

Annex A

System performance check

1. System Performance Check for Head Tissue simulating liquid
 - System Performance Check 2450 MHz Head

Date: 12.06.2019

Test Laboratory: Cetecom Essen

System Performance Check 2450 MHz Head 2019-06-12

DUT: D2450V2; Type: D2450V2; Serial: 993

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450 MHz); Frequency: 2450 MHz;

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.839$ S/m; $\epsilon_r = 39.572$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3739; ConvF(7.24, 7.24, 7.24); Calibrated: 15.06.2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 12.04.2019
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: xxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (5x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 18.8 W/kg

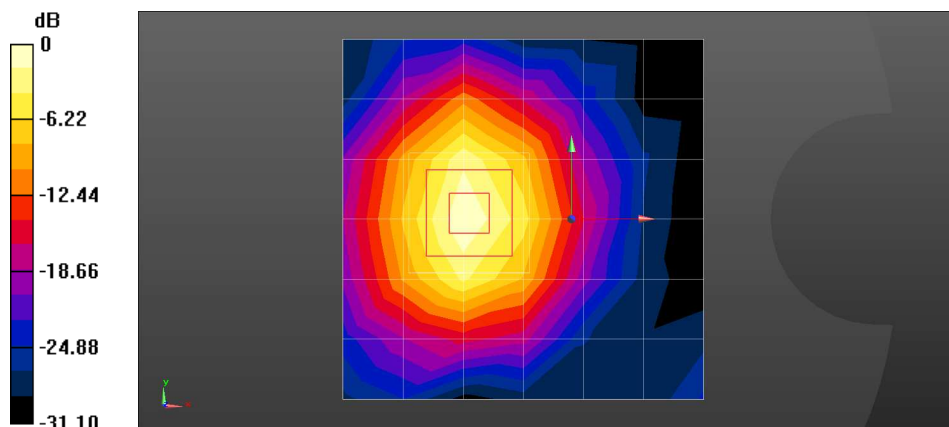
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 75.58 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.41 W/kg

Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 18.8 W/kg = 12.74 dBW/kg