

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10658; Frequency: 1621.0 MHz
Medium: 1640 Head; Medium parameters used:
f = 1621.0 MHz; cond = 1.27 S/m; perm = 39.7; density = 1000 kg/m³
Phantom Section: Right Head

Test Date: 01/31/2022; Ambient Temp: 23.1°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7416; ConvF:(8.15,8.15,8.15); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

Mode: Iridium, Antenna A, Right Cheek, Ch 121

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

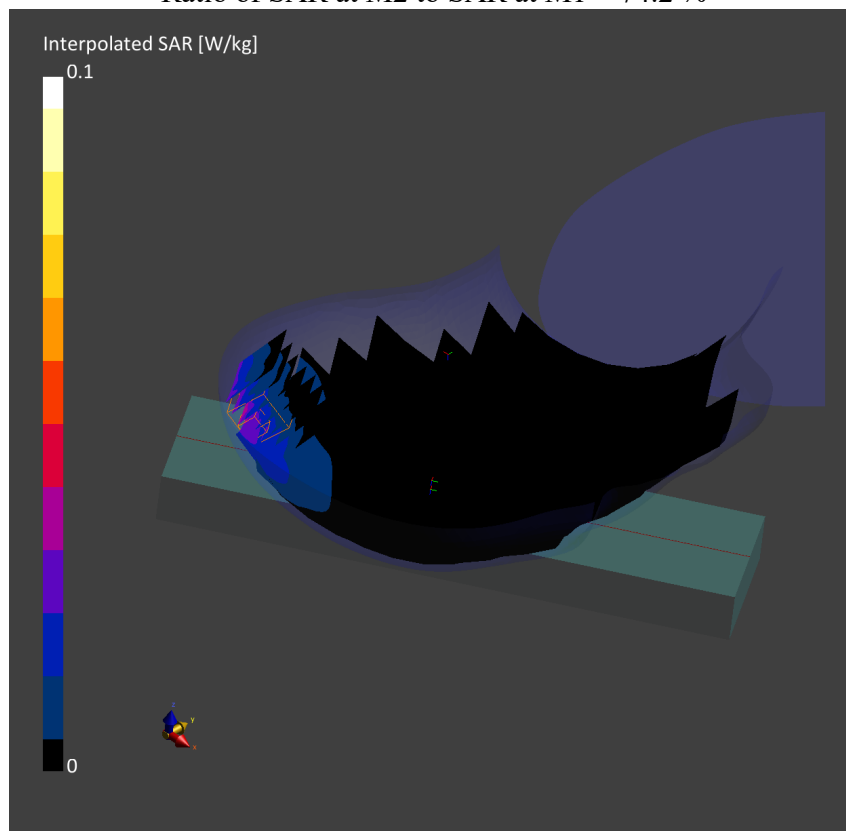
Reference Value = 0.03 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.057 W/kg

SAR(1 g) = 0.030 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 = 74.2 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2462.0 MHz; cond = 1.83 S/m; perm = 39.1; density = 1000 kg/m³
Phantom Section: Right Head

Test Date: 12/06/2021; Ambient Temp: 22.1°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7416; ConvF:(7.12,7.12,7.12); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

