APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0208M

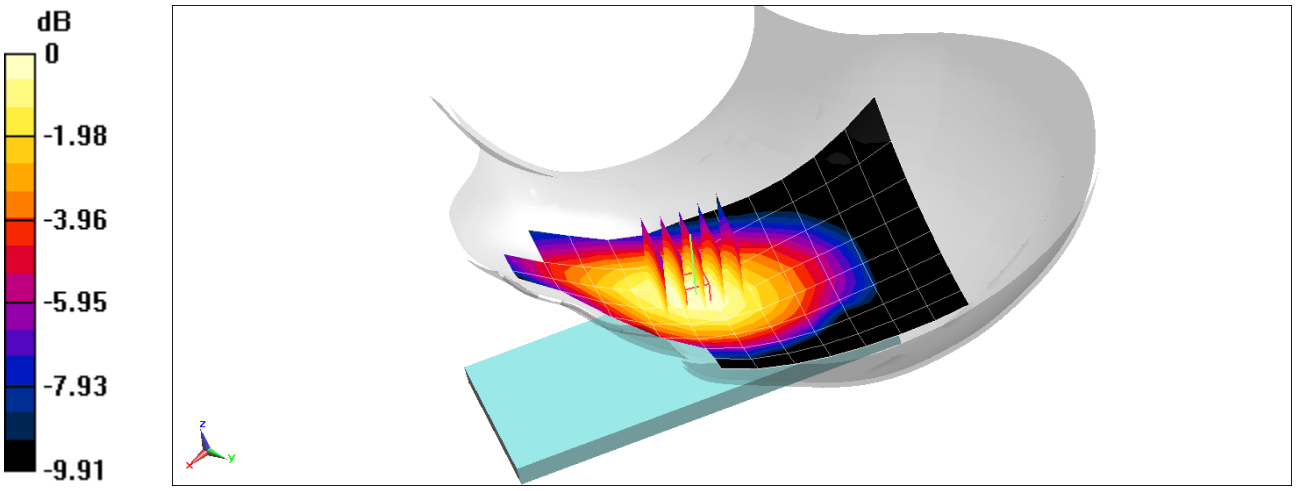
Communication System: UID 0, GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 824.2 MHz; σ = 0.912 S/m; ε_r = 41.447; ρ = 1000 kg/m^3
Phantom section: Left Section;

Test Date: 09/21/2022; Ambient Temp: 20.6°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 824.2 MHz; Calibrated: 3/22/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/14/2022
Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: GSM 850, Antenna A, Left Head, Cheek, Low.ch

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.32 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.133 W/kg
Smallest distance from peaks to all points 3 dB below = 22.7 mm
Ratio of SAR at M2 to SAR at M1 = 80.8%



0 dB = 0.155 W/kg = -8.10 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0181M

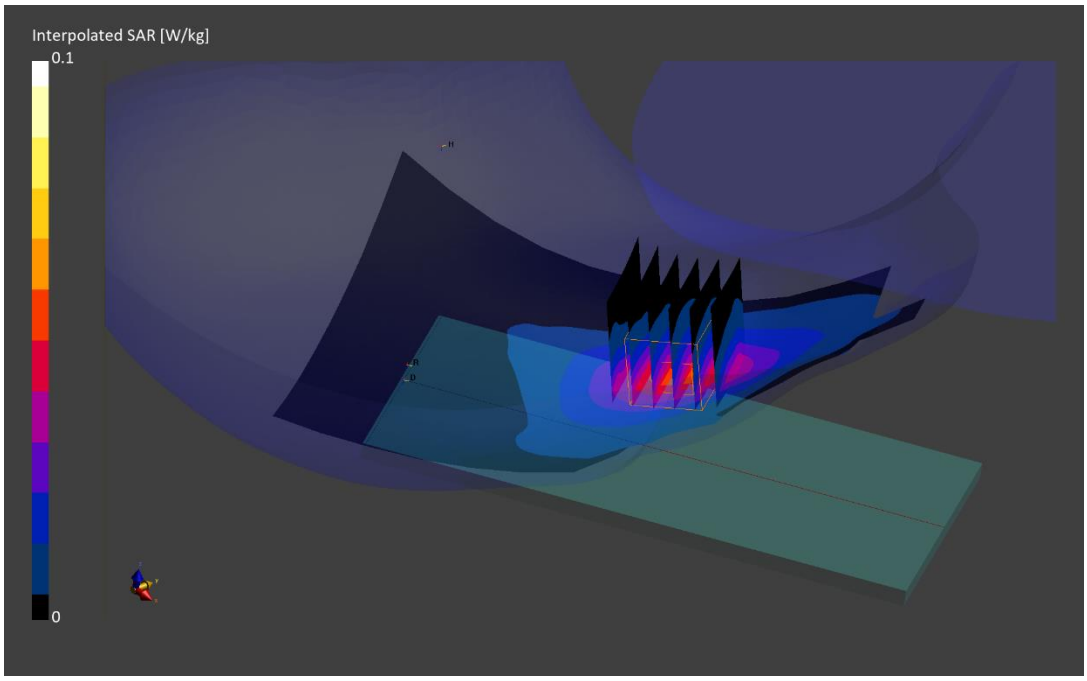
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz
Medium: 1900 Head; Medium parameters used:
f = 1909.8 MHz; cond = 1.44 S/m; perm = 40.1; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.0.°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna A, Right Head, Cheek, High Ch.

