

Appendix A

Detailed System Check Results

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System Performance Check 750MHz Head

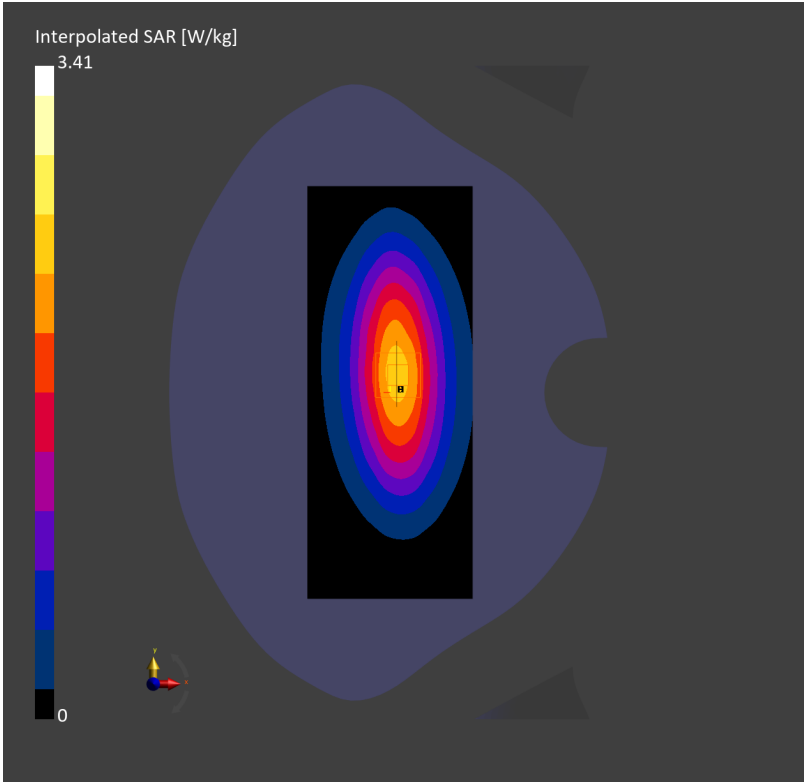
D750V3-SN 1160

Communication System: D750; Frequency: 750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 750.000 MHz; σ = 0.896 S/m; ϵ_r = 40.3

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(10.0, 10.0, 10.0); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (75.0 mm x 195.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 2.11 W/kg; SAR (10g) = 1.42 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = 0.02 dB
SAR (1g) = 2.16 W/kg; SAR (10g) = 1.42 W/kg;
M2/M1 [%]=62.7
Dist 3dB Peak [mm]=17.3



System Performance Check 835 MHz Head

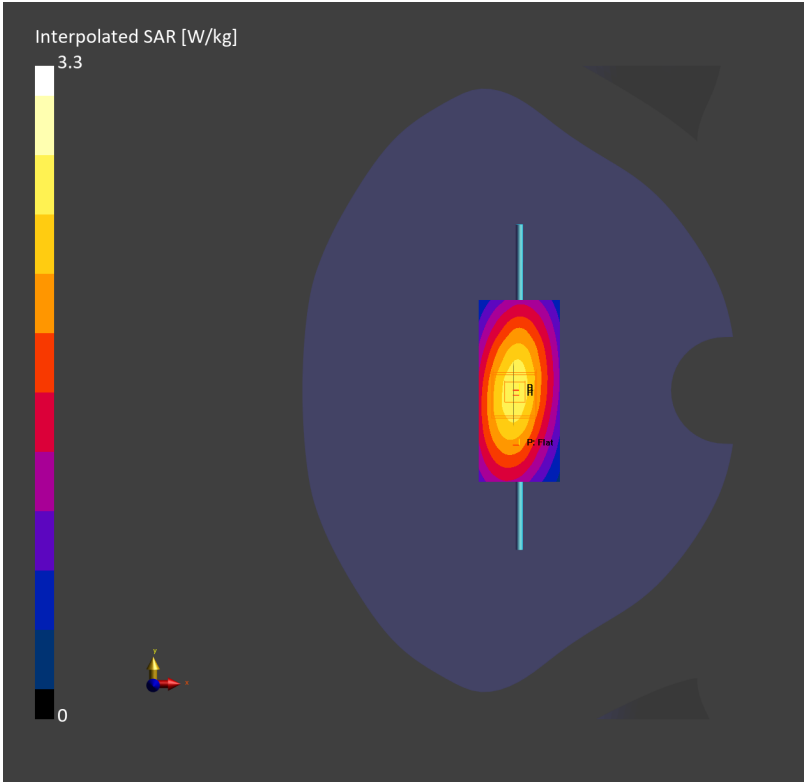
D835V2-SN 4d105

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ = 0.888 S/m; ϵ_r = 41.2

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.35 W/kg; SAR (10g) = 1.57 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.00 dB
SAR (1g) = 2.39 W/kg; SAR (10g) = 1.60 W/kg;
M2/M1 [%]=87.1
Dist 3dB Peak [mm]=> 15.0



System Performance Check 835MHz

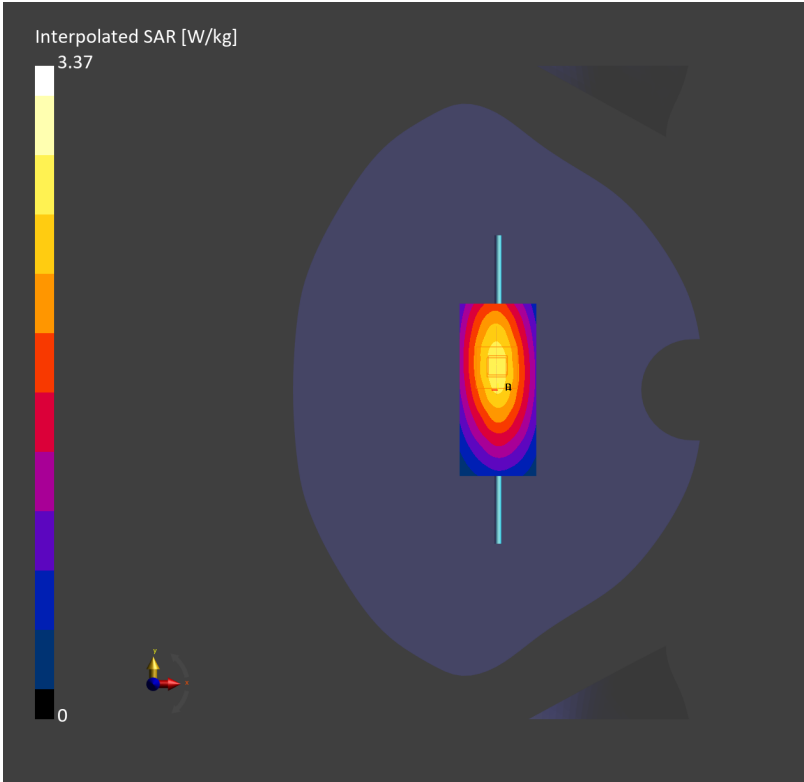
D835V2-SN 4d105

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ = 0.868 S/m; ϵ_r = 40.4

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.36 W/kg; SAR (10g) = 1.55 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = 0.04 dB
SAR (1g) = 2.38 W/kg; SAR (10g) = 1.54 W/kg;
M2/M1 [%]=78.4
Dist 3dB Peak [mm]=12.6