**Mode: IEEE 802.11b, Antenna B, 22 MHz Bandwidth,
Right Head, Cheek, Ch.11, 1 Mbps**

Area Scan (100.0 x 320.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

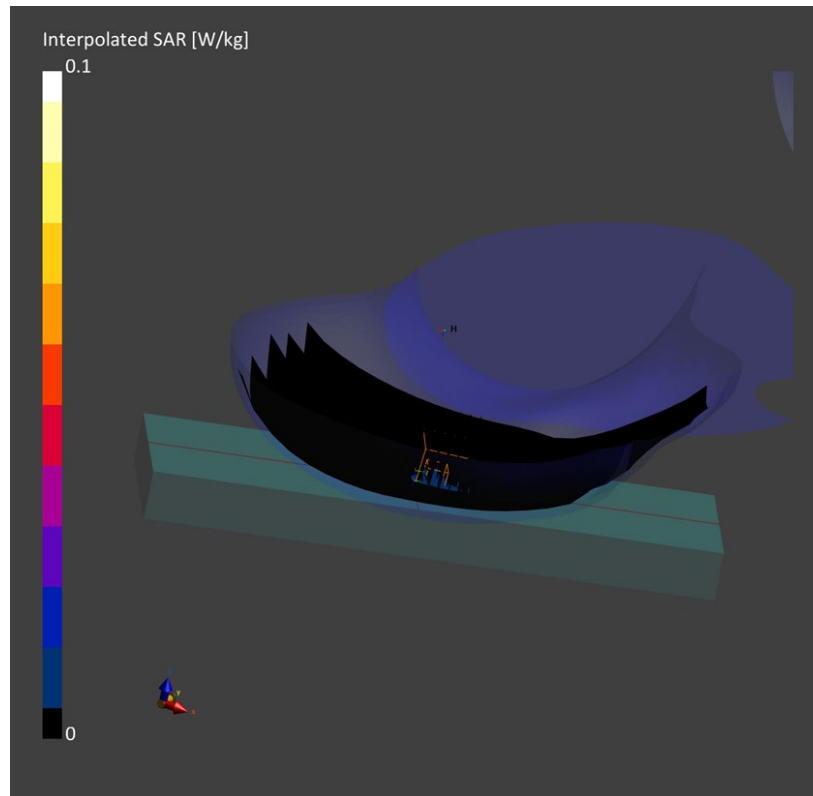
Reference Value = 0.00 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.024 W/kg

SAR(1 g) = 0.019 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 = 86.4 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz
Medium: 1640 Head; Medium parameters used:
f = 2402.0 MHz; cond = 1.80 S/m; perm = 39.4; density = 1000 kg/m³
Phantom Section: Right Head

Test Date: 01/25/2022; Ambient Temp: 21.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7416; ConvF:(7.12,7.12,7.12); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

Mode: Bluetooth, Antenna B, Right Head, Tilt, Ch. 0, 1 Mbps

Area Scan (100.0 x 320.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

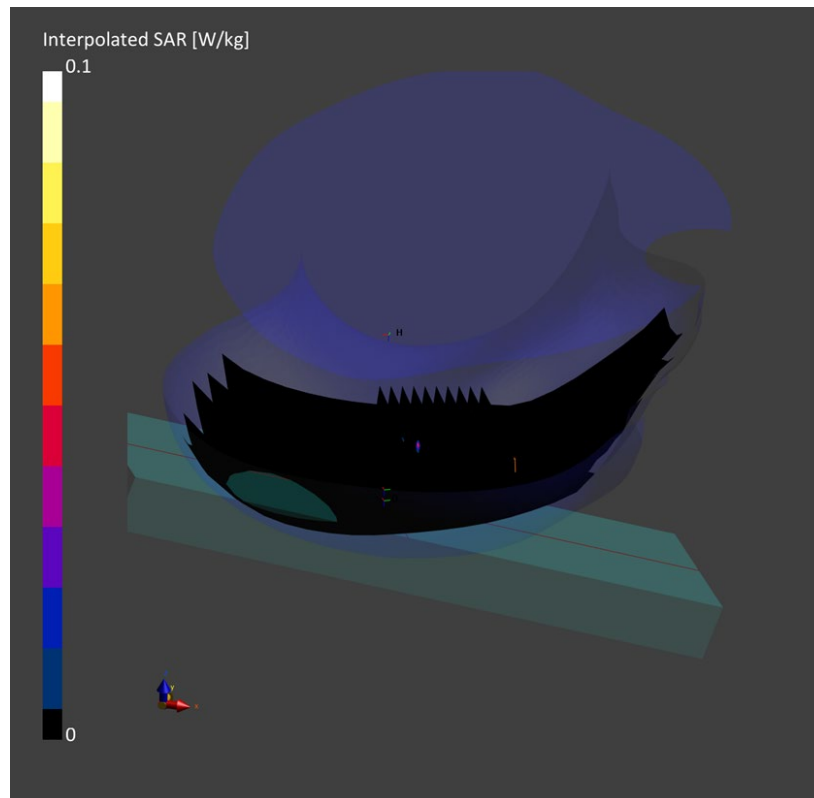
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.00 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.00 W/kg

