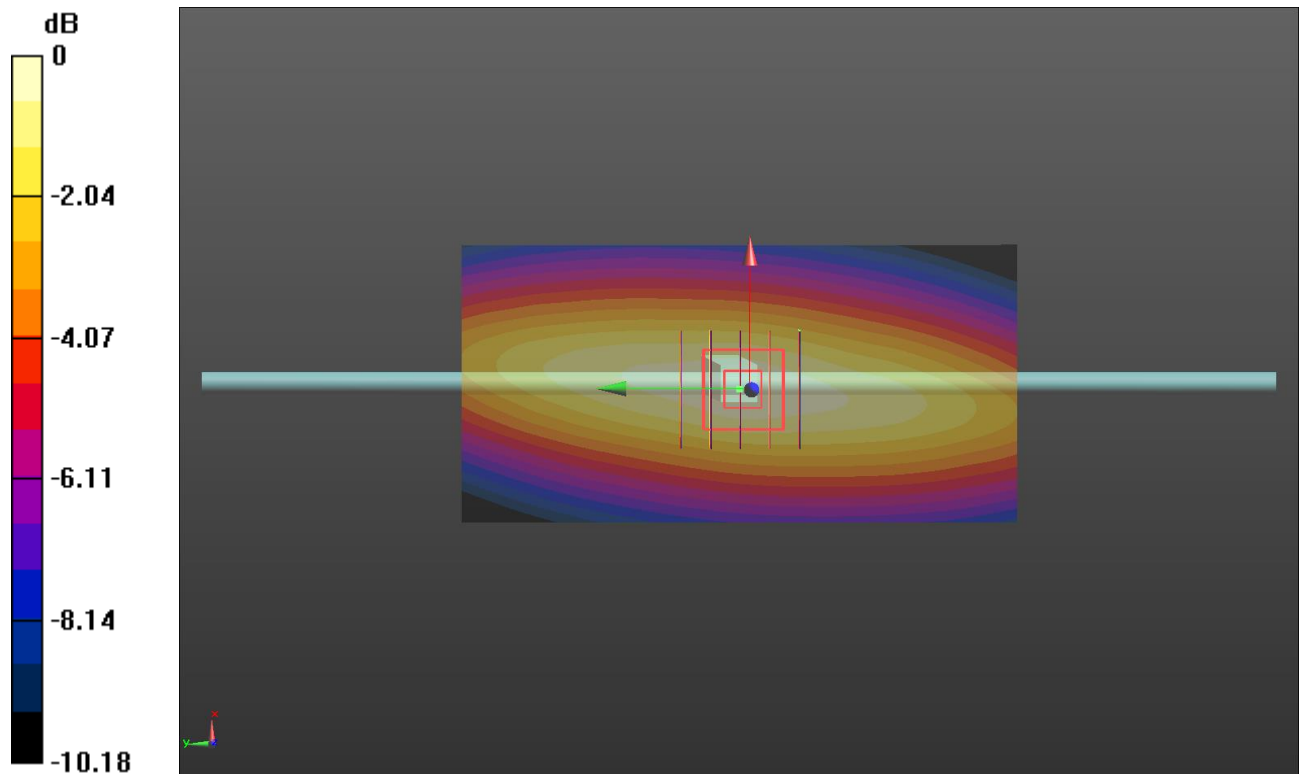
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.97 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.844 W/kg

Maximum value of SAR (measured) = 1.76 W/kg



0 dB = 1.76 W/kg = 2.46 dBW/kg