

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: CZO23L4N1; Type: Portable Defibrillator (With Modem); Serial:20256587

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 680.5 MHz

Medium: 750 Head; Medium parameters used:

$f = 680.5$ MHz; $\text{cond} = 0.853$ S/m; $\text{perm} = 42.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/23/2024; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.96,9.96,9.96); Calibrated: 2023-07-07

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

Electronics: DAE4 Sn1677; Calibrated: 2023-07-10

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 71, Back Side, Ch. Mid,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

Area Scan (1020.0 x 1020.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (36.0 x 36.0 x 30.0): Measurement grid: $dx=6.0$ mm, $dy=6.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

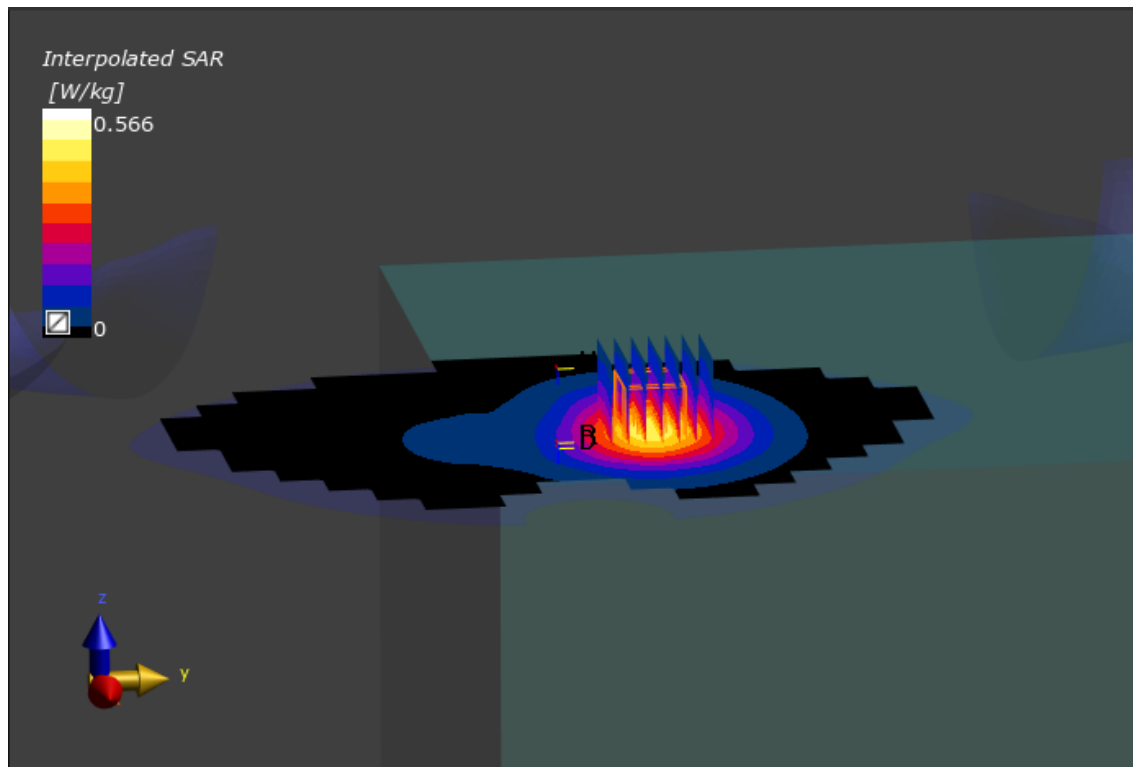
Reference Value = 0.35 W/kg; Power Drift = 0.08

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.397 W/kg;

Smallest distance from peaks to all points 3 dB below is 35.0 mm

Ratio of SAR at M2 to SAR at M1 = 88.7 %



ELEMENT

DUT: CZO23L4N1; Type: Portable Defibrillator (With Modem); Serial:20256587

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 707.5 MHz

Medium: 750 Head; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.862$ S/m; $\text{perm} = 42.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/23/2024; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.96,9.96,9.96); Calibrated: 2023-07-07

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

Electronics: DAE4 Sn1677; Calibrated: 2023-07-10

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 12, Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