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



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10658; Frequency: 1621.0 MHz
Medium: 1640 Head; Medium parameters used:
f = 1621.0 MHz; cond = 1.24 S/m; perm = 39.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 25.00 mm

Test Date: 12/06/2021; Ambient Temp: 21.1°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7416; ConvF:(8.15,8.15,8.15); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

Mode: Iridium, Antenna A, PTT Face SAR, Front Side, Ch. 121

Area Scan (120.0 x 300.0): 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

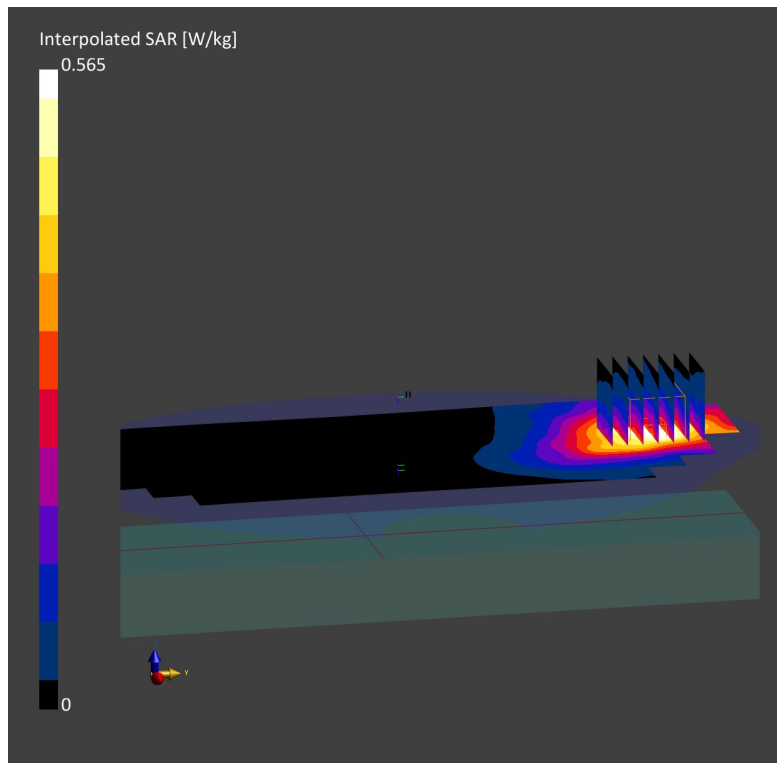
Reference Value = 0.00 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.358 W/kg

Smallest distance from peaks to all points 3 dB below is 24.6 mm

Ratio of SAR at M2 to SAR at M1 = 82.7 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2462.0 MHz; cond = 1.82 S/m; perm = 38.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 25.00 mm

Test Date: 01/31/2022; Ambient Temp: 23.1°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7416; ConvF:(7.12,7.12,7.12); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

