

APPENDIX A: VERIFICATION PLOTS

ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d132

Communication System: UID: 0, CW; Frequency: 835.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 835.000 MHz; cond = 0.904 S/m; perm = 42.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/03/2025; Ambient Temp: 21.6-C; Tissue Temp: 21.6-C

Probe: EX3DV4 - SN7803; ConvF:(9.1,9.3,9.46); 2024-06-28

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1583; 2024-07-08

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

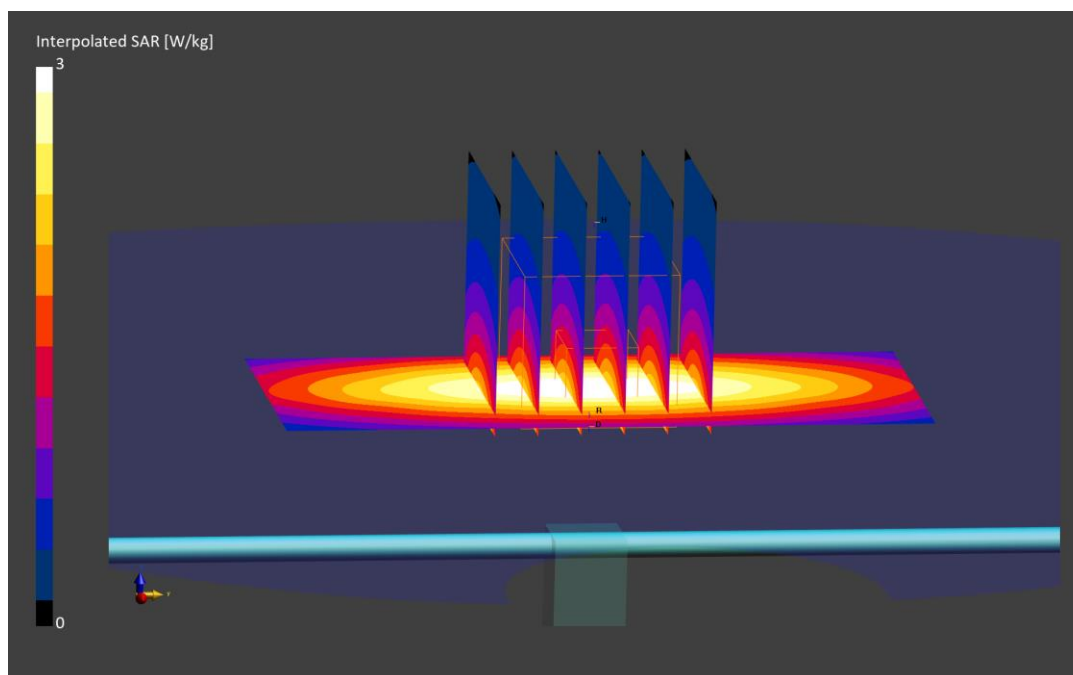
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 1.99 W/kg

Deviation (1 g) = 1.12%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d080

Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 1900.000 MHz; cond = 1.43 S/m; perm = 40.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/03/2025; Ambient Temp: 21.6-C; Tissue Temp: 21.6-C

Probe: EX3DV4 - SN7803; ConvF:(7.55,7.72,7.85); 2024-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; 2024-07-08
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

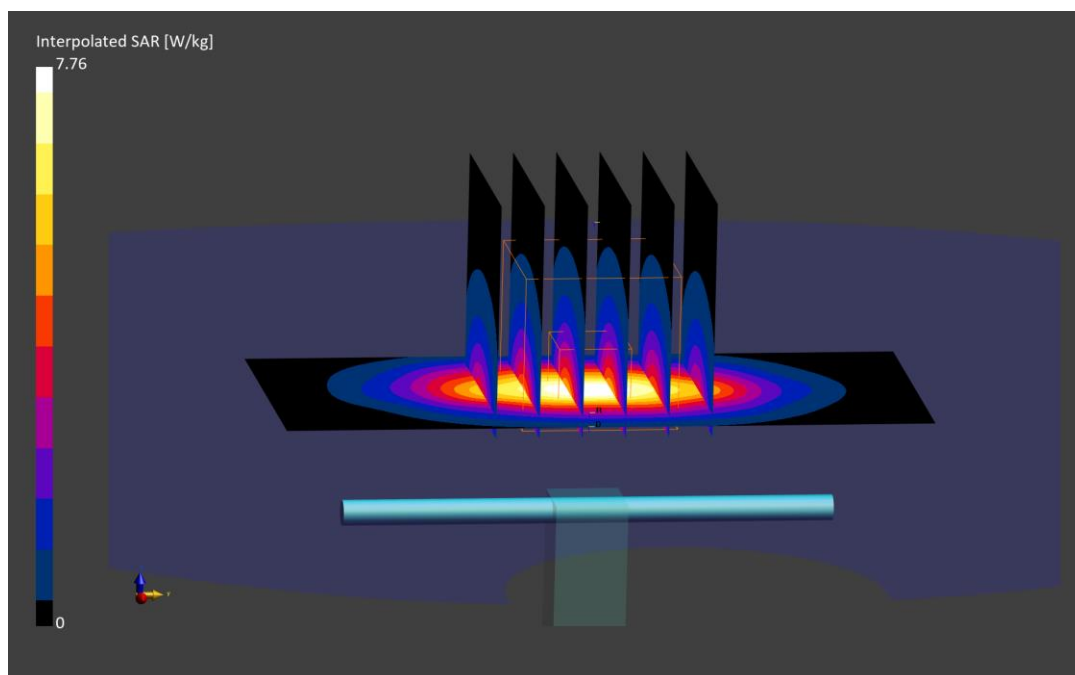
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 7.76 W/kg

SAR(1 g) = 4.27 W/kg

Deviation (1 g) = 7.83%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 3700.000$ MHz; $\text{cond} = 2.98$ S/m; $\text{perm} = 38.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2025; Ambient Temp: 22.7-C; Tissue Temp: 20.0-C

Probe: EX3DV4 - SN7660; ConvF:(7.04,6.7,7.28); 2025-05-09

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1678; 2025-05-09

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 6.95 W/kg

Deviation (1 g) = 3.89%