Area Scan (120.0 x 210.0): 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 = -0.11 dB
Peak SAR (extrapolated) = 0.067 W/kg
SAR(1 g) = 0.044 W/kg
Smallest distance from peaks to all points 3 dB below is 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 87.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0208M

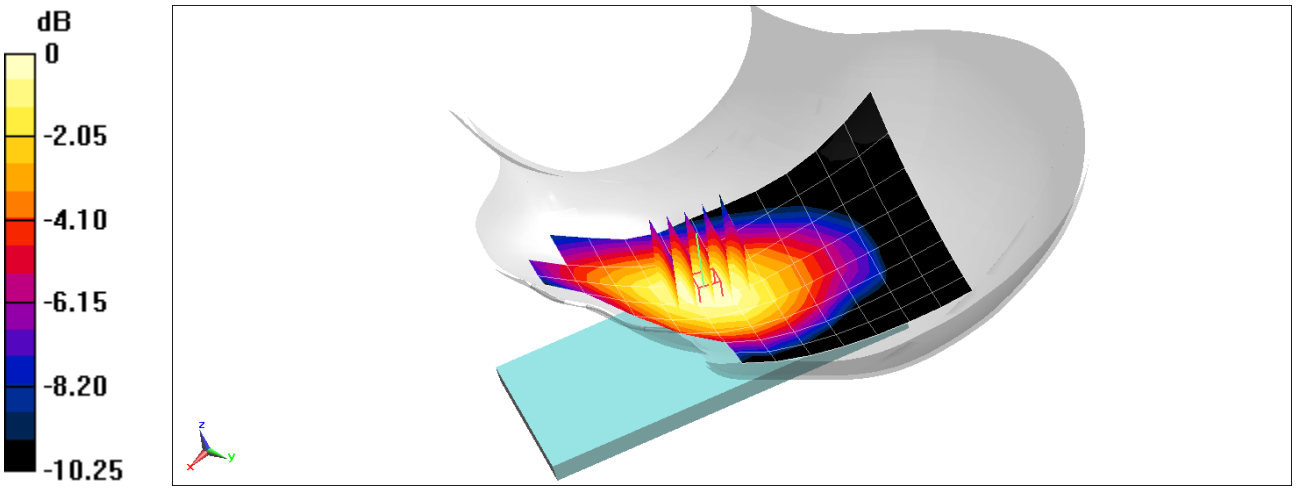
Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.917 S/m; ε_r = 41.41; ρ = 1000 kg/m^3
Phantom section: Left Section;

Test Date: 09/21/2022; Ambient Temp: 20.6°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; Calibrated: 3/22/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/14/2022
Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: UMTS 850, Antenna A, Left Head, Cheek, Mid.ch

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.93 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.216 W/kg
SAR(1 g) = 0.173 W/kg
Smallest distance from peaks to all points 3 dB below = 22.9 mm
Ratio of SAR at M2 to SAR at M1 = 79.6%



0 dB = 0.201 W/kg = -6.97 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0171M