**Mode: IEEE 802.11b, 22 MHz Bandwidth, Antenna B,
PTT Face SAR, Front side, Ch. 11, 1 Mbps**

Area Scan (100.0 x 100.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

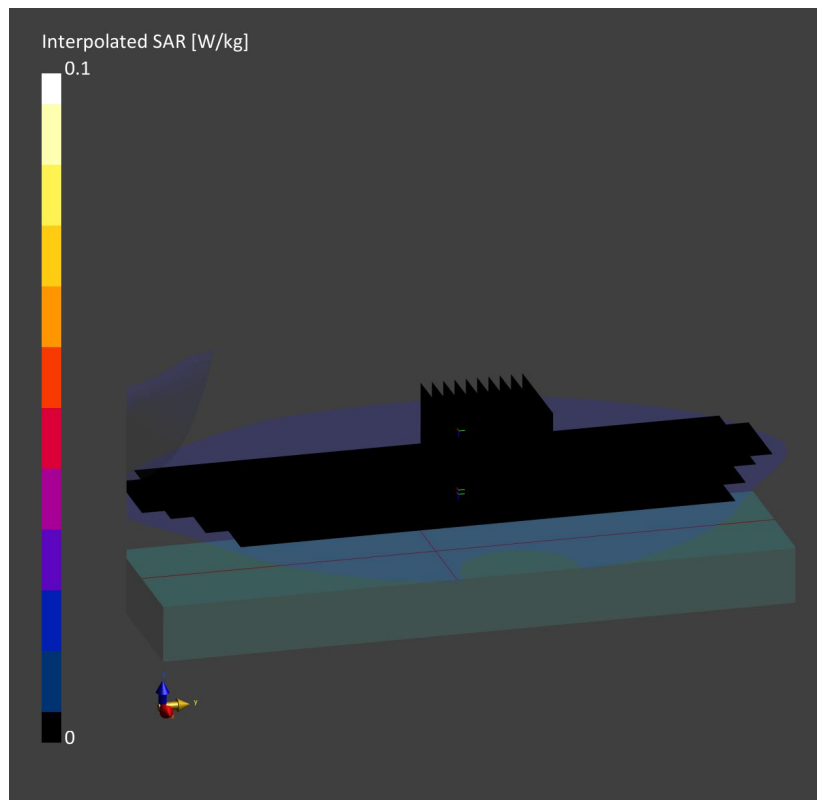
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.00 W/kg; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.007 W/kg

SAR(1 g) = 0.00 W/kg

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



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2402.0 MHz; cond = 1.77 S/m; perm = 38.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 25.00 mm

Test Date: 01/31/2022; Ambient Temp: 23.1°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7416; ConvF:(7.12,7.12,7.12); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

Mode: Bluetooth, PTT Face SAR, Antenna B, Ch. 0, 1 Mbps, Front Side

Area Scan (100.0 x 320.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

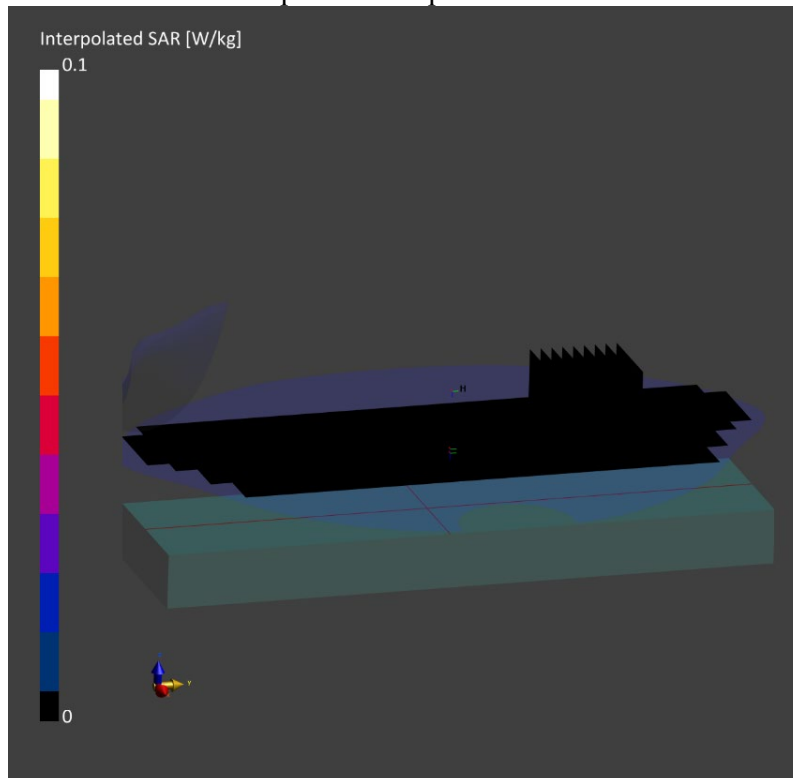
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.00 W/kg; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0 W/kg

SAR(1 g) = 0 W/kg

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



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10658; Frequency: 1621.0 MHz
Medium: 1640 Body; Medium parameters used:
f = 1621.0 MHz; cond = 1.41 S/m; perm = 52.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/06/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7416; ConvF:(8.14,8.14,8.14); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

