

APPENDIX A: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5850.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 5850.000 MHz; cond = 5.18 S/m; perm = 34.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 02-16-2026, Ambient Temp: 21.7°C, Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7718; ConvF:(5.03,5.02,5.2); Calibrated: 2025-04-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2025-04-07
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V17.0.2.6775

5850.0 MHz System Verification at 17.0 dBm (50 mW)

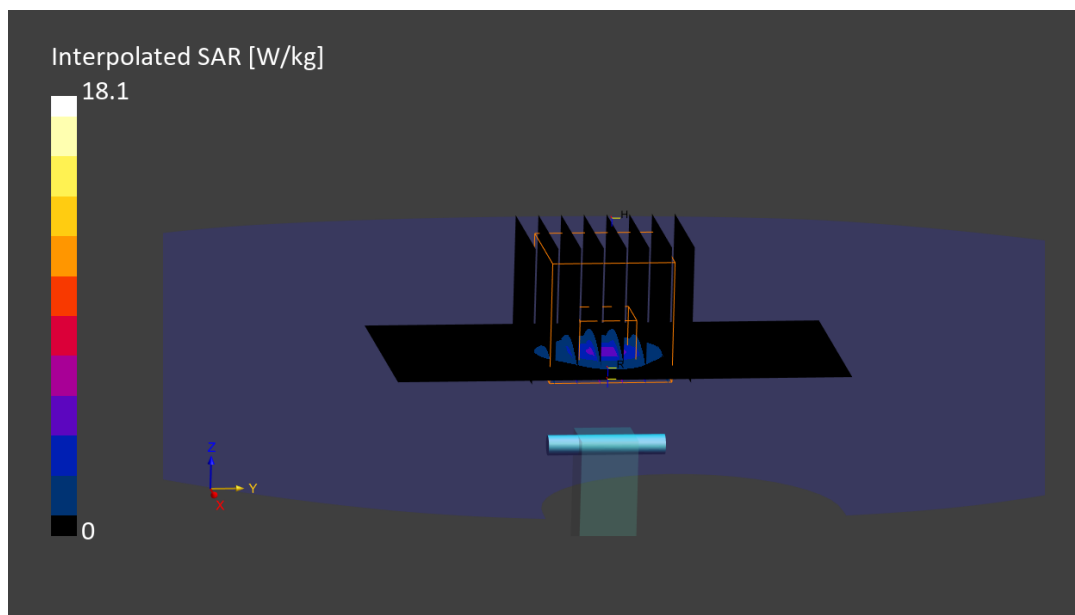
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 28.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 3.89 W/kg

Deviation (1 g) = 1.30%



ELEMENT

DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1018

Communication System: UID: 0, CW; Frequency: 6500.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 6500.000 MHz; cond = 5.98 S/m; perm = 33.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 5 mm

Test Date: 02-16-2026, Ambient Temp: 20.9°C, Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7713; ConvF:(5.91,5.47,5.35); Calibrated: 2026-01-14

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

Electronics: DAE4ip Sn1639; Calibrated: 2026-01-08

Phantom: Twin-SAM V8.0; Serial: 1979

Measurement SW: DASY Module SAR V17.0.2.6775

6500.0 MHz System Verification at 14.0 dBm (25 mW)

Area Scan (51.0 x 85.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (27.2 x 23.8 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 47.0 W/kg

SAR(1 g) = 7.49 W/kg

Deviation (1 g) = 0.54%

