

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN855

Communication System: UID: 0, CW; Frequency: 2450.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 40.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.98,6.91,7.1); Calibrated: 2025-04-16

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

Electronics: DAE4 Sn1323; Calibrated: 2025-04-15

Phantom: Twin-SAM V4.0; Serial: 1447

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

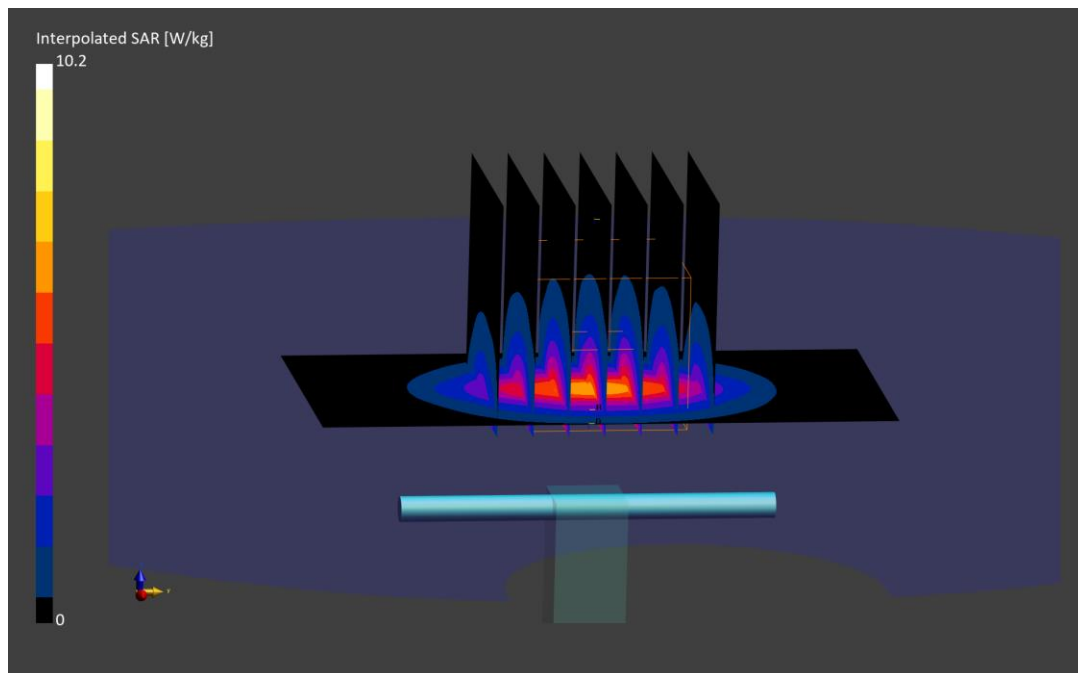
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.36 W/kg

Deviation (1 g) = -3.63%; Deviation (10 g) = -4.07%



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5250.0$ MHz; $\text{cond} = 4.54$ S/m; $\text{perm} = 35.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7551; ConvF:(5.55,5.49,5.64); Calibrated: 2025-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1323; Calibrated: 2025-04-15
Phantom: Twin-SAM V4.0; Serial: 1447
Measurement SW: DASY Module SAR V16.4.0.5005