System Performance Check 835 MHz Head

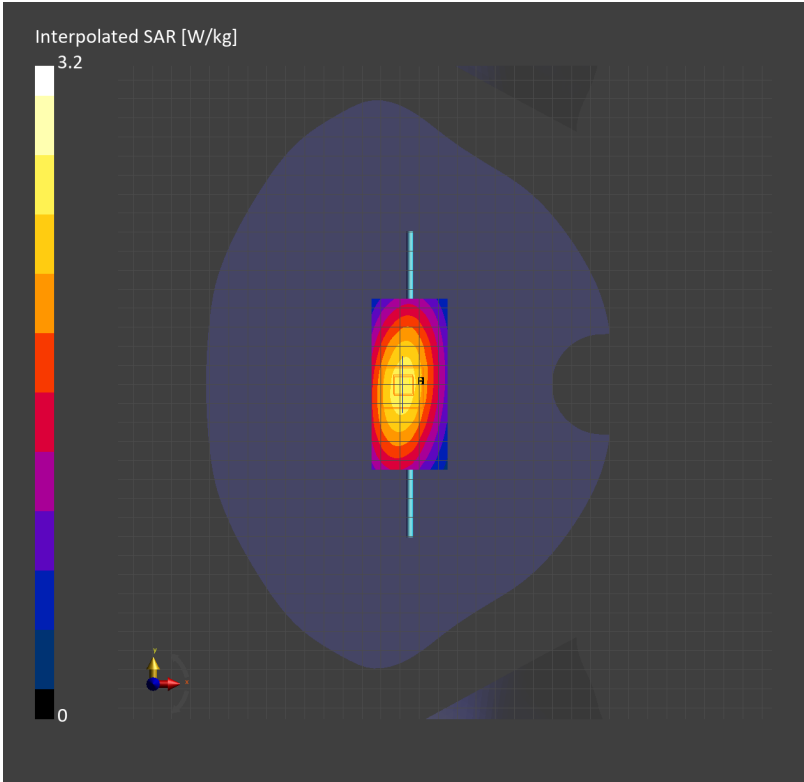
D835V2-SN 4d105

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ = 0.867 S/m; ϵ_r = 40.5

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.27 W/kg; SAR (10g) = 1.53 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = 0.01 dB
SAR (1g) = 2.32 W/kg; SAR (10g) = 1.56 W/kg;
M2/M1 [%]=87.0
Dist 3dB Peak [mm]=> 15.0



System Performance Check 1750 MHz Head

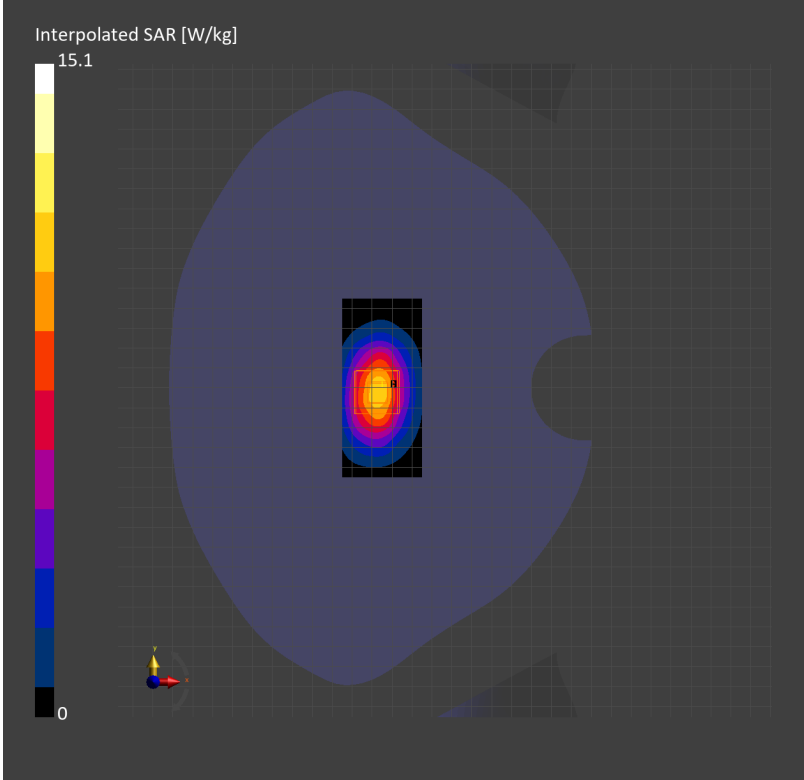
D1750V2-SN 1149

Communication System: ; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 1750.000$ MHz; $\sigma= 1.39$ S/m; $\epsilon_r = 40.7$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.05, 7.68, 7.91); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 9.12 W/kg; SAR (10g) = 5.06 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.01 dB
SAR (1g) = 9.33 W/kg; SAR (10g) = 5.08 W/kg;
M2/M1 [%]=80.1
Dist 3dB Peak [mm]=10.2



System Performance Check 1750 MHz Head

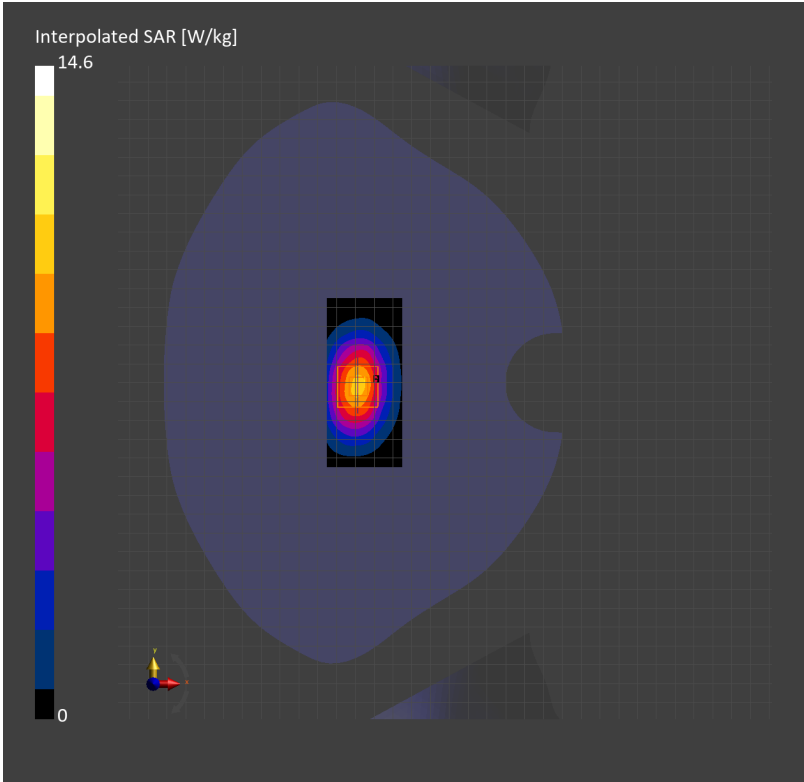
D1750V2-SN 1149

Communication System: ; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: $f=1750.000$ MHz; $\sigma=1.40$ S/m; $\epsilon_r=39.4$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.05, 7.68, 7.91); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 8.41 W/kg; SAR (10g) = 4.73 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.02 dB
SAR (1g) = 8.67 W/kg; SAR (10g) = 4.72 W/kg;
M2/M1 [%]=81.4
Dist 3dB Peak [mm]=12.5



System Performance Check 1750 MHz Head

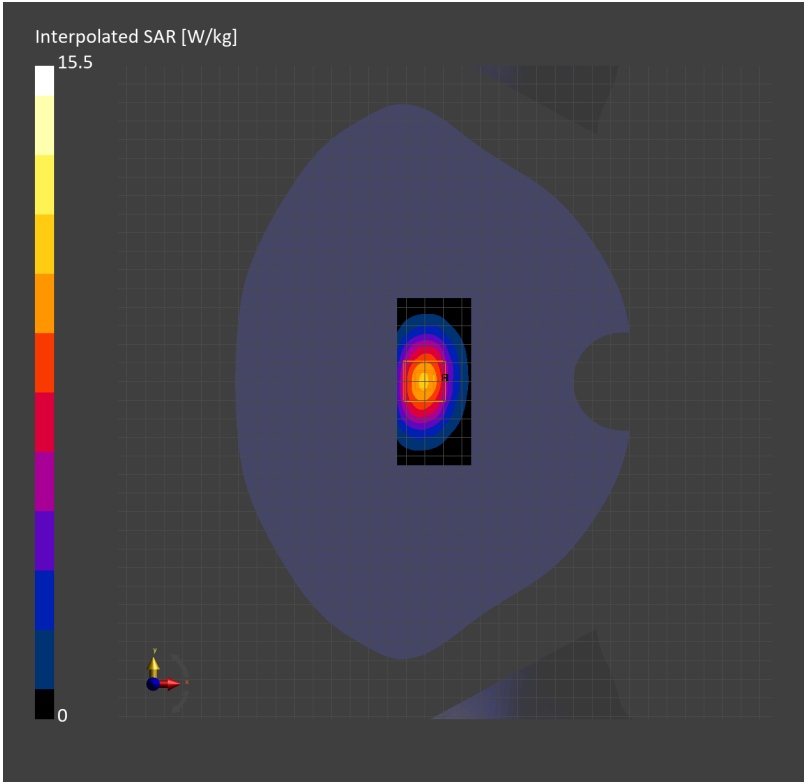
D1750V2-SN1149

Communication System: ; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 1750.000$ MHz; $\sigma= 1.35$ S/m; $\epsilon_r = 40.2$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.05, 7.68, 7.91); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 8.73 W/kg; SAR (10g) = 4.93 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = 0.01 dB
SAR (1g) = 9.04 W/kg; SAR (10g) = 4.93 W/kg;
M2/M1 [%]=82.5
Dist 3dB Peak [mm]=10.3



