

Appendix D

Detailed System Check Results

1. System Performance Check
System Performance Check 835 MHz Head
System Performance Check 1750 MHz Head
System Performance Check 1950 MHz Head
System Performance Check 2600 MHz Head



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Measurement Report for D835V2-SN 4d105, EDGE TOP, D835, CW, Channel 50 (835.000 MHz)**D835V2-SN 4d105**

Communication System: D835; Frequency: 835.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 835.000$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 42.2$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); 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 (90.0 mm x 180.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.45 W/kg; SAR (10g) = 1.62 W/kg;

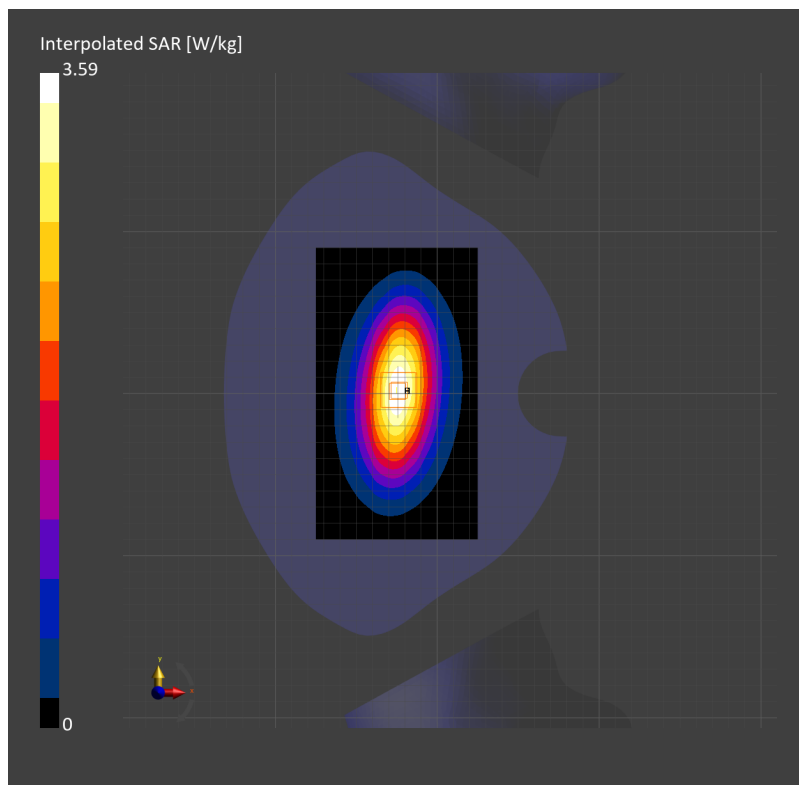
Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = -0.08 dB

SAR (1g) = 2.48 W/kg; SAR (10g) = 1.65 W/kg;

M2/M1 [%]=69.2

Dist 3dB Peak [mm]=17.9



Measurement Report for D1750V2-SN 1149, EDGE TOP, D1750, CW, Channel 50 (1750.000 MHz)**D1750V2-SN 1149**

Communication System: ; Frequency: 1750.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 1750.000$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 40.0$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(8.05, 7.68, 7.91); 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 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

SAR (1g) = 9.26 W/kg; SAR (10g) = 5.20 W/kg;

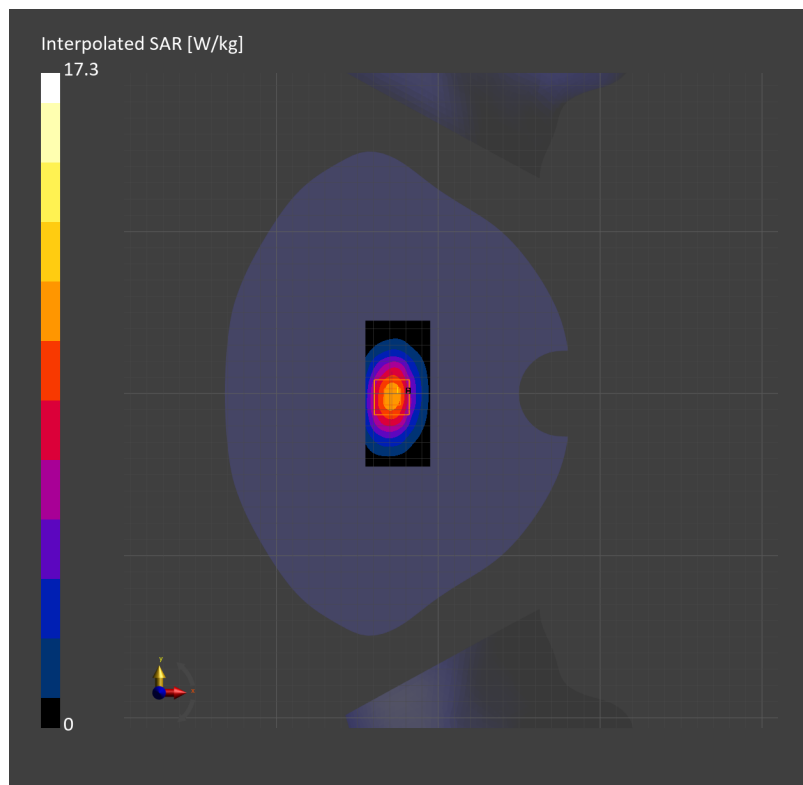
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = -0.01 dB