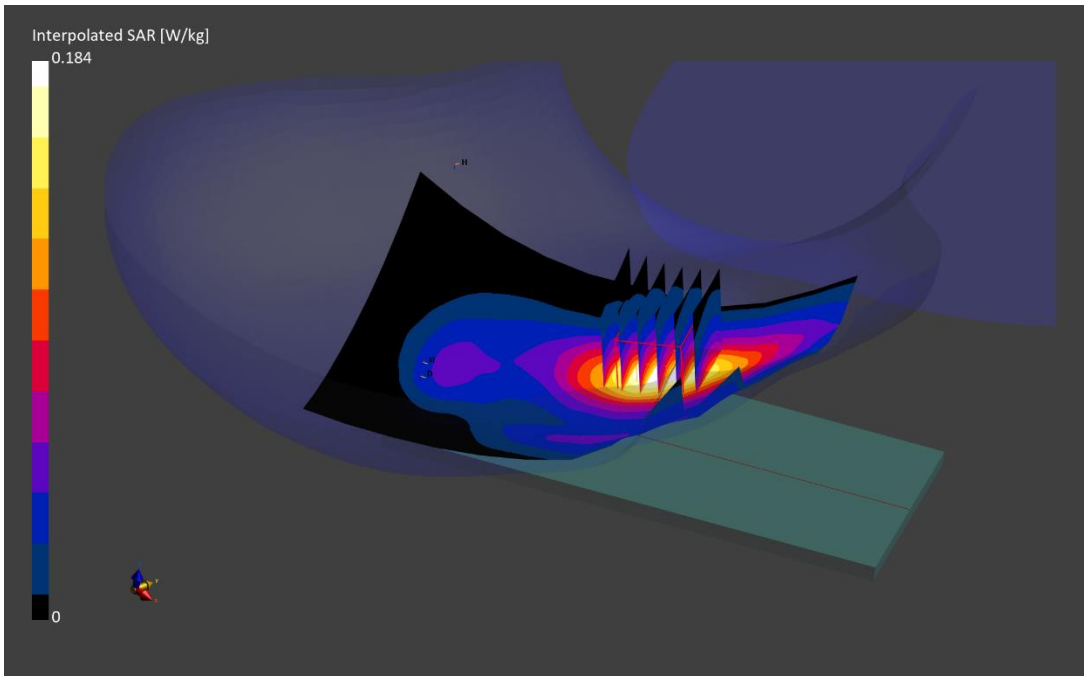
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1732.4 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.4 MHz; cond = 1.37 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/14/2022; Ambient Temp: 23.2°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7660; ConvF:(9.38,9.38,9.38); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2022-05-10
Phantom: Twin-SAM V5.0; Serial: 1692rightback
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Right Head, Cheek, Mid Ch.

Area Scan (120.0 x 210.0): 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 = 0.11 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.125 W/kg
Smallest distance from peaks to all points 3 dB below is 13.2 mm
Ratio of SAR at M2 to SAR at M1 = 89.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0181M

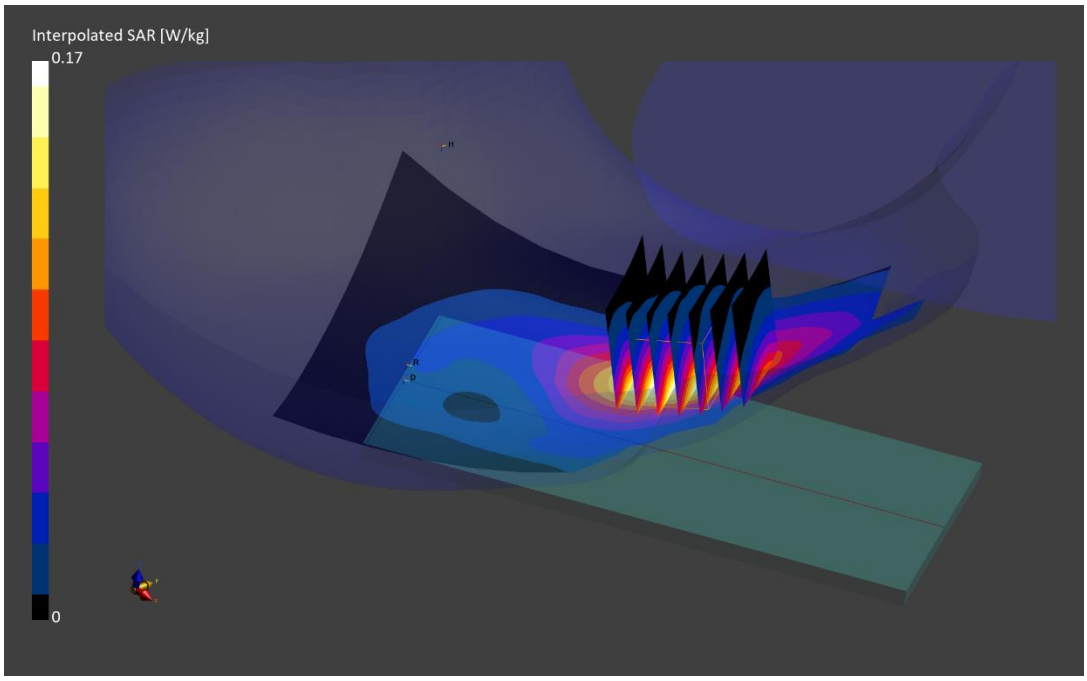
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1880.0 MHz; cond = 1.41 S/m; perm = 40.2; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.0.°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, Right Head, Cheek, Mid Ch.