System Performance Check 1950 MHz Head

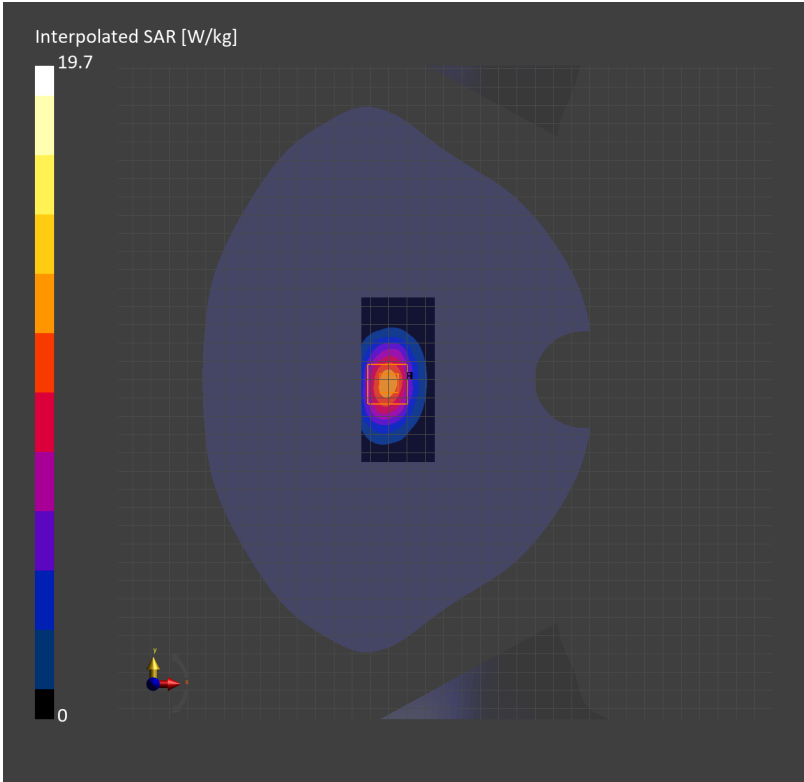
D1950V3-SN 1138

Communication System: ; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1950.000 MHz; σ = 1.39 S/m; ϵ_r = 38.3

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.77, 7.41, 7.63); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 10.3 W/kg; SAR (10g) = 5.56 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.02 dB
SAR (1g) = 10.7 W/kg; SAR (10g) = 5.49 W/kg;
M2/M1 [%]=89.4
Dist 3dB Peak [mm]=10.2



System Performance Check 1950 MHz Head

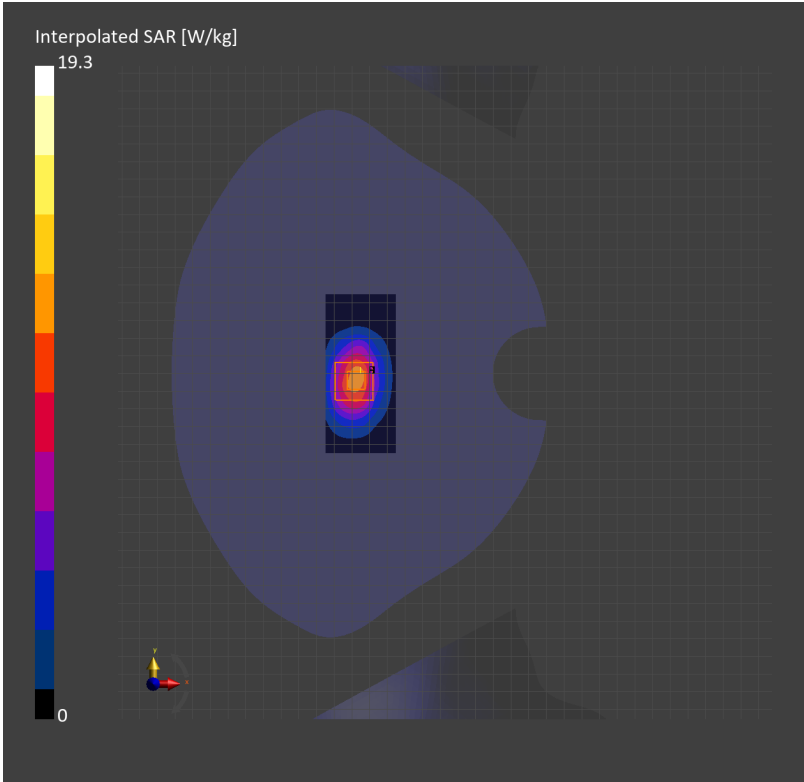
D1950V3-SN 1138

Communication System: ; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 1950.000$ MHz; $\sigma= 1.35$ S/m; $\epsilon_r = 39.6$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.77, 7.41, 7.63); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 10.1 W/kg; SAR (10g) = 5.35 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = 0.01 dB
SAR (1g) = 10.4 W/kg; SAR (10g) = 5.35 W/kg;
M2/M1 [%]=81.6
Dist 3dB Peak [mm]=11.2



System Performance Check 1950 MHz Head

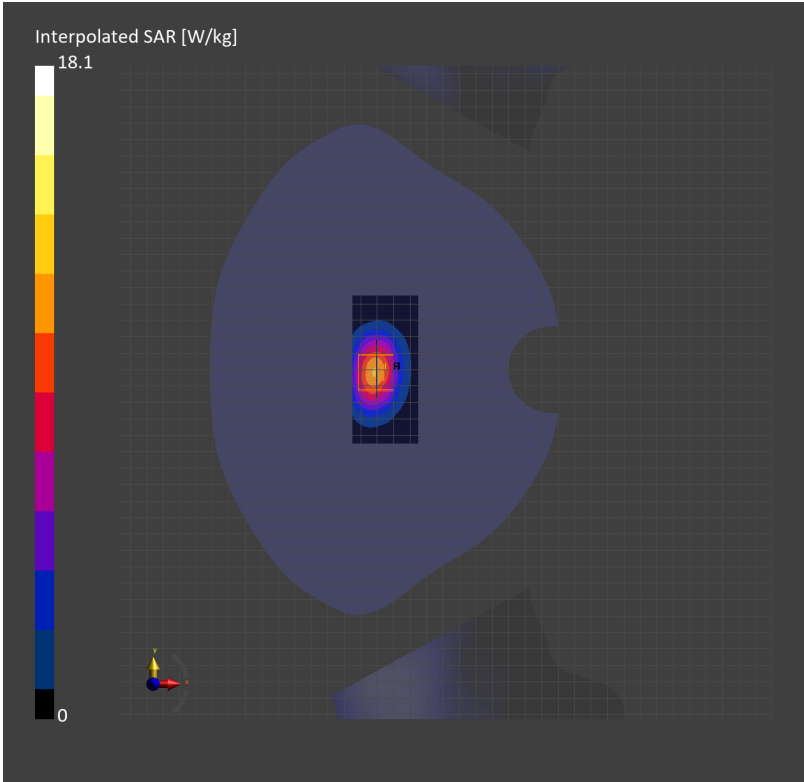
D1950V3-SN 1138

Communication System: ; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 1950.000$ MHz; $\sigma= 1.38$ S/m; $\epsilon_r = 39.9$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.77, 7.41, 7.63); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn867; Calibrated: 2024-12-31
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 9.85 W/kg; SAR (10g) = 5.30 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = 0.02 dB
SAR (1g) = 10.2 W/kg; SAR (10g) = 5.26 W/kg;
M2/M1 [%]=82.1
Dist 3dB Peak [mm]=9.4