Area Scan (1020.0 x 1020.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

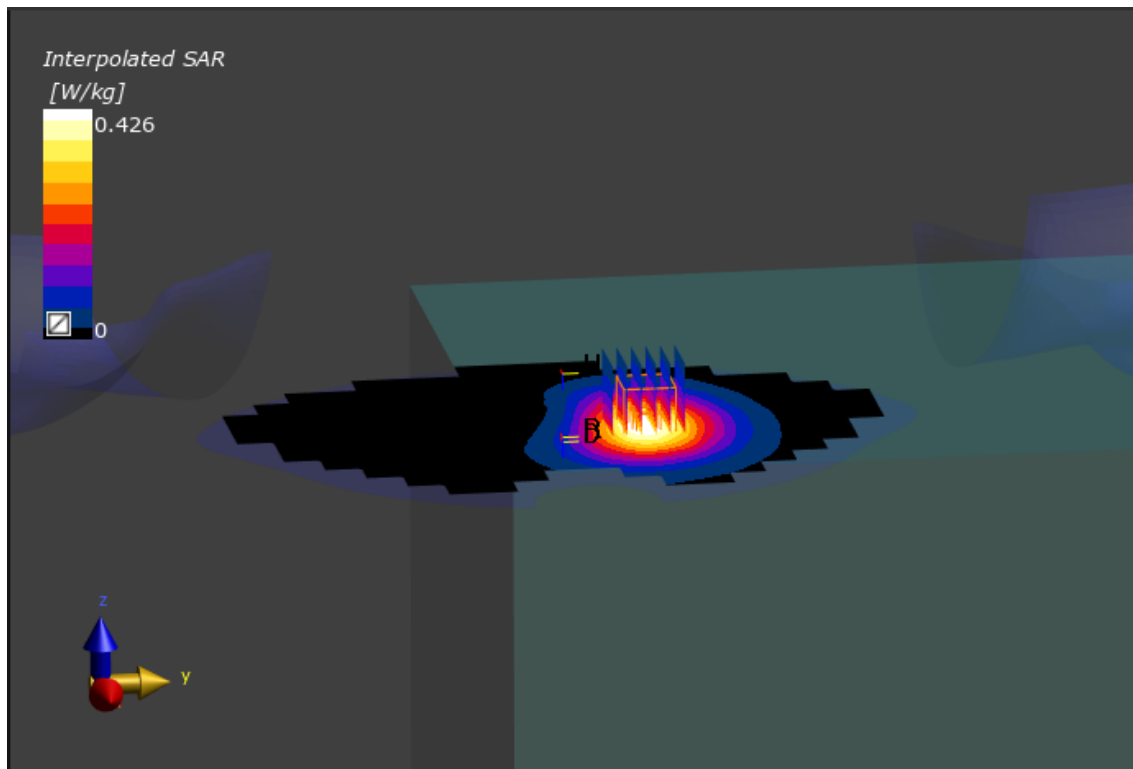
Reference Value = 0.07 W/kg; Power Drift = -0.16

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.296 W/kg;

Smallest distance from peaks to all points 3 dB below is > 15.0 mm

Ratio of SAR at M2 to SAR at M1 = 89.6 %



ELEMENT

DUT: CZO23L4N1; Type: Portable Defibrillator (With Modem); Serial:20256587

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz

Medium: 750 Head; Medium parameters used:

$f = 782.0$ MHz; $\text{cond} = 0.887$ S/m; $\text{perm} = 42.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/23/2024; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.96,9.96,9.96); Calibrated: 2023-07-07

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

Electronics: DAE4 Sn1677; Calibrated: 2023-07-10

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 13, Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset**

