

DASY5 Validation Report for Body TSL

Date: 08.02.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz ; Type: D2450V2; Serial: D2450V2 - SN: 978

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 2.03$ S/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(7.53, 7.53, 7.53); Calibrated: 30.12.2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 17.08.2015
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7372)

Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

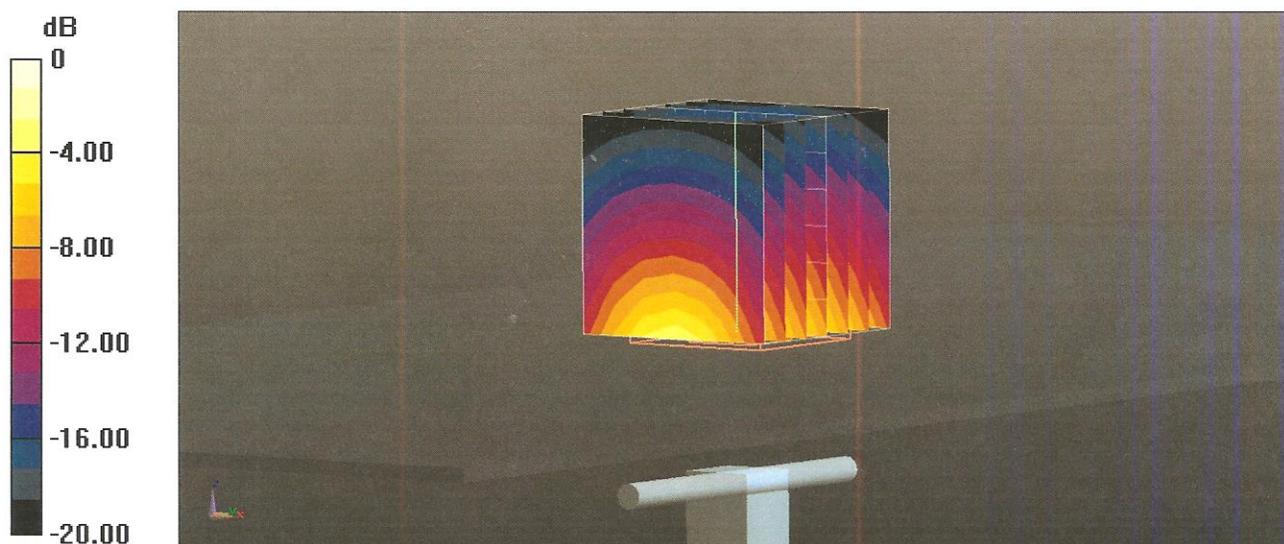
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 108.7 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.26 W/kg

Maximum value of SAR (measured) = 21.7 W/kg

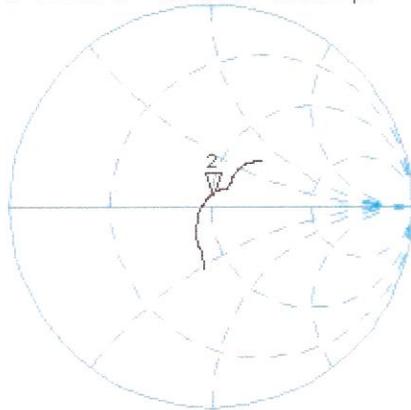


Impedance Measurement Plot for Body TSL

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CH1 S11 1 U FS 2: 49.842 Ω 5.8477 Ω 379.87 μ H 2 450.000 000 MHz

*
De1
Ca



Avg
16

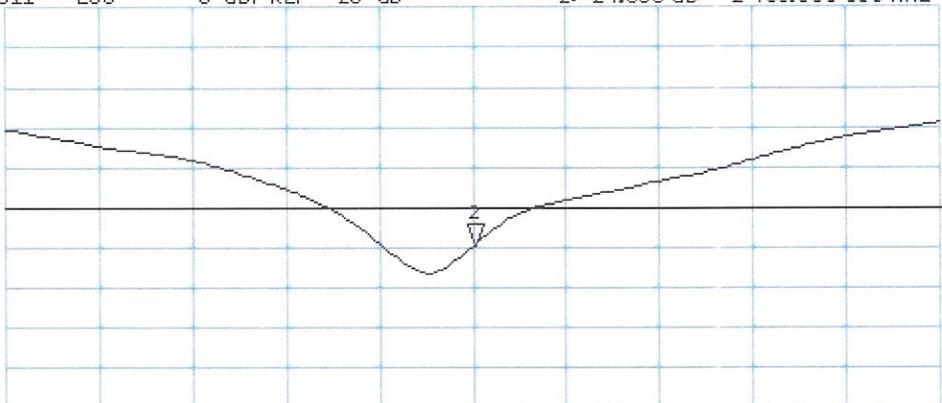
H1d

CH2 S11 LOG 5 dB/REF -20 dB 2:-24.656 dB 2 450.000 000 MHz

Ca

Avg
16

H1d



START 2 250.000 000 MHz

STOP 2 650.000 000 MHz