

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

FCC ID: IPH-05242	RF EXPOSURE TEST REPORT	Approved by: Technical Manager
DUT Type: Watch	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo. 	APPENDIX B

ELEMENT

DUT: Dipole 13.000 MHz; Type: CLA-13 - SN1002

Communication System: UID: 0, CW; Frequency: 13.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 13.000 MHz; cond = 0.768 S/m; perm = 57.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 0 mm

Test Date: 07/28/2026; Ambient Temp: 22.2°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7570; ConvF:(19.27,21.05,18.22); Calibrated: 2026-02-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn859; Calibrated: 2026-02-09
Phantom: ELI V8.0 (20deg probe tilt); Serial: 2077
Measurement SW: DASY Module SAR V16.4.0.5005

13.0 MHz System Verification at 30.0 dBm (1000 mW)

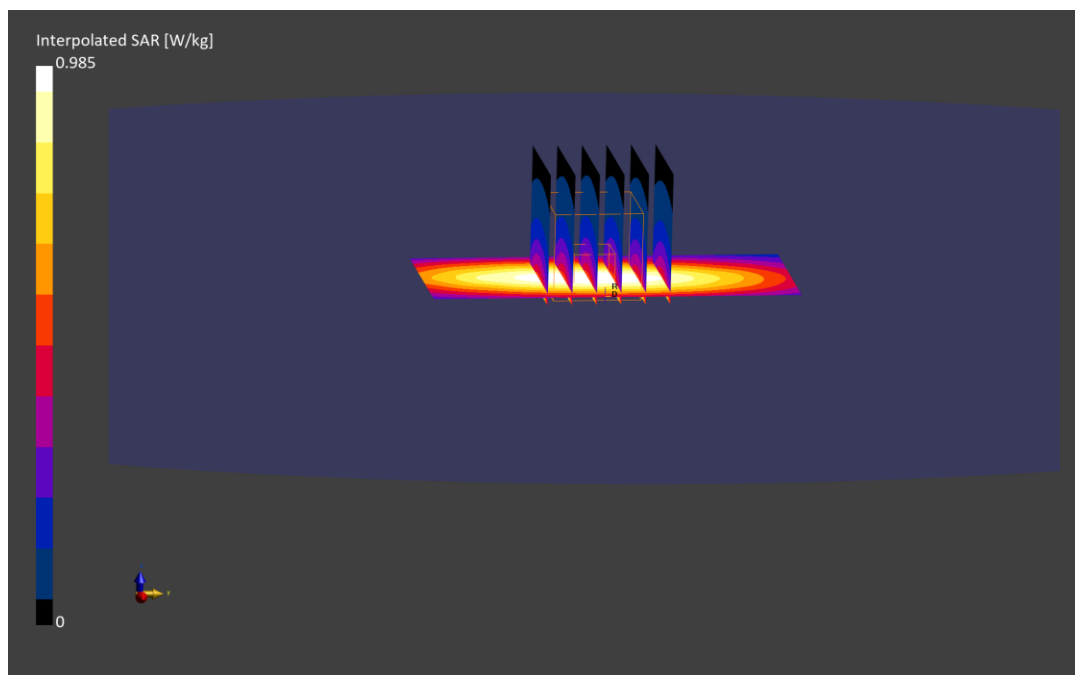
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 0.985 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.312 W/kg

Deviation (1 g) = -0.40%; Deviation (10 g) = -1.27%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1161

Communication System: UID: 0, CW; Frequency: 750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 750.000$ MHz; $\text{cond} = 0.916$ S/m; $\text{perm} = 43.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 08/10/2026; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7488; ConvF:(10.25,10.26,9.95); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1415; Calibrated: 2026-03-09