Area Scan (1020.0 x 1020.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

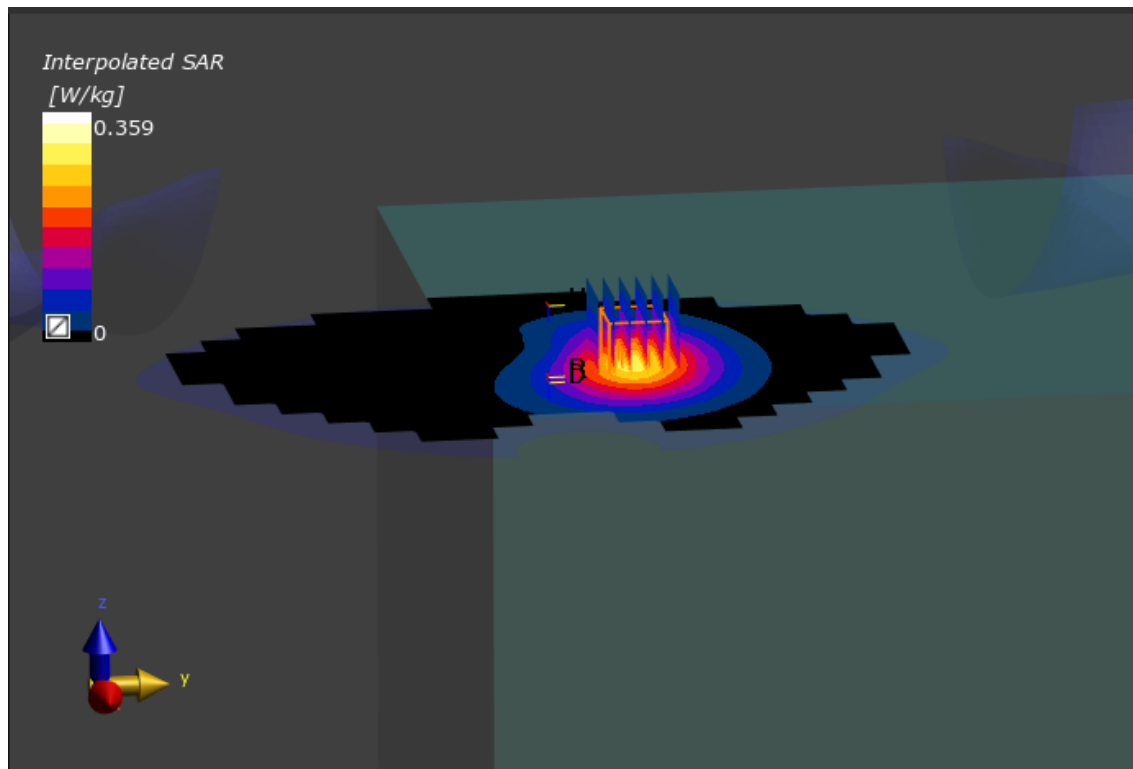
Reference Value = 0.24 W/kg; Power Drift = 0.04

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.252 W/kg;

Smallest distance from peaks to all points 3 dB below is > 15.0 mm

Ratio of SAR at M2 to SAR at M1 = 88.7 %



ELEMENT

DUT: CZO23L4N1; Type: Portable Defibrillator (With Modem); Serial:20256587

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 793.0 MHz

Medium: 750 Head; Medium parameters used:

$f = 793.0$ MHz; $\text{cond} = 0.891$ S/m; $\text{perm} = 42.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/23/2024; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.96,9.96,9.96); Calibrated: 2023-07-07

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

Electronics: DAE4 Sn1677; Calibrated: 2023-07-10

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 14, Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset**

Area Scan (1020.0 x 1020.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (36.0 x 36.0 x 30.0): Measurement grid: $dx=6.0$ mm, $dy=6.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

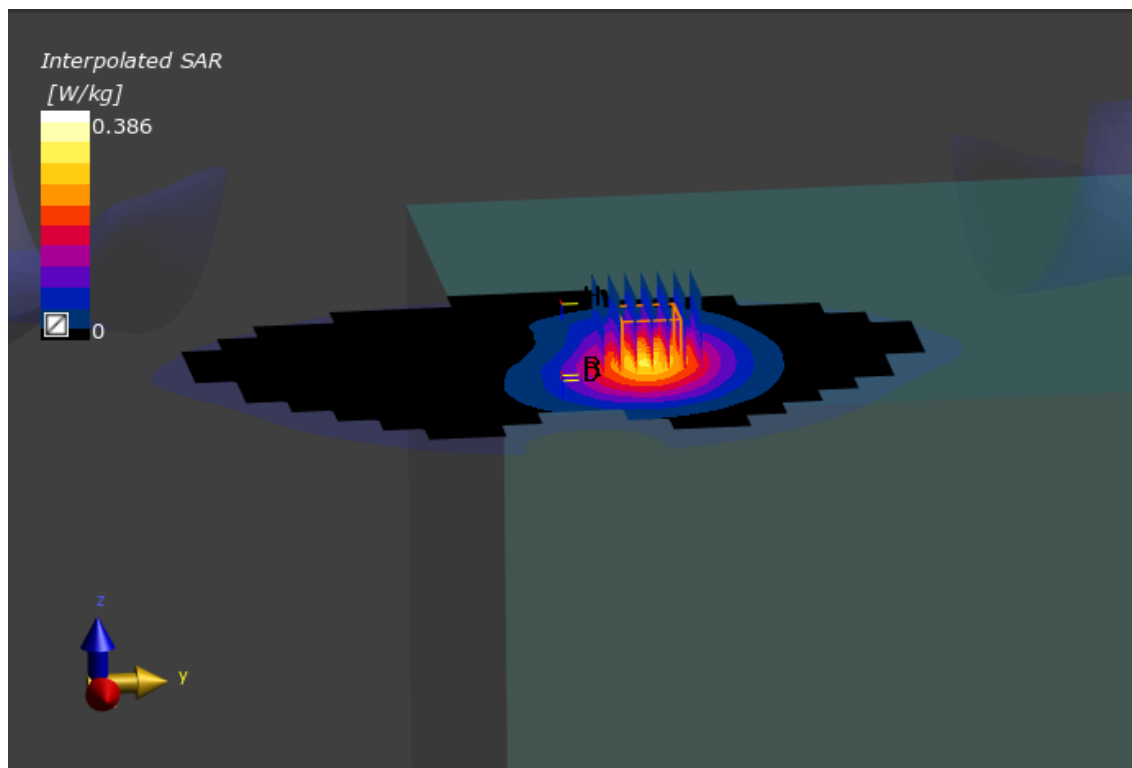
Reference Value = 0.08 W/kg; Power Drift = 0.04

