



# Appendix A

## Detailed System Check Results

1. System Performance Check
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System Performance Check 2450 MHz Head
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Date: 2023/10/27

Test Laboratory: LCS-SAR Lab

## System Check\_2450Mhz

**DUT: D2450V2; Type: D2450V2; Serial: 965**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.84$  S/m;  $\epsilon_r = 38.674$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 11.0, 31.0$
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (4x8x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 17.5 W/kg

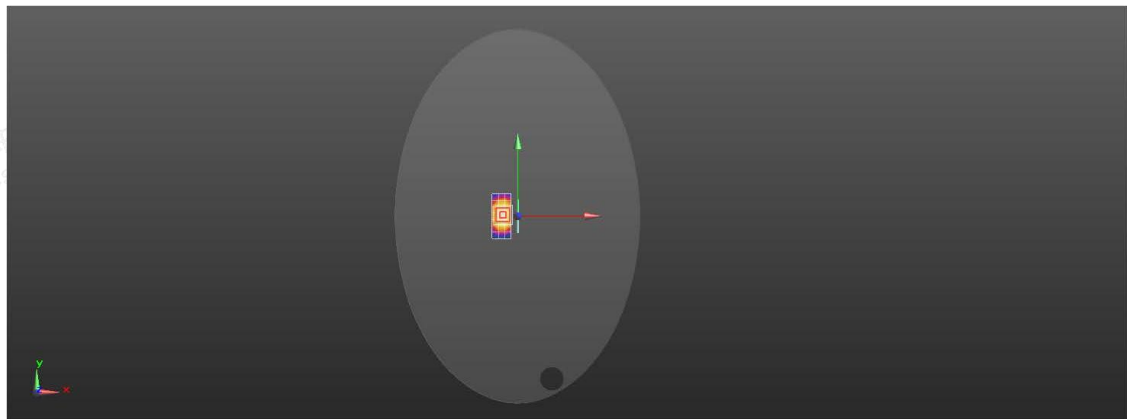
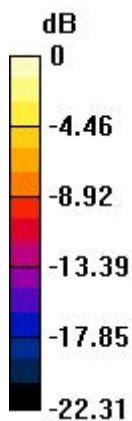
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 88.94 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 26.9 W/kg

**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.93 W/kg**

Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 17.5 W/kg = 12.43 dBW/kg



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