

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head
System Performance Check 5250 MHz Head
System Performance Check 5750 MHz Head



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System Performance Check 2450 MHz Head

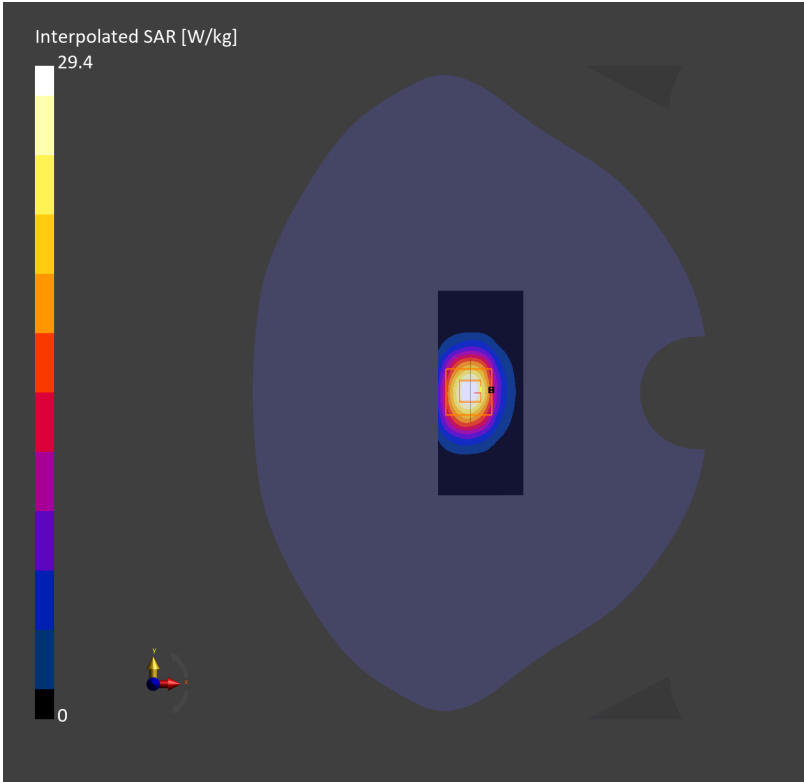
D2450V2-SN 733

Communication System: ; Frequency: 2450.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2450.000 MHz; σ = 1.82 S/m; ϵ_r = 40.3

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.13, 6.8, 7.01); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 96.0 mm): Measurement Grid: 10.0 mm x 12.0 mm
SAR (1g) = 13.7 W/kg; SAR (10g) = 6.70 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = -0.02 dB
SAR (1g) = 14.2 W/kg; SAR (10g) = 6.56 W/kg;
M2/M1 [%]=79.7
Dist 3dB Peak [mm]=9.1



System Performance Check 5250 MHz Head

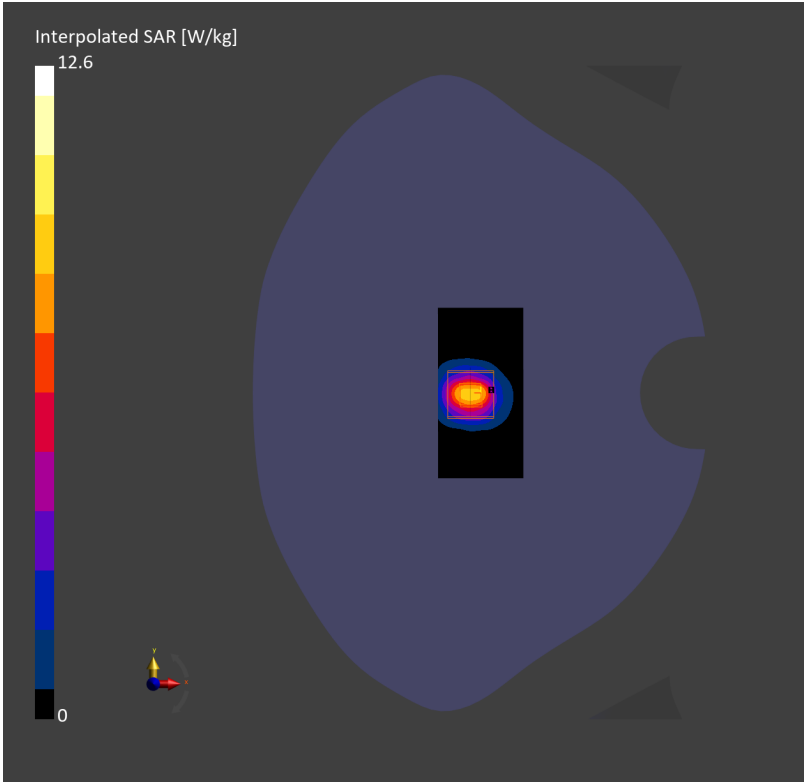
D5GHzV2-SN 1165

Communication System: ; Frequency: 5250.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 5250.000$ MHz; $\sigma= 4.76$ S/m; $\epsilon_r = 36.6$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.52, 5.26, 5.42); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.50 W/kg; SAR (10g) = 2.16 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = -0.02 dB
SAR (1g) = 7.55 W/kg; SAR (10g) = 2.34 W/kg;
M2/M1 [%]=61.7
Dist 3dB Peak [mm]=8.1



System Performance Check 5750 MHz Head

D5GHzV2-SN 1165

Communication System: ; Frequency: 5750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5750.000 MHz; σ = 5.34 S/m; ϵ_r = 35.6

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.18, 4.94, 5.09); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.42 W/kg; SAR (10g) = 2.05 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = 0.02 dB
SAR (1g) = 7.80 W/kg; SAR (10g) = 2.23 W/kg;
M2/M1 [%]=58.6
Dist 3dB Peak [mm]=7.4