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.267 W/kg;

Smallest distance from peaks to all points 3 dB below is 28.2 mm

Ratio of SAR at M2 to SAR at M1 = 89.3 %



ELEMENT

DUT: CZO23L4N1; Type: Portable Defibrillator (With Modem); Serial:20256587

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Head; Medium parameters used:

f = 836.5 MHz; cond = 0.908 S/m; perm = 42.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/23/2024; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.71,9.71,9.71); Calibrated: 2023-07-07

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

Electronics: DAE4 Sn1677; Calibrated: 2023-07-10

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: Mode: LTE Band 5, Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (1020.0 x 1020.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

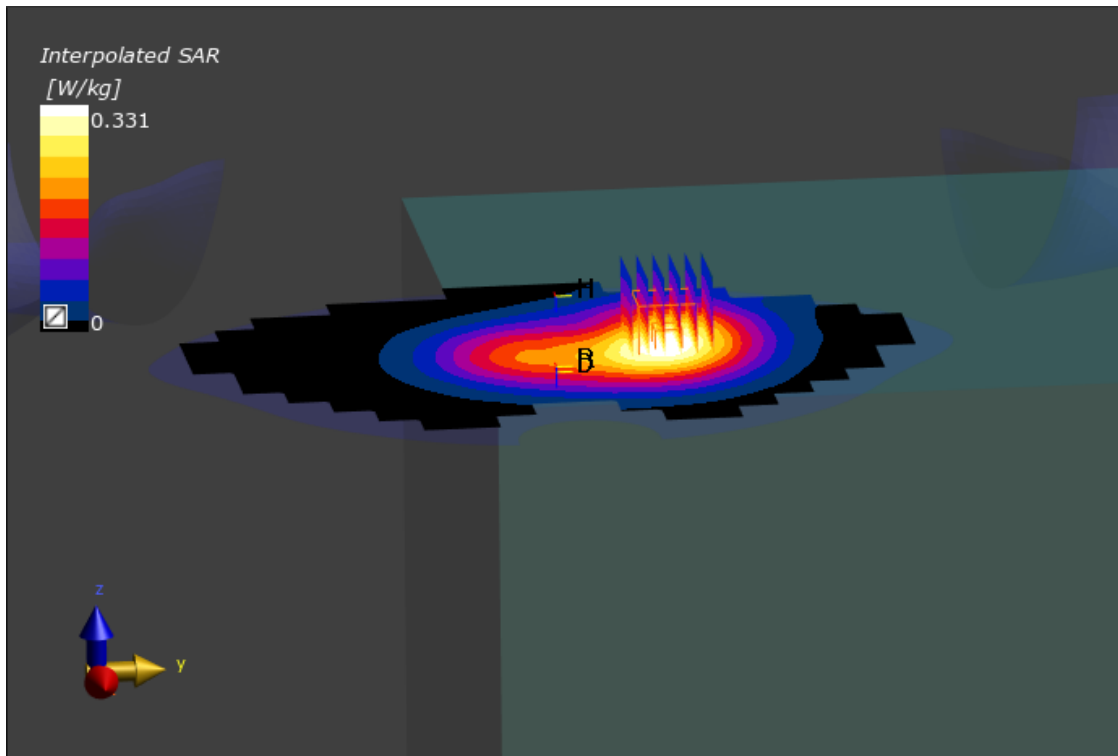
Reference Value = 0.16 W/kg; Power Drift = -0.06

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.228 W/kg;