Mode: Iridium, Antenna A, Body Worn SAR, Back Side, Ch.121

Area Scan (120.0 x 330.0): 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

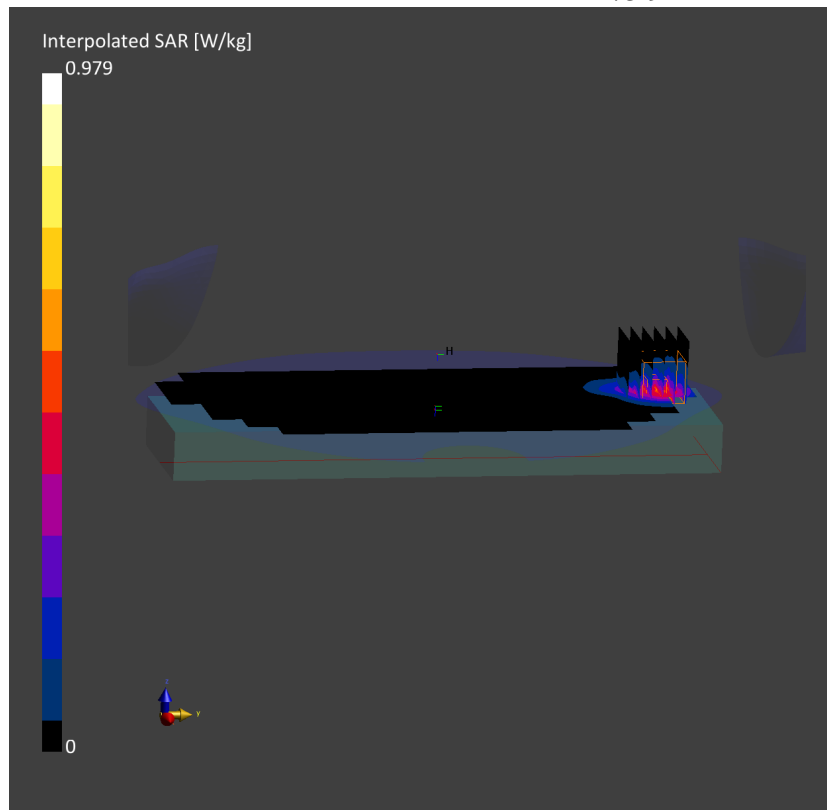
Reference Value = 0.65 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.484 W/kg

Smallest distance from peaks to all points 3 dB below is 6.5 mm

Ratio of SAR at M2 to SAR at M1 = 73.9 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2462.0 MHz; cond = 2.04 S/m; perm = 52.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/29/2021; Ambient Temp: 21.4°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

**Mode: IEEE 802.11b, 22 MHz Bandwidth, Antenna B,
Body Worn SAR, Back Side, Ch 11, 1 Mbps**

Area Scan (100.0 x 160.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

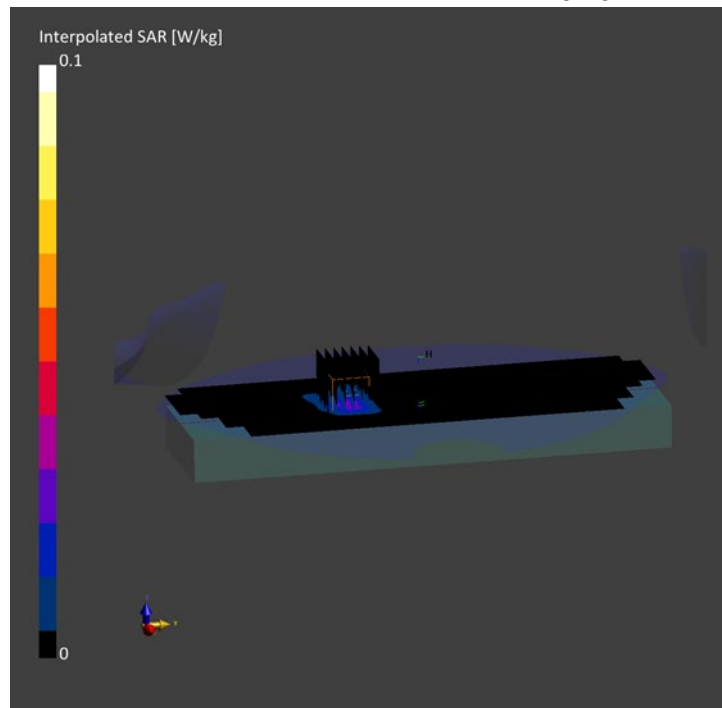
Reference Value = 0.05 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.059 W/kg