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V18.0.0.7250

750.0 MHz System Verification at 23.0 dBm (200 mW)

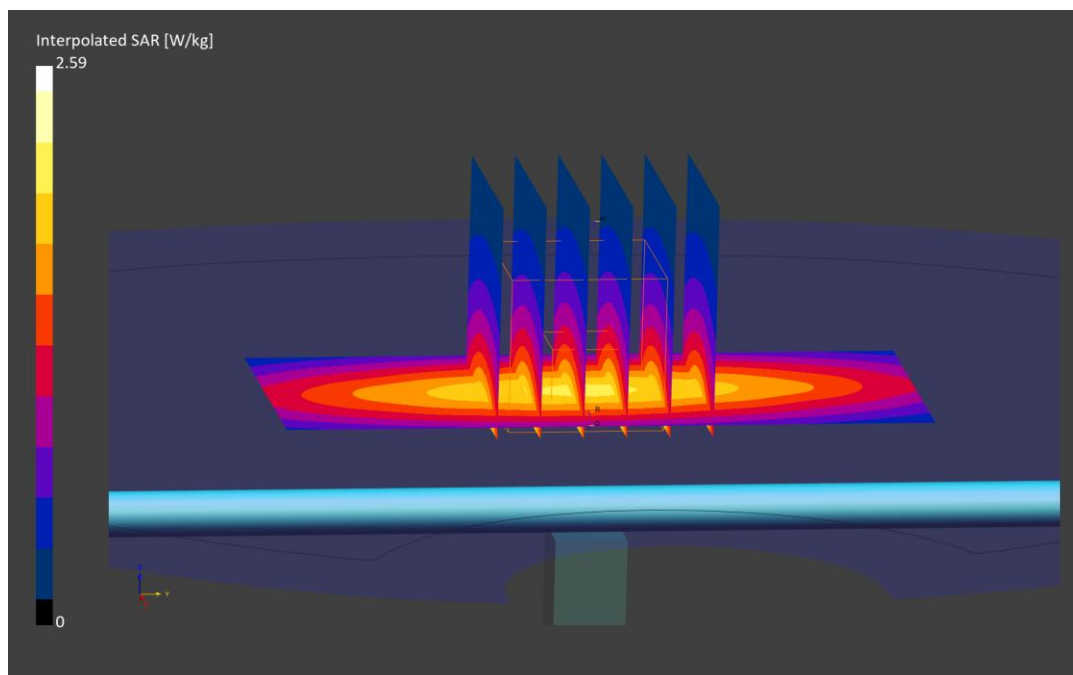
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.59 W/kg

SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.17 W/kg

Deviation (1 g) = 4.67%; Deviation (10 g) = 8.13%



ELEMENT

DUT: Dipole 1640.000 MHz; Type: D1640V2 - SN321

Communication System: UID: 0, CW; Frequency: 1640.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 1640.000$ MHz; $\text{cond} = 1.27$ S/m; $\text{perm} = 40.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 08/05/2026; Ambient Temp: 21.2°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7527; ConvF:(7.5,6.83,8.36); Calibrated: 2025-10-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn859; Calibrated: 2026-02-09
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.4.0.5005

1640.0 MHz System Verification at 20.0 dBm (100 mW)

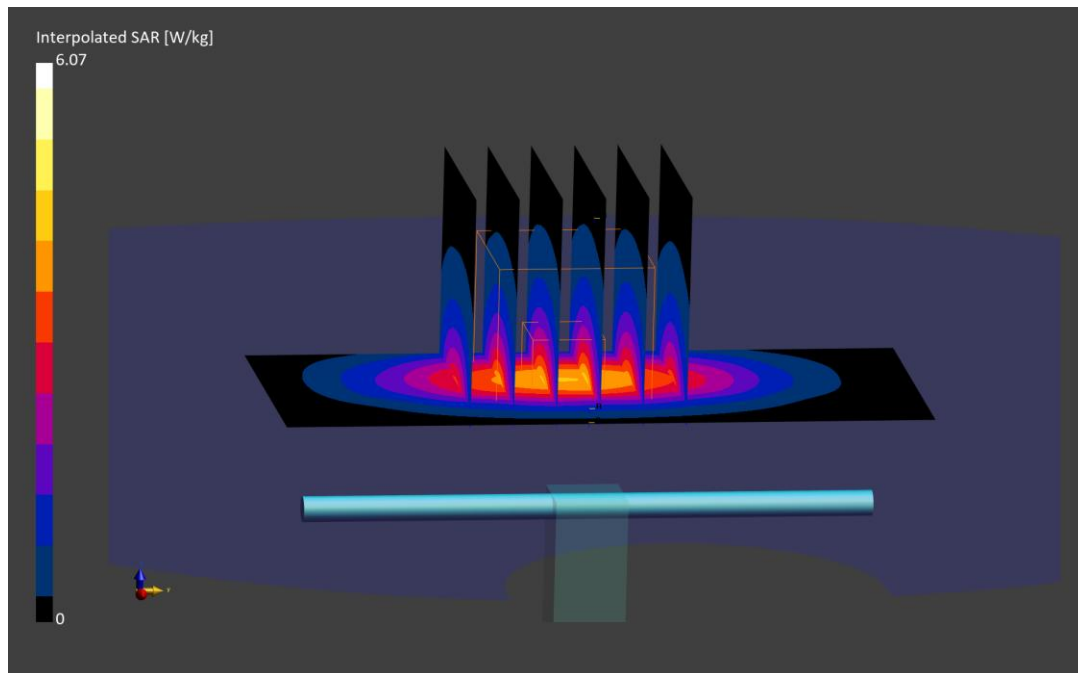
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 6.07 W/kg