Smallest distance from peaks to all points 3 dB below is > 15.0 mm

Ratio of SAR at M2 to SAR at M1 = 87.0 %



ELEMENT

DUT: CZO23L4N1; Type: Portable Defibrillator (With Modem); Serial:20256587

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz

Medium: 1750 Head; Medium parameters used:

f = 1770.0 MHz; cond = 1.33 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/22/2024; Ambient Temp: 20.3°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7406; ConvF:(8.33,8.33,8.33); Calibrated: 2023-07-07

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

Electronics: DAE4 Sn1677; Calibrated: 2023-07-10

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66, Back Side, Ch. High,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

Area Scan (1020.0 x 1020.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

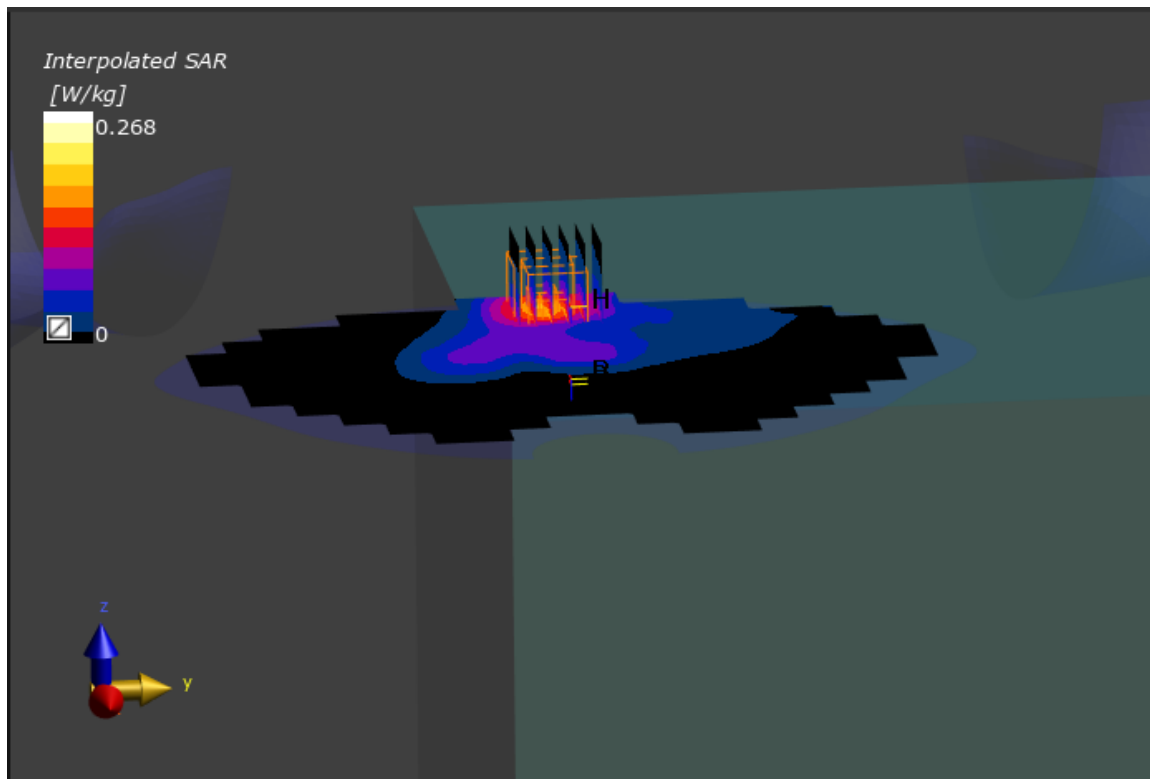
Reference Value = 0.05 W/kg; Power Drift = 0.15

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.163 W/kg;

Smallest distance from peaks to all points 3 dB below is 17.8 mm

Ratio of SAR at M2 to SAR at M1 = 84.2 %



ELEMENT

DUT: CZO23L4N1; Type: Portable Defibrillator (With Modem); Serial:20256587

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.39 S/m; perm = 39.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/22/2024; Ambient Temp: 20.3°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7406; ConvF:(8.03,8.03,8.03); Calibrated: 2023-07-07

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

Electronics: DAE4 Sn1677; Calibrated: 2023-07-10

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 2, Back Side, Ch. High,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

Area Scan (1020.0 x 1020.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

Reference Value = 0.60 W/kg; Power Drift = 0.12

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.621 W/kg;

Smallest distance from peaks to all points 3 dB below is 18.8 mm

Ratio of SAR at M2 to SAR at M1 = 83.5 %