5250.0 MHz System Verification at 17.0 dBm (50 mW)

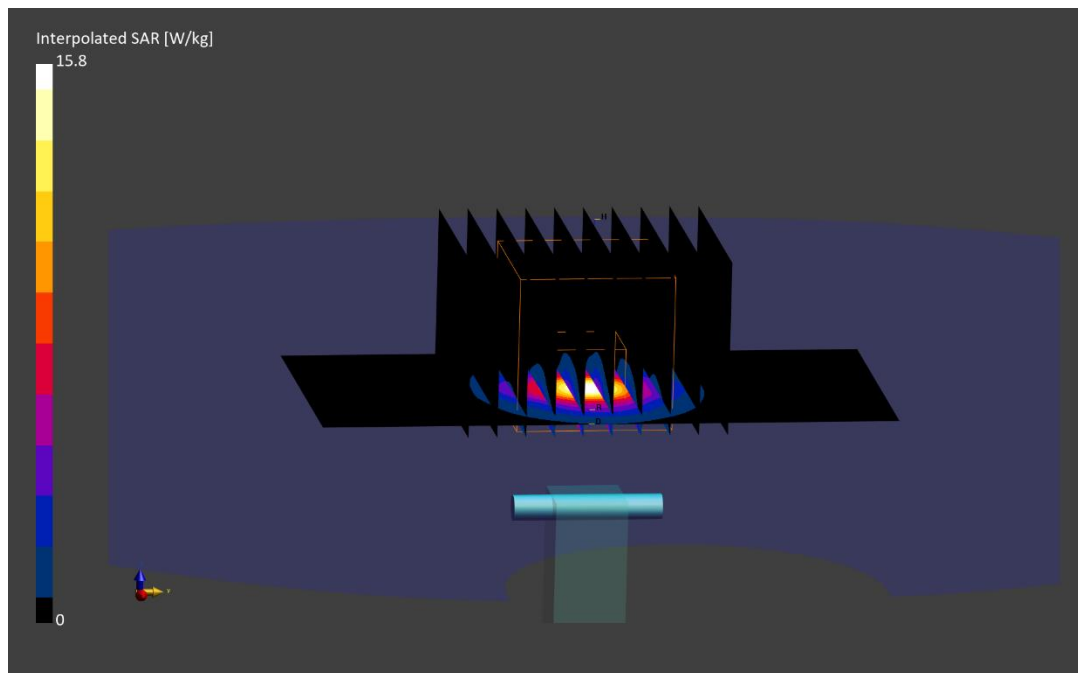
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 36.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 15.8 W/kg

SAR(1 g) = 3.86 W/kg; SAR(10 g) = 1.10 W/kg

Deviation (1 g) = -2.03%; Deviation (10 g) = -1.35%



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5600.0$ MHz; $\text{cond} = 4.94$ S/m; $\text{perm} = 34.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7551; ConvF:(5.01,4.95,5.09); Calibrated: 2025-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1323; Calibrated: 2025-04-15
Phantom: Twin-SAM V4.0; Serial: 1447
Measurement SW: DASY Module SAR V16.4.0.5005

5600.0 MHz System Verification at 17.0 dBm (50 mW)

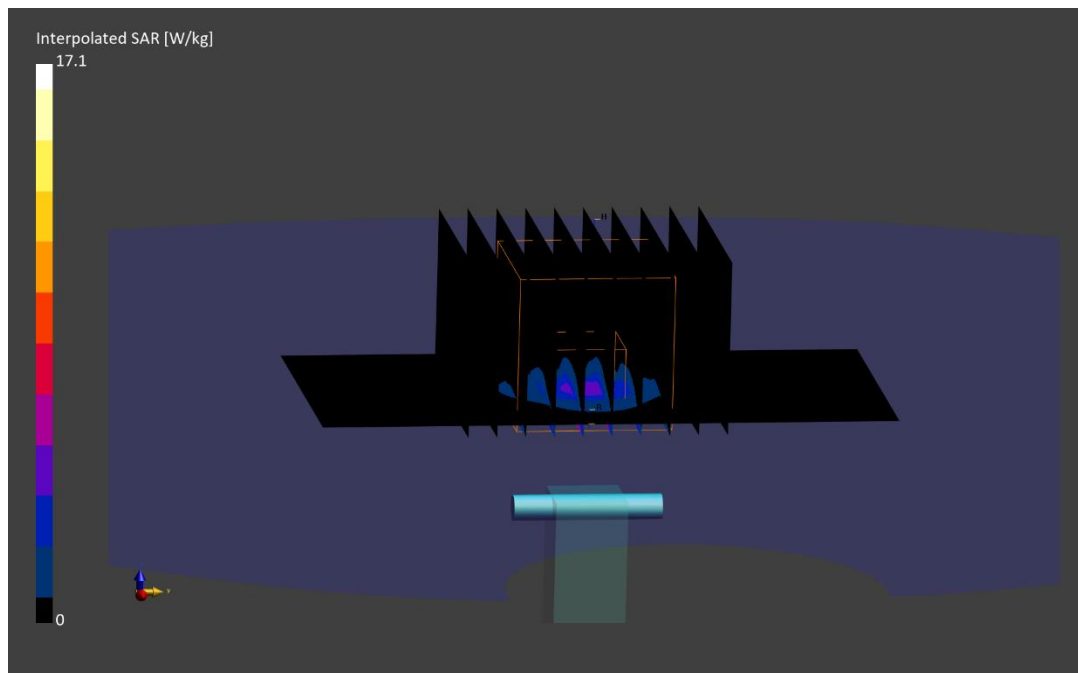
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 36.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 3.86 W/kg; SAR(10 g) = 1.08 W/kg