System Performance Check 2450MHz Head

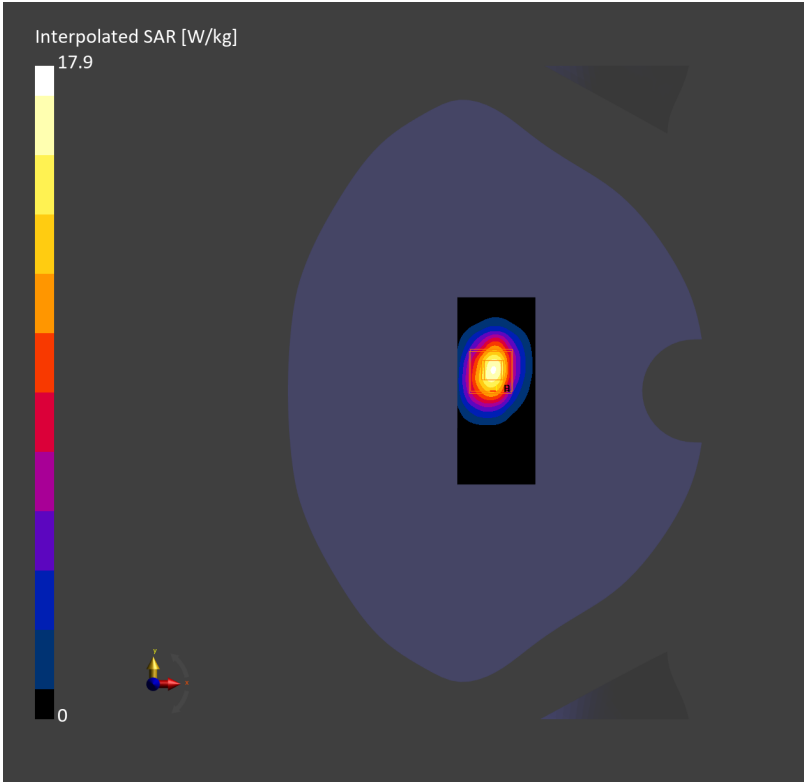
D2450V2-SN 733

Communication System: ; Frequency: 2450.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2450.000 MHz; σ = 1.85 S/m; ϵ_r = 40.3

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(7.5, 7.5, 7.5); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 12.7 W/kg; SAR (10g) = 5.99 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 = 0.03 dB
SAR (1g) = 13.0 W/kg; SAR (10g) = 6.02 W/kg;
M2/M1 [%]=72.1
Dist 3dB Peak [mm]=8.5



System Performance Check 2600MHz Head

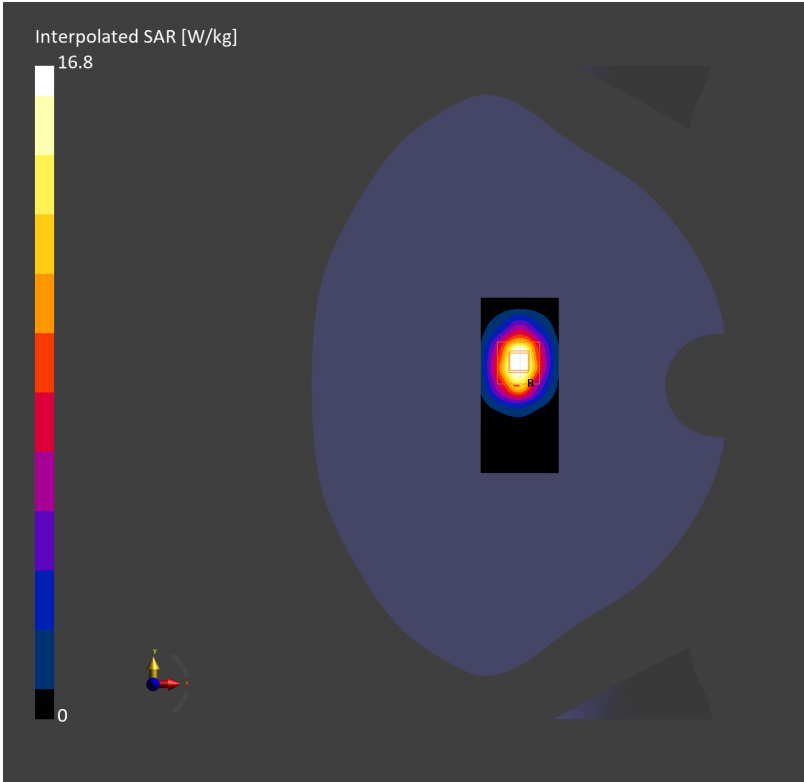
D2600V2-SN 1125

Communication System: ; Frequency: 2600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2600.000 MHz; σ = 1.88 S/m; ϵ_r = 39.8

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(7.33, 7.33, 7.33); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 14.2 W/kg; SAR (10g) = 6.35 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = -0.17 dB
SAR (1g) = 14.3 W/kg; SAR (10g) = 6.42 W/kg;
M2/M1 [%]=70.1
Dist 3dB Peak [mm]=9.6



System Performance Check 2600MHz Head

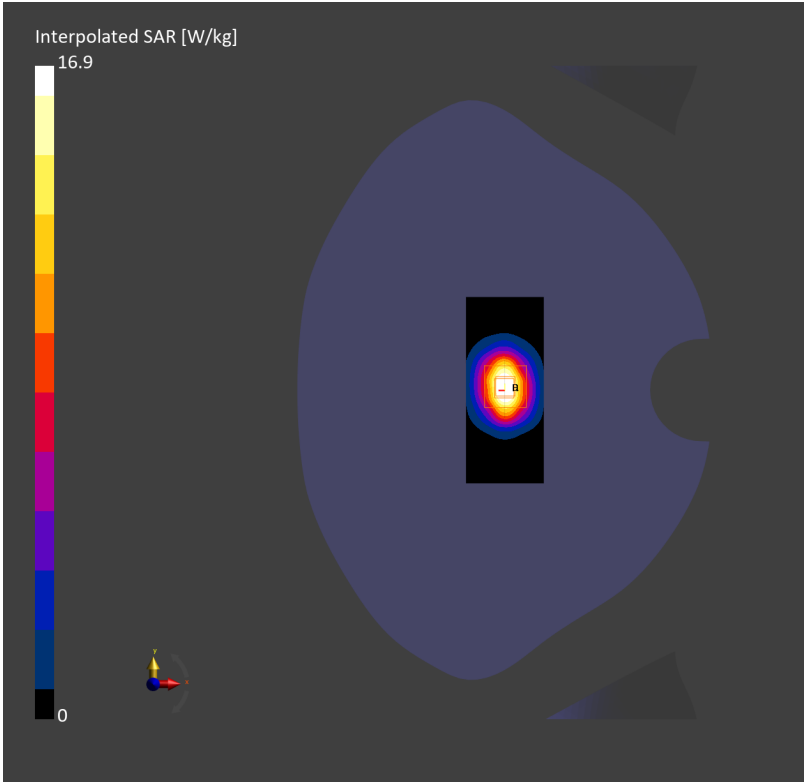
D2600V2-SN 1125

Communication System: ; Frequency: 2600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2600.000 MHz; σ = 1.90 S/m; ϵ_r = 39.3

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(7.33, 7.33, 7.33); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 14.3 W/kg; SAR (10g) = 6.40 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) = 14.7 W/kg; SAR (10g) = 6.64 W/kg;
M2/M1 [%]=74.3
Dist 3dB Peak [mm]=9.2



System Performance Check 2600MHz Head

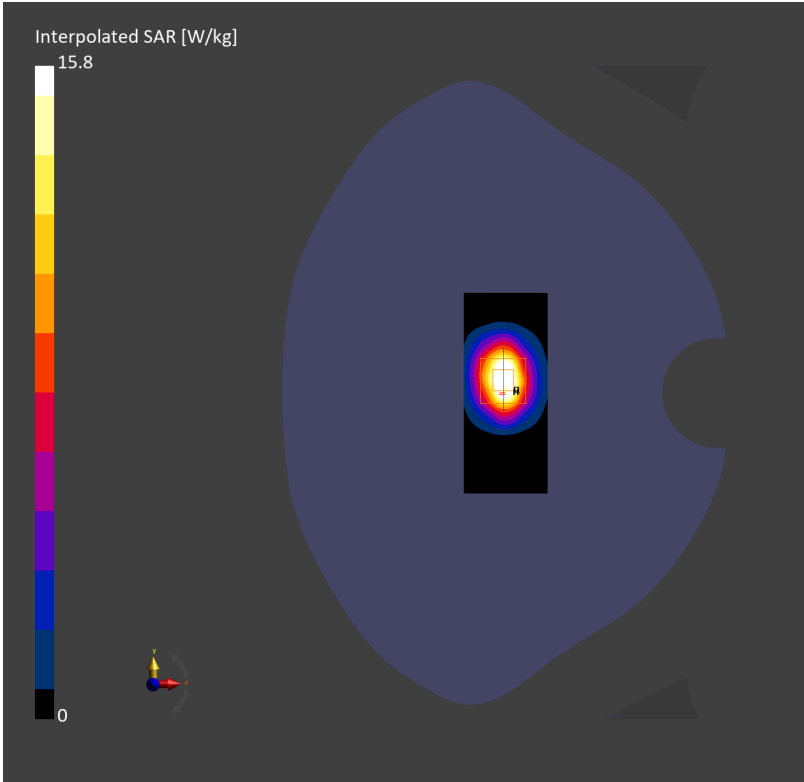
D2600V2-SN 1125

Communication System: ; Frequency: 2600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2600.000 MHz; σ = 1.87 S/m; ϵ_r = 38.1