SAR (1g) = 9.55 W/kg; SAR (10g) = 5.20 W/kg;

M2/M1 [%]=82.6

Dist 3dB Peak [mm]=12.0



Measurement Report for D1950V3-SN 1138,EDGETOP, D1950 , CW, Channel 0 (1950.000 MHz)**D1950V3-SN 1138**

Communication System: ; Frequency: 1950.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 1950.000$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 39.7$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.77, 7.41, 7.63); 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 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

SAR (1g) = 10.4 W/kg; SAR (10g) = 5.58 W/kg;

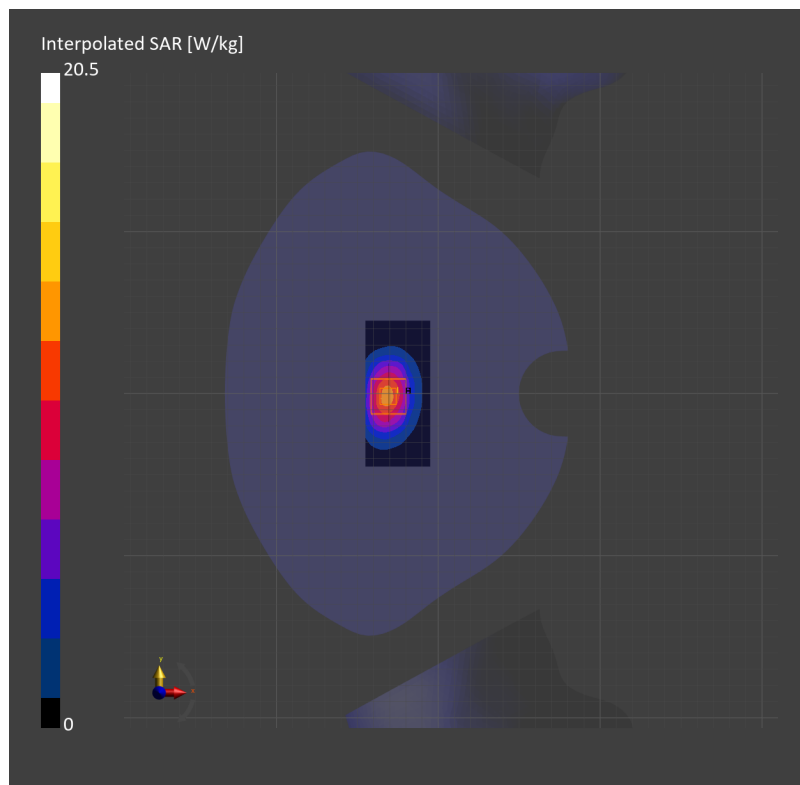
Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = 0.02 dB

SAR (1g) = 10.8 W/kg; SAR (10g) = 5.54 W/kg;

M2/M1 [%]=80.9

Dist 3dB Peak [mm]=10.3



Measurement Report for D2600V2-SN 1125, EDGE TOP, D2600, CW, Channel 50 (2600.000 MHz)**D2600V2-SN 1125**

Communication System: D2600; Frequency: 2600.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 2600.000$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 39.8$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.33, 7.00 7.21); 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 (80.0 mm x 108.0 mm): Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 14.1 W/kg; SAR (10g) = 6.35 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 = -0.05 dB

SAR (1g) = 14.0 W/kg; SAR (10g) = 6.44 W/kg;

M2/M1 [%]=49.2

Dist 3dB Peak [mm]=9.0