SAR(1 g) = 0.000 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 = 82.8 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2402.0 MHz; cond = 1.90 S/m; perm = 51.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/24/2022; Ambient Temp: 21.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn701; Calibrated: 2021-05-11

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: cDASY Module SAR V16.0.0.116

Mode: Bluetooth, Body worn SAR, Antenna B, Ch. 0, 1 Mbps, Back Side

Area Scan (100.0 x 300.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

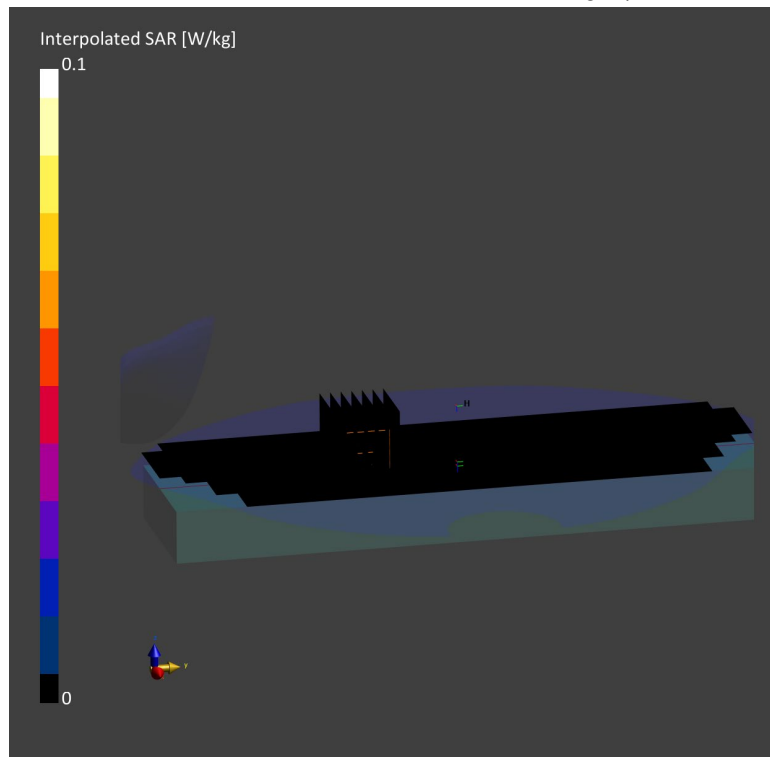
Reference Value = 0.00 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.003 W/kg

SAR(1 g) = 0 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 = 82.7 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10658; Frequency: 1621.0 MHz
Medium: 1640 Body; Medium parameters used:
f = 1621.0 MHz; cond = 1.38 S/m; perm = 52.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 02/07/2022; Ambient Temp: 20.3°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7416; ConvF:(8.14,8.14,8.14); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