Deviation (1 g) = -4.57%; Deviation (10 g) = -6.09%



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5750.0$ MHz; $\text{cond} = 5.11$ S/m; $\text{perm} = 34.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7551; ConvF:(5.07,5.01,5.15); Calibrated: 2025-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1323; Calibrated: 2025-04-15
Phantom: Twin-SAM V4.0; Serial: 1447
Measurement SW: DASY Module SAR V16.4.0.5005

5750.0 MHz System Verification at 17.0 dBm (50 mW)

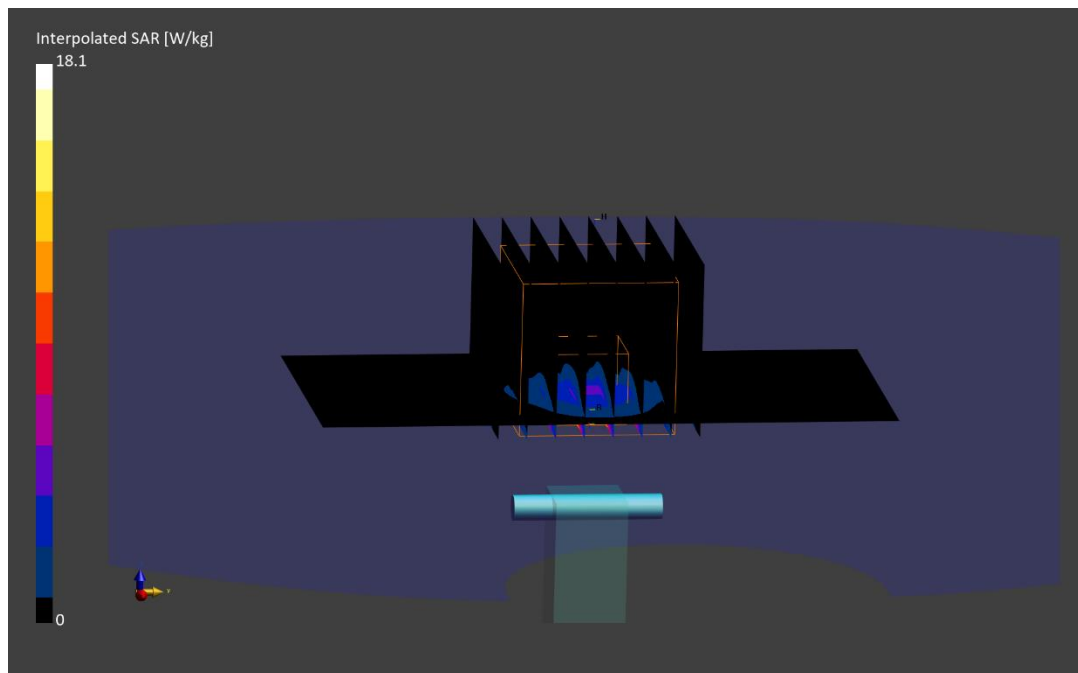
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 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) = 4.01 W/kg; SAR(10 g) = 1.14 W/kg

Deviation (1 g) = 2.69%; Deviation (10 g) = 3.17%



ELEMENT

DUT: Dipole 5850.0 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5850.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5850.0$ MHz; $\text{cond} = 5.22$ S/m; $\text{perm} = 34.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7551; ConvF:(4.94,4.88,5.02); Calibrated: 2025-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1323; Calibrated: 2025-04-15
Phantom: Twin-SAM V4.0; Serial: 1447
Measurement SW: DASY Module SAR V16.4.0.5005

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 (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 1.16 W/kg

Deviation (1 g) = 3.76%; Deviation (10 g) = 3.11%

