



Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 5250 MHz Head





Date: 2025/9/7

Test Laboratory: LCS-SAR Lab

System Check 5250 MHz**DUT: D5GHzV2; Type: D5GHzV2; Serial: 1046**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.743$ S/m; $\epsilon_r = 36.707$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.36, 5.36, 5.36); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (5x5x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.8 W/kg

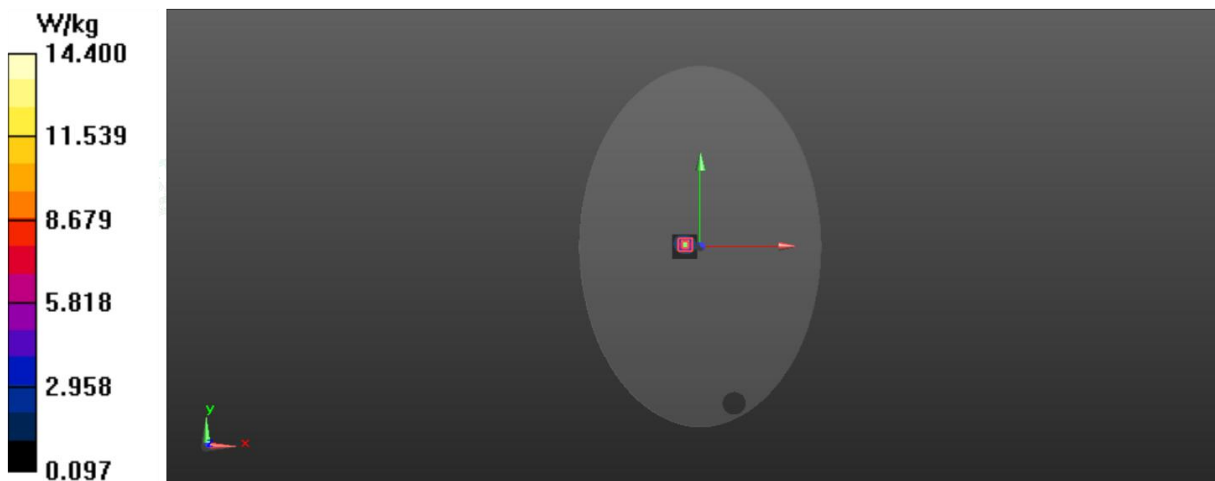
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 61.73 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 7.86 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 14.4 W/kg



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