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(7.33, 7.33, 7.33); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 13.8 W/kg; SAR (10g) = 6.29 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 = -0.15 dB
SAR (1g) = 13.9 W/kg; SAR (10g) = 6.24 W/kg;
M2/M1 [%]=71.7
Dist 3dB Peak [mm]=9.5



System Performance Check 2600MHz Head

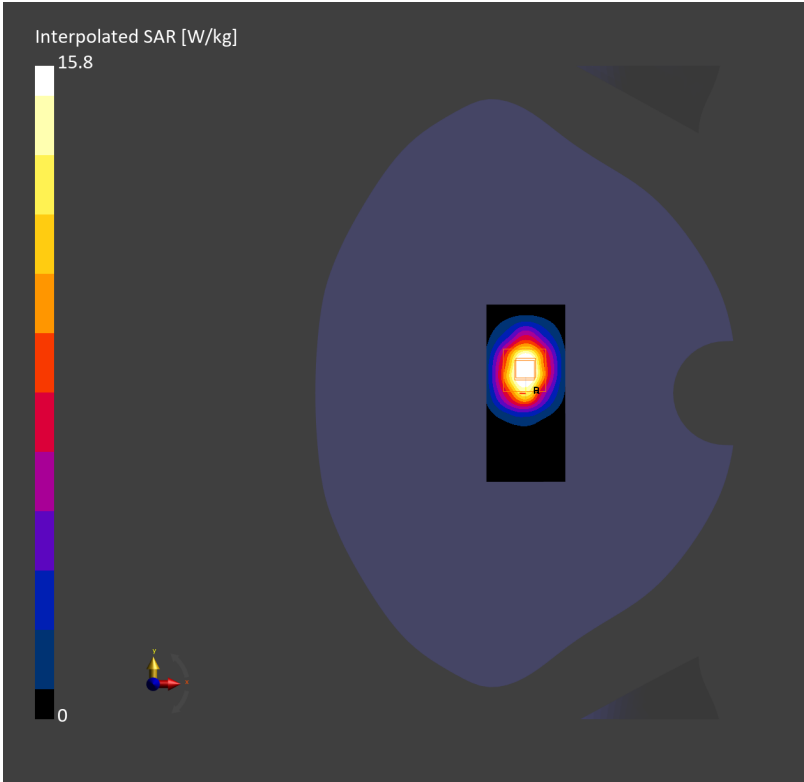
D2600V2-SN 1125

Communication System: ; Frequency: 2600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2600.000 MHz; σ = 1.91 S/m; ϵ_r = 39.3

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(7.33, 7.33, 7.33); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 14.4 W/kg; SAR (10g) = 6.45 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = -0.09 dB
SAR (1g) = 14.5 W/kg; SAR (10g) = 6.52 W/kg;
M2/M1 [%]=74.5
Dist 3dB Peak [mm]=7.6



System Performance Check 3500MHz Head

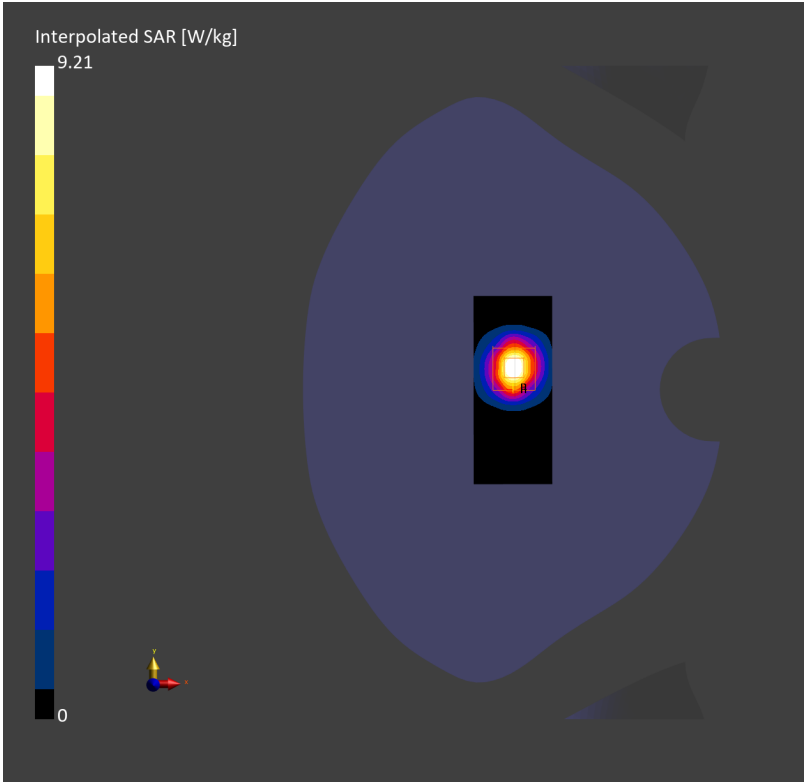
D3500V2-SN 1082

Communication System: ; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3500.000 MHz; σ = 2.93 S/m; ϵ_r = 38.5

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.7, 6.7, 6.7); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 7.11 W/kg; SAR (10g) = 2.70 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 1.4 mm
Power Drift = 0.07 dB
SAR (1g) = 7.12 W/kg; SAR (10g) = 2.75 W/kg;
M2/M1 [%]=61.3
Dist 3dB Peak [mm]=9.1



System Performance Check 3500MHz Head

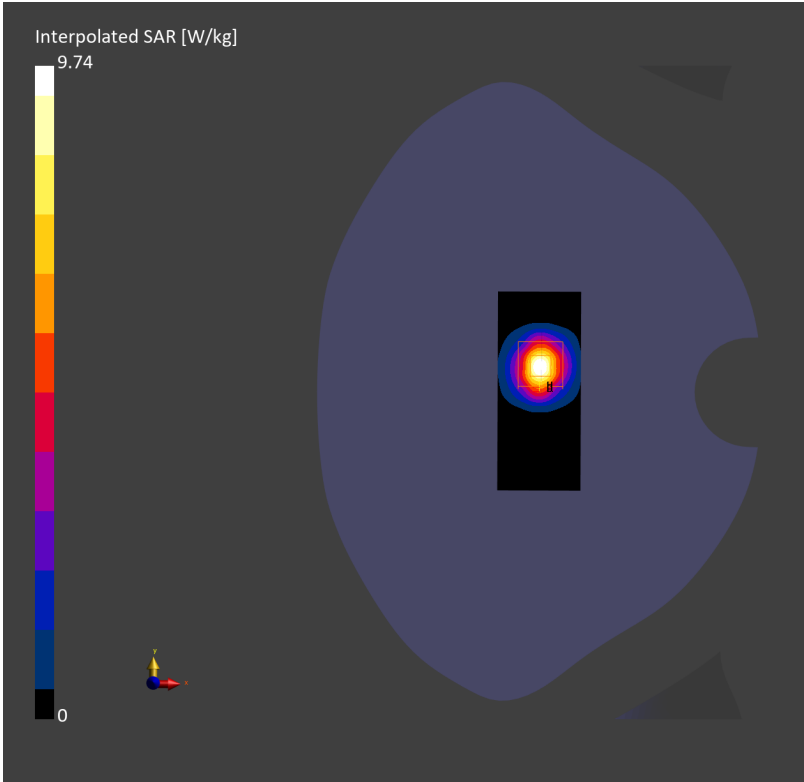
D3500V2-SN 1082

Communication System: ; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3500.000 MHz; σ = 2.86 S/m; ϵ_r = 37.5

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.7, 6.7, 6.7); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 6.94 W/kg; SAR (10g) = 2.64 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 1.4 mm
Power Drift = -0.00 dB
SAR (1g) = 6.95 W/kg; SAR (10g) = 2.68 W/kg;
M2/M1 [%]=58.4
Dist 3dB Peak [mm]=9.2