SAR(1 g) = 3.48 W/kg; SAR(10 g) = 1.91 W/kg

Deviation (1 g) = 0.87%; Deviation (10 g) = 1.60%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1148

Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 1750.000 MHz; cond = 1.31 S/m; perm = 41.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 08/10/2026; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7488; ConvF:(8.54,8.54,8.28); Calibrated: 2026-03-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2026-03-09
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V18.0.0.7250

1750.0 MHz System Verification at 20.0 dBm (100 mW)

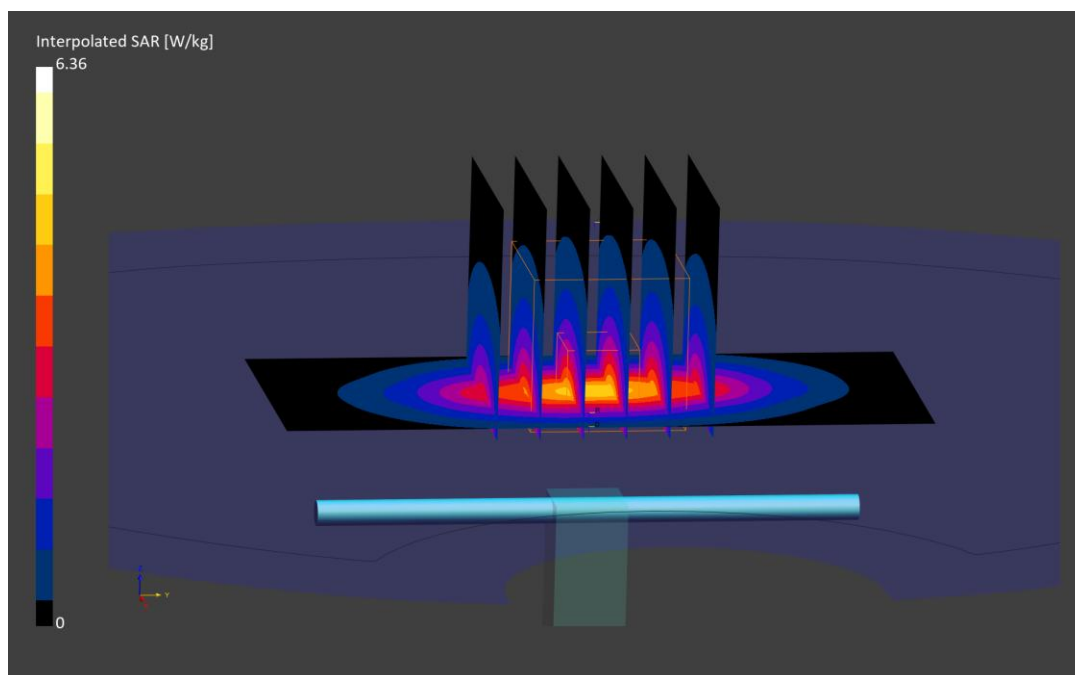
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 6.35 W/kg

SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.97 W/kg

Deviation (1 g) = -1.36%; Deviation (10 g) = 0.51%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d148

Communication System: UID: 0, CW; Frequency: 1900.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1900.000$ MHz; $\text{cond} = 1.41$ S/m; $\text{perm} = 39.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 08/05/2026; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7539; ConvF:(7.65,7.26,8.2); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V18.0.0.7250

1900.0 MHz System Verification at 20.0 dBm (100 mW)

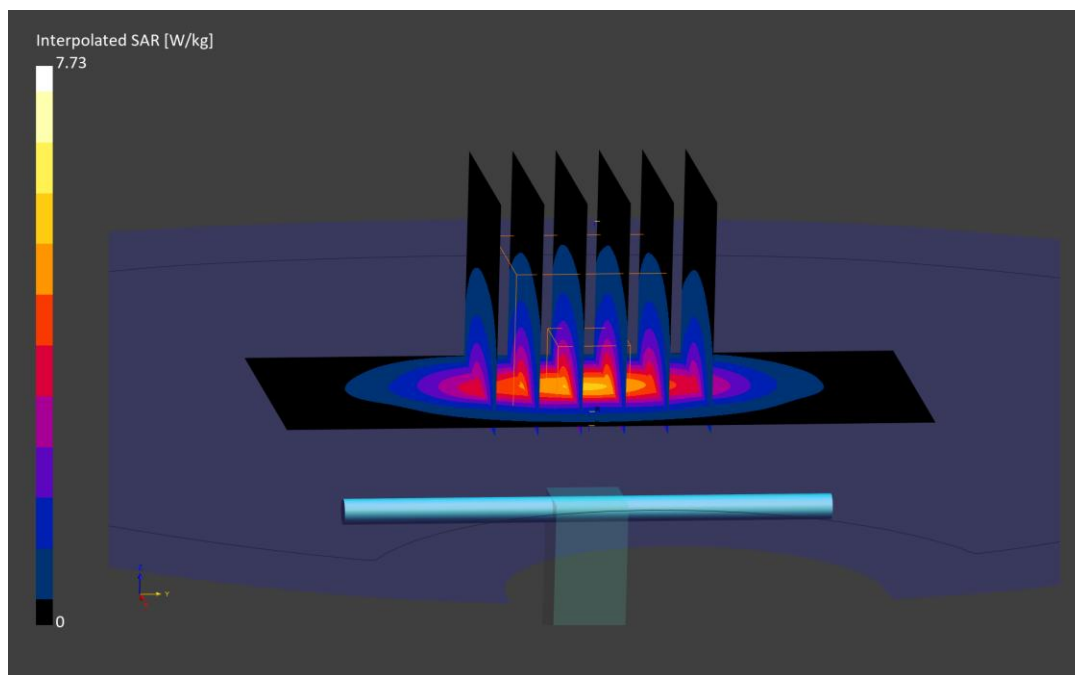
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 7.73 W/kg

SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.16 W/kg

Deviation (1 g) = 4.80%; Deviation (10 g) = 3.35%



ELEMENT

DUT: Dipole 2100.000 MHz; Type: D2100V2 - SN1070

Communication System: UID: 0, CW; Frequency: 2100.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2100.000$ MHz; $\text{cond} = 1.43$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 08/06/2026; Ambient Temp: 20.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7406; ConvF:(7.63,7.16,7.75); Calibrated: 2025-11-07

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

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

2100.0 MHz System Verification at 20.0 dBm (100 mW)

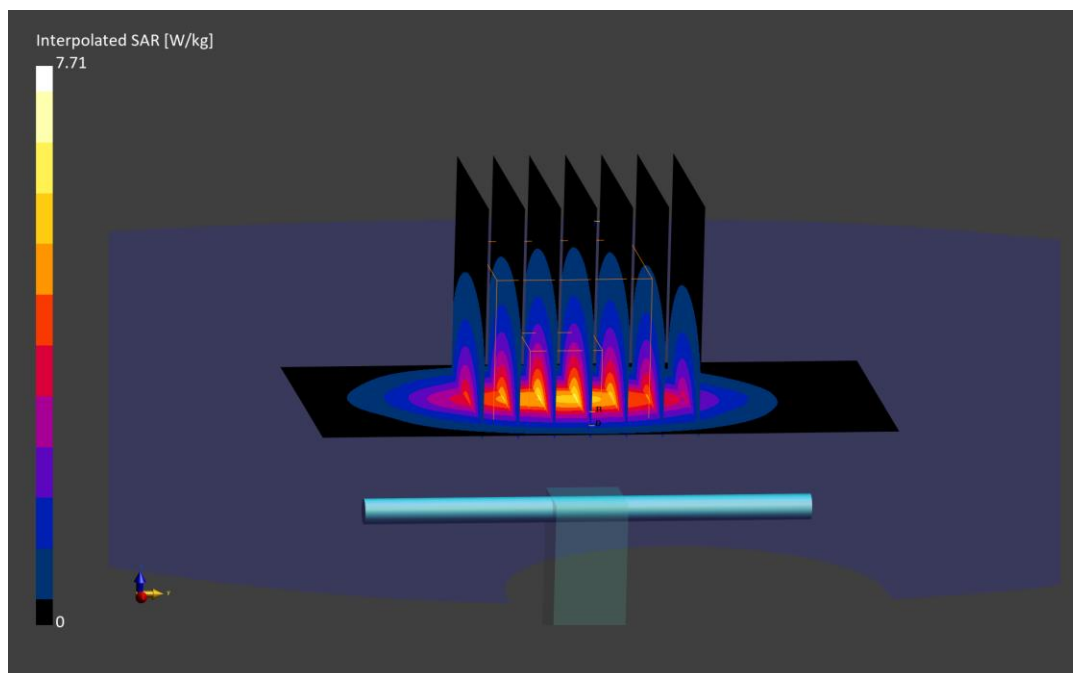
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 7.71 W/kg

SAR(1 g) = 4.24 W/kg; SAR(10 g) = 2.18 W/kg

Deviation (1 g) = -3.20%; Deviation (10 g) = -3.54%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN797

Communication System: UID: 0, CW; Frequency: 2450.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.79$ S/m; $\text{perm} = 39.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 7/27/2026; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

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) = 11.4 W/kg

SAR(1 g) = 5.67 W/kg; SAR(10 g) = 2.68 W/kg

Deviation (1 g) = 7.79%; Deviation (10 g) = 8.06%