Mode: Iridium, Antenna A, Extremity SAR, Top Edge, Ch.121

Area Scan (60.0 x 120.0): 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

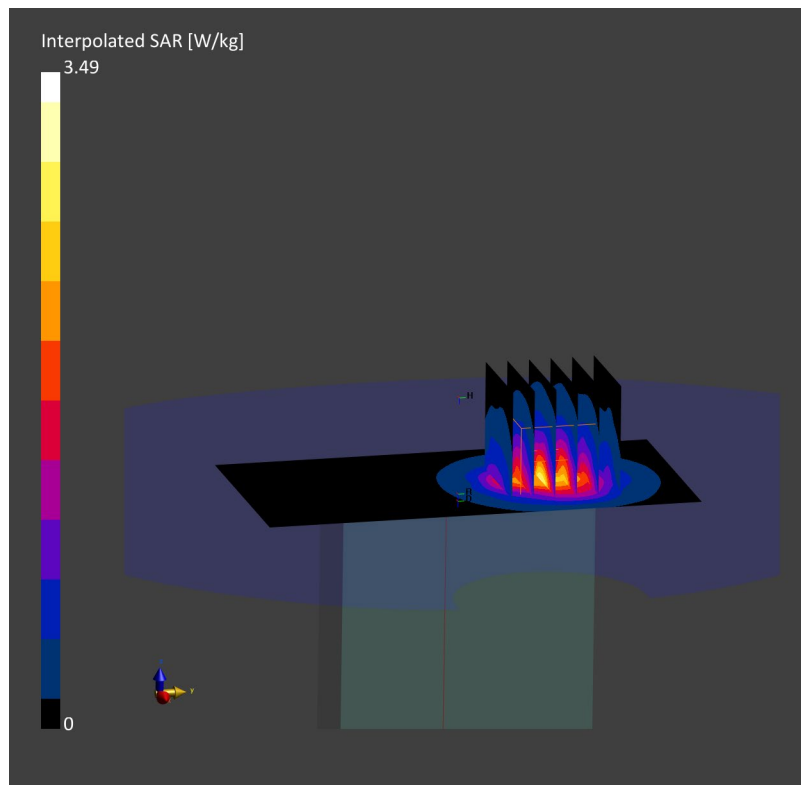
Reference Value = 3.47 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.78 W/kg

SAR(10 g) = 1.55 W/kg

Smallest distance from peaks to all points 3 dB below is 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 92.4 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2462.0 MHz; cond = 2.04 S/m; perm = 52.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/29/2021; Ambient Temp: 21.4°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: cDASY6 Module SAR V16.0.0.116

**Mode: IEEE 802.11b, 22 MHz Bandwidth, Extremity SAR,
Front Side, Ch 11, 1 Mbps**

Area Scan (100.0 x 160.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

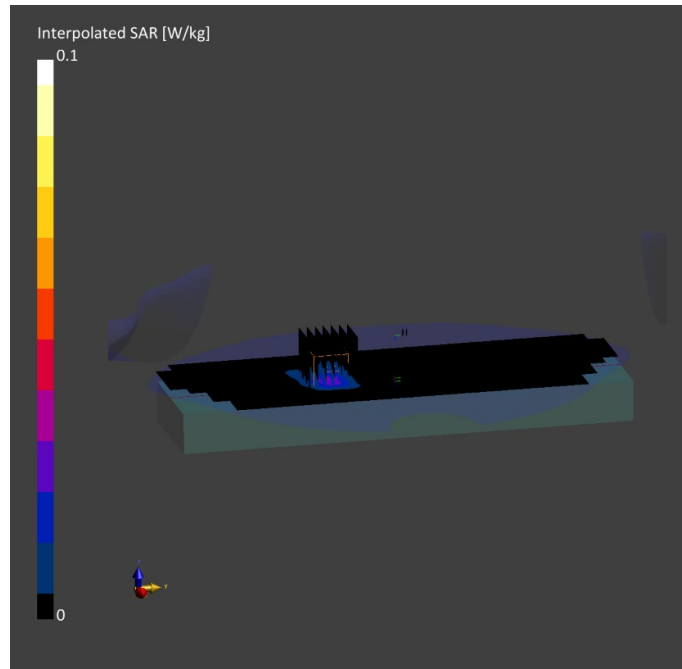
Reference Value = 0.05 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.059 W/kg

SAR(10 g) = 0.016 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 = 82.8 %



ELEMENT

DUT: 2AXMS-SHOUTSPR1; Type: Shout sp Handheld Iridium Smartphone; Serial: IRID0425G03

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.90$ S/m; $\text{perm} = 51.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/24/2022; Ambient Temp: 21.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn701; Calibrated: 2021-05-11

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: cDASY6 Module SAR V16.0.0.116

Mode: Bluetooth, Extremity SAR, Ch.0, 1 Mbps, Front Side

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

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

Reference Value = 0.00 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.017 W/kg

SAR(10 g) = 0 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 = 99.5 %