System Performance Check 3500 MHz Head

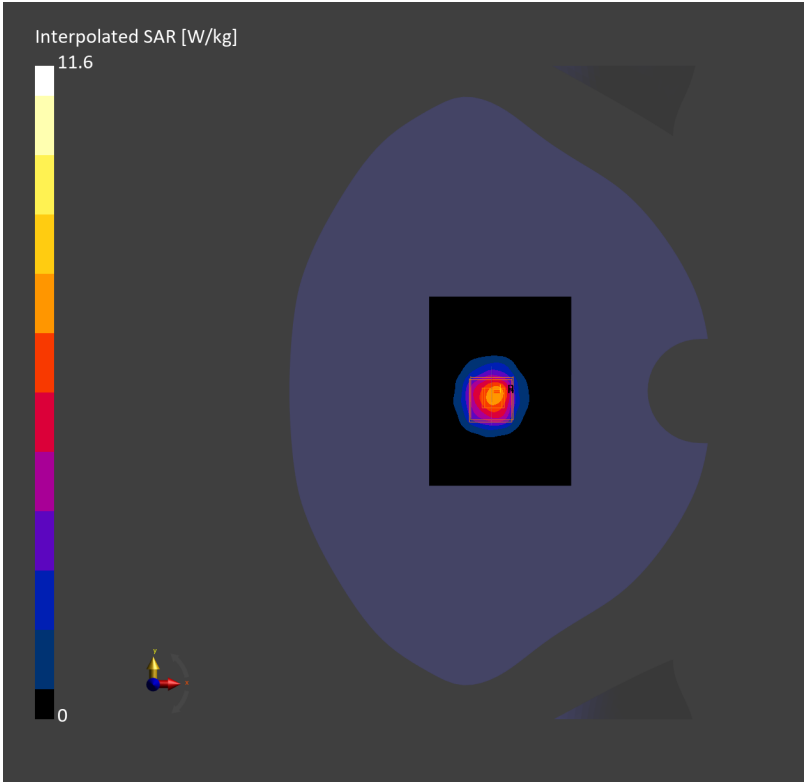
D3500V2-SN 1082

Communication System: D3500; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3500.000 MHz; σ = 2.93 S/m; ϵ_r = 37.9

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.7, 6.7, 6.7); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (72.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 5.72 W/kg; SAR (10g) = 2.39 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 5.0 mm
Power Drift = -0.04 dB
SAR (1g) = 6.68 W/kg; SAR (10g) = 2.61 W/kg;
M2/M1 [%]=44.7
Dist 3dB Peak [mm]=8.8



System Performance Check 3500MHz Head

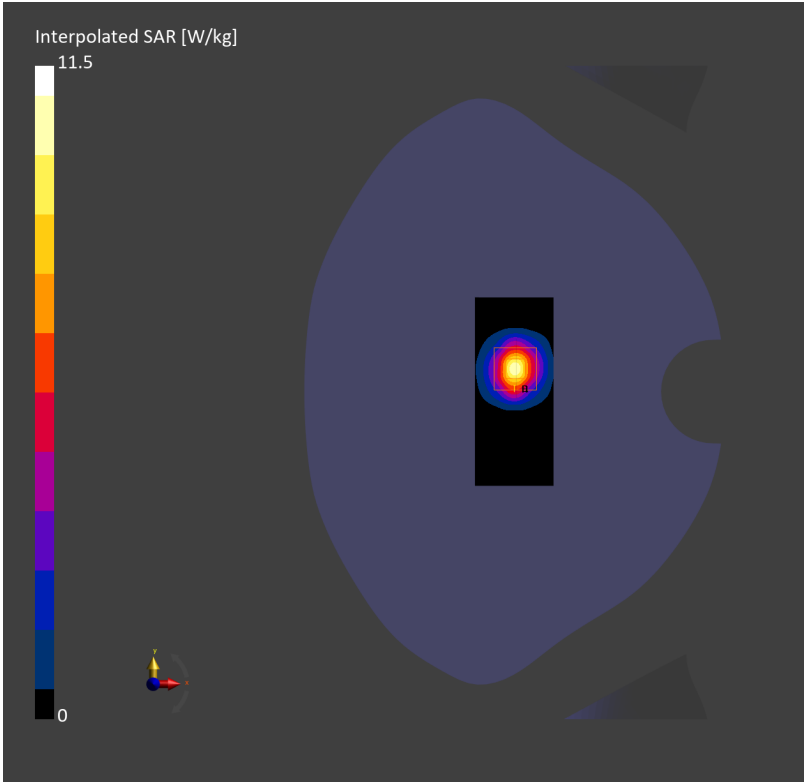
D3500V2-SN 1082

Communication System: ; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3500.000 MHz; σ = 2.97 S/m; ϵ_r = 38.1

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.7, 6.7, 6.7); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 7.22 W/kg; SAR (10g) = 2.74 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 1.4 mm
Power Drift = 0.18 dB
SAR (1g) = 7.23 W/kg; SAR (10g) = 2.79 W/kg;
M2/M1 [%]=65.9
Dist 3dB Peak [mm]=8.3



System Performance Check 3700MHz Head

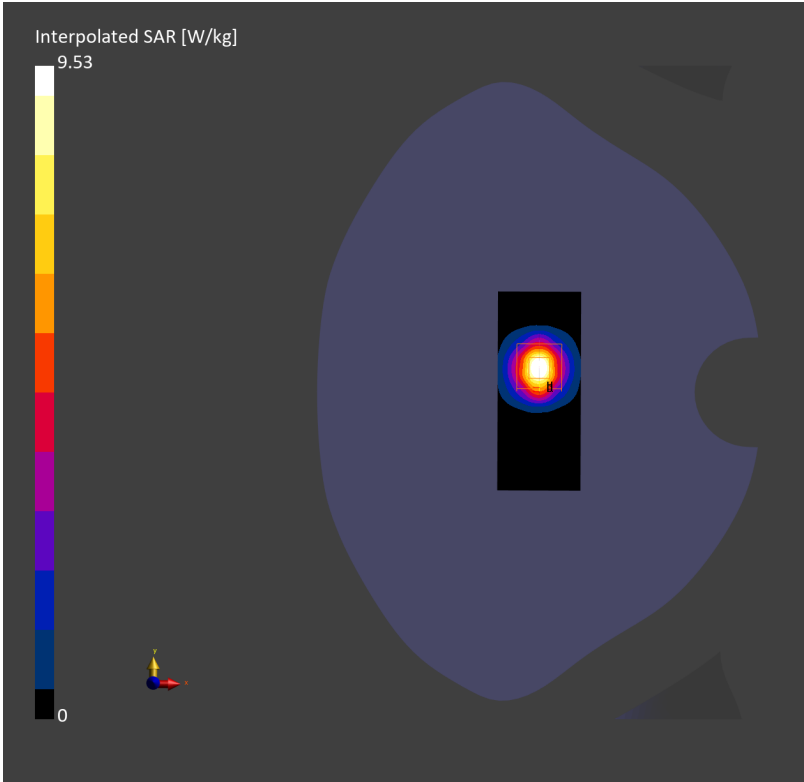
D3700V2-SN 1046

Communication System: ; Frequency: 3700.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3700.000 MHz; σ = 3.08 S/m; ϵ_r = 36.8

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.48, 6.48, 6.48); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 7.13 W/kg; SAR (10g) = 2.61 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 1.4 mm
Power Drift = -0.05 dB
SAR (1g) = 7.13 W/kg; SAR (10g) = 2.67 W/kg;
M2/M1 [%]=67.8
Dist 3dB Peak [mm]=8.1



System Performance Check 3700 MHz Head

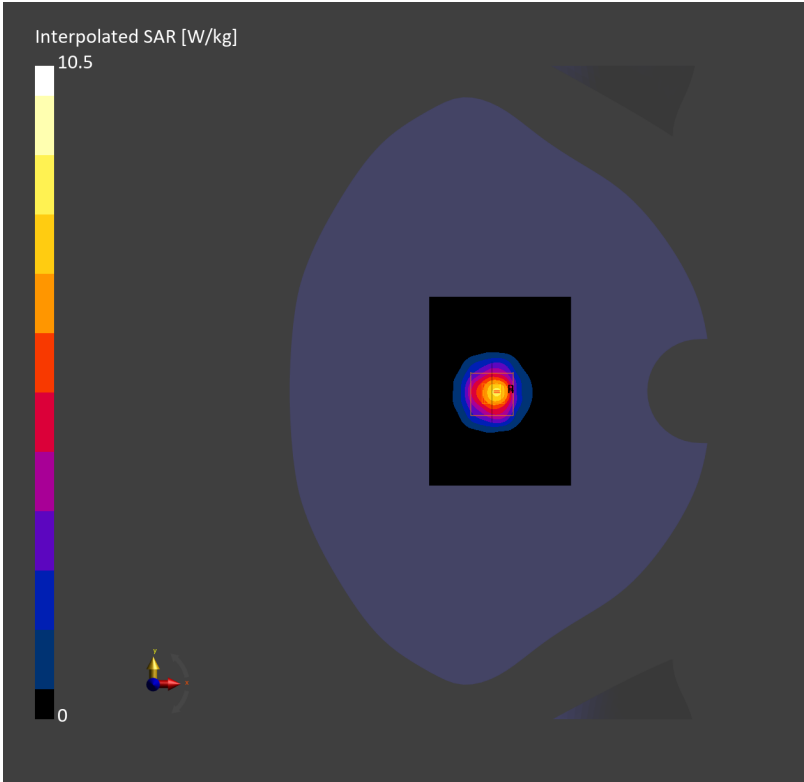
D3700V2-SN 1046

Communication System: D3700; Frequency: 3700.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3700.000 MHz; σ = 3.15 S/m; ϵ_r = 37.5

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.48, 6.48, 6.48); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (72.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 5.91 W/kg; SAR (10g) = 2.32 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 5.0 mm
Power Drift = -0.10 dB
SAR (1g) = 6.84 W/kg; SAR (10g) = 2.61 W/kg;
M2/M1 [%]=38.7
Dist 3dB Peak [mm]=7.6



System Performance Check 3700MHz Head

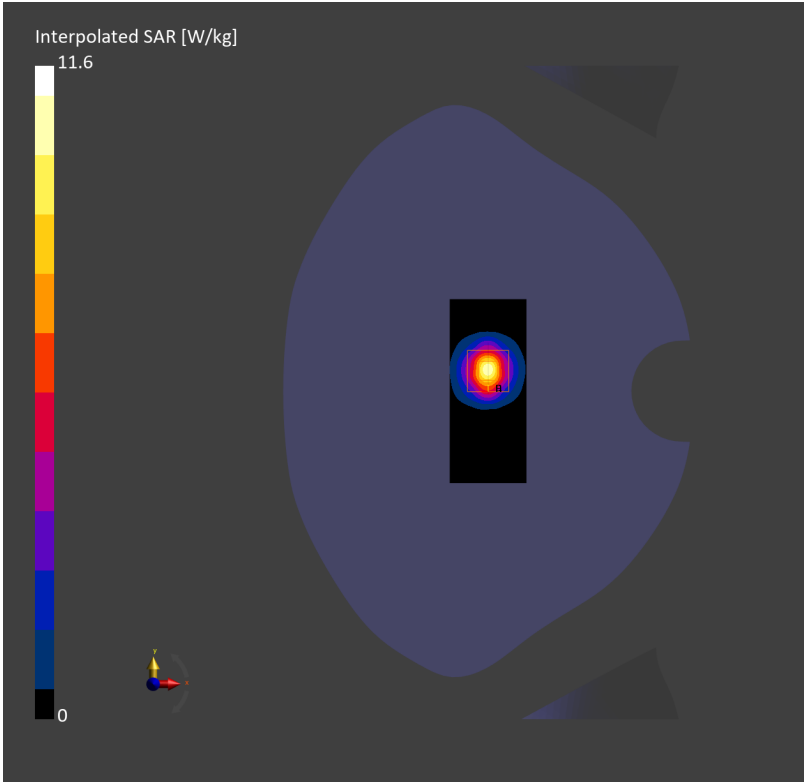
D3700V2-SN 1046

Communication System: ; Frequency: 3700.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3700.000 MHz; σ = 3.20 S/m; ϵ_r = 37.5

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.48, 6.48, 6.48); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - 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) = 7.11 W/kg; SAR (10g) = 2.60 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 1.4 mm
Power Drift = -0.04 dB
SAR (1g) = 7.15 W/kg; SAR (10g) = 2.67 W/kg;
M2/M1 [%]=72.9
Dist 3dB Peak [mm]=7.2



System Performance Check 3900 MHz Head

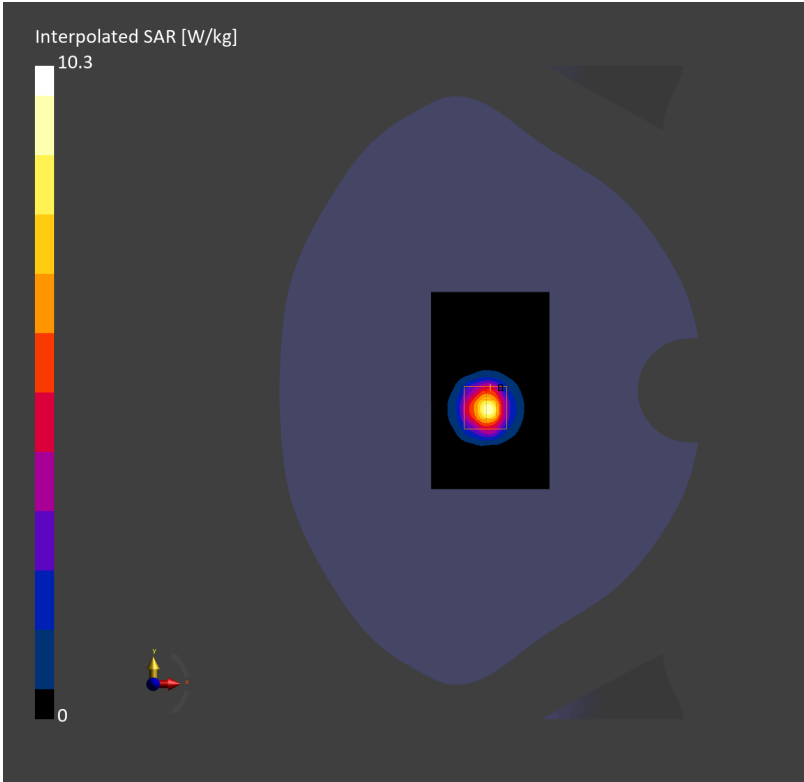
D3900V2-SN 1026

Communication System: D3900; Frequency: 3900.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3900.000 MHz; σ = 3.30 S/m; ϵ_r = 36.2

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.4, 6.4, 6.4); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.36 W/kg; SAR (10g) = 2.28 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 5.0 mm
Power Drift = 0.12 dB
SAR (1g) = 6.79 W/kg; SAR (10g) = 2.45 W/kg;
M2/M1 [%]=41.5
Dist 3dB Peak [mm]=7.9



System Performance Check 5250 MHz Head

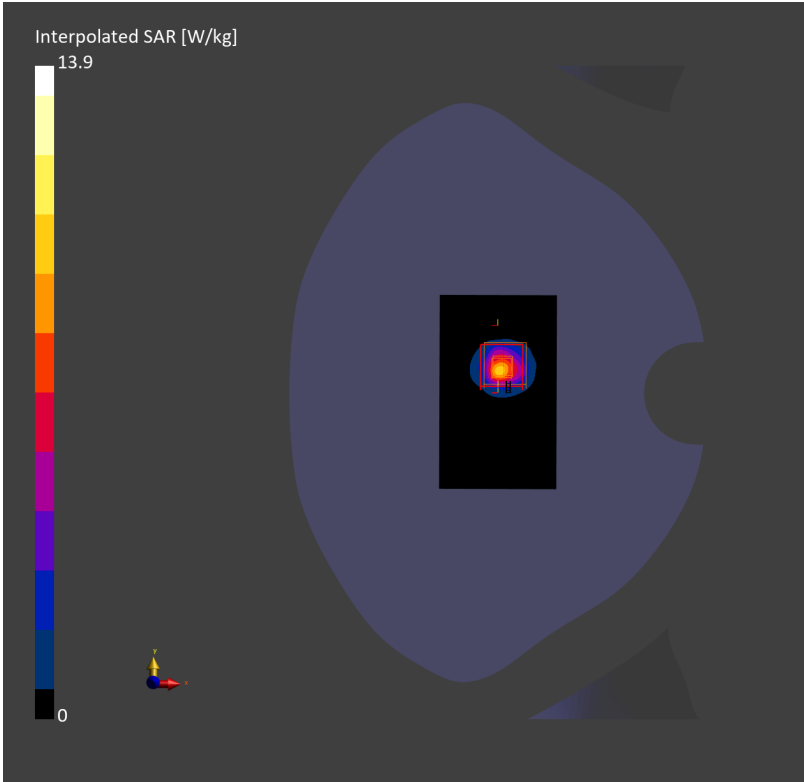
D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5250.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5250.000 MHz; σ = 4.54 S/m; ϵ_r = 35.3

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(5.21, 5.21, 5.21); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.66 W/kg; SAR (10g) = 2.00 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 2.0 mm
Power Drift = -0.15 dB
SAR (1g) = 7.18 W/kg; SAR (10g) = 2.06 W/kg;
M2/M1 [%]=47.2
Dist 3dB Peak [mm]=6.7



System Performance Check 5600 MHz Head

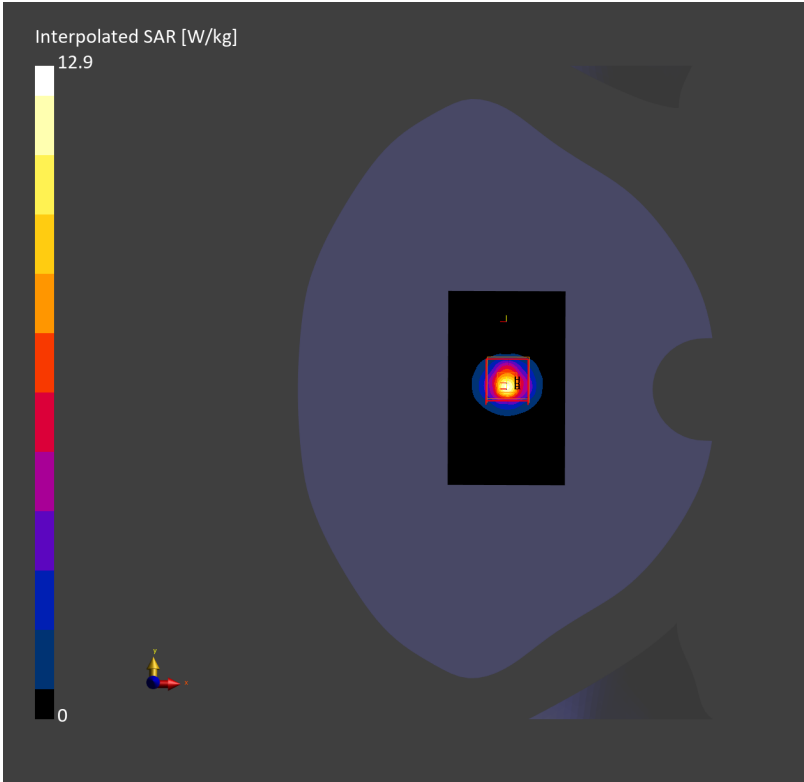
D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5600.000 MHz; σ = 4.91 S/m; ϵ_r = 34.4

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(4.6, 4.6, 4.6); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.88 W/kg; SAR (10g) = 2.25 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 2.0 mm
Power Drift = -0.01 dB
SAR (1g) = 8.45 W/kg; SAR (10g) = 2.43 W/kg;
M2/M1 [%]=54.8
Dist 3dB Peak [mm]=5.7



System Performance Check 5750 MHz Head

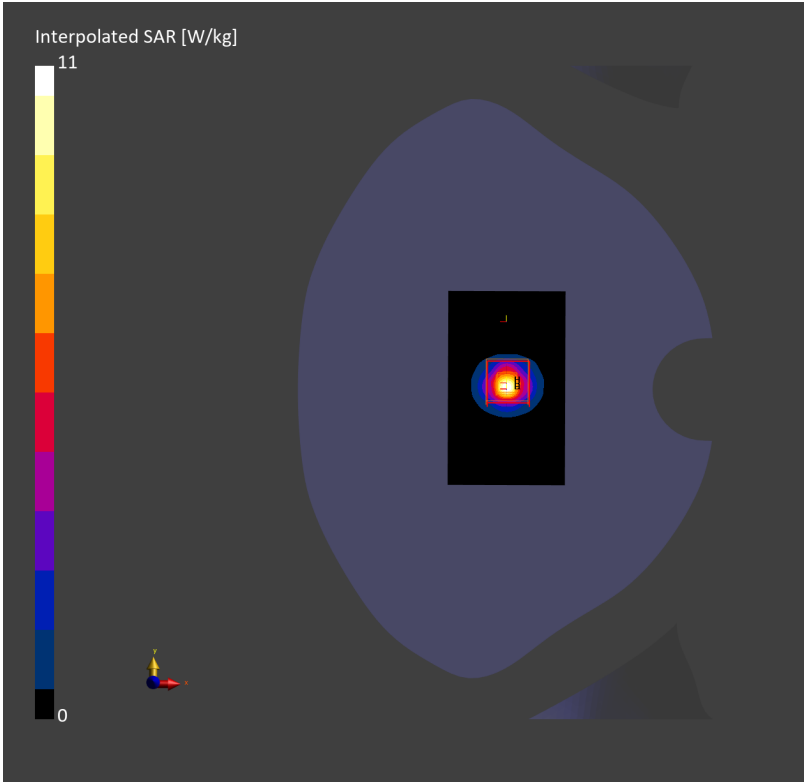
D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5750.000 MHz; σ = 5.10 S/m; ϵ_r = 34.2

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(4.73, 4.73, 4.73); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.10 W/kg; SAR (10g) = 2.00 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 2.0 mm
Power Drift = 0.09 dB
SAR (1g) = 7.61 W/kg; SAR (10g) = 2.21 W/kg;
M2/M1 [%]=44.7
Dist 3dB Peak [mm]=6.9



System Performance Check 6500 MHz Head

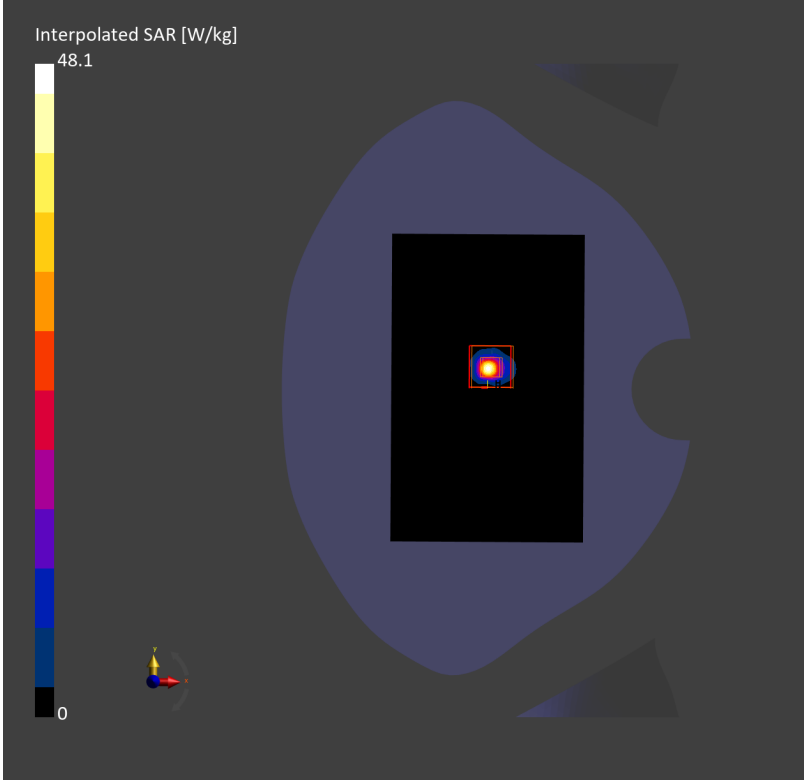
D6.5GHzV2-SN 1102

Communication System: D6.5GHz; Frequency: 6500.000
Medium: Head Simulating Liquid. Medium parameters used: $f=6500.000\text{ MHz}$; $\sigma=5.99\text{ S/m}$; $\epsilon_r=33.6$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(5.01, 5.13, 5.42); Calibrated: 2024-10-10
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (100.0 mm x 160.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 25.9 W/kg; SAR (10g) = 5.04 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm
Power Drift = 0.11 dB
SAR (1g) = 29.1 W/kg; SAR (10g) = 5.58 W/kg;
M2/M1 [%]=48.5
Dist 3dB Peak [mm]=4.7



Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
10G Source,	100.0 x 100.0 x 100.0	Source

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1777	Air	EUmmWV4 – SN9533_F1–55GHz, 2024–08–23	DAE4 Sn867, 2024–12–31

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2025–08–18
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	180
psPDtot+ [W/m²]	183
psPDmod+ [W/m²]	186
E _{max} [V/m]	299
Power Drift [dB]	0.03