Area Scan (120.0 x 210.0): 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 = 0.12 W/kg; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.169 W/kg
SAR(1 g) = 0.113 W/kg
Smallest distance from peaks to all points 3 dB below is 14.6 mm
Ratio of SAR at M2 to SAR at M1 = 89.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

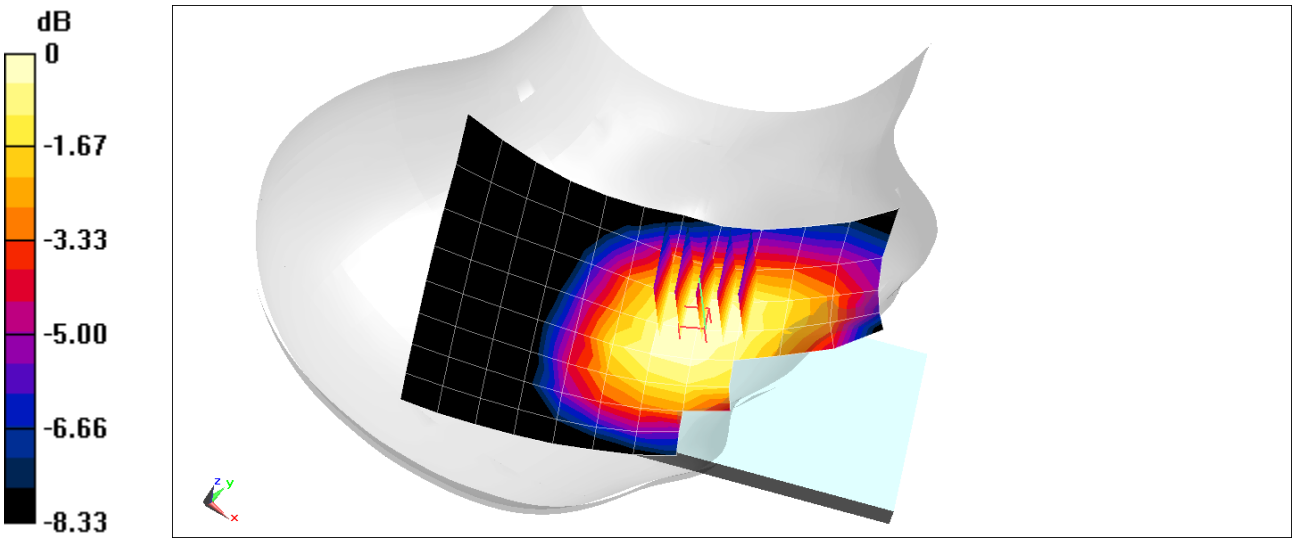
Communication System: UID 0, LTE Band 71; Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 680.5 MHz; σ = 0.894 S/m; ε_r = 40.377; ρ = 1000 kg/m^3
Phantom section: Right Section;

Test Date: 09/28/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7491; ConvF(10.11, 10.11, 10.11) @ 680.5 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 71, Antenna A, Right Head, Cheek, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.17 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.107 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 80.6%



0 dB = 0.124 W/kg = -9.07 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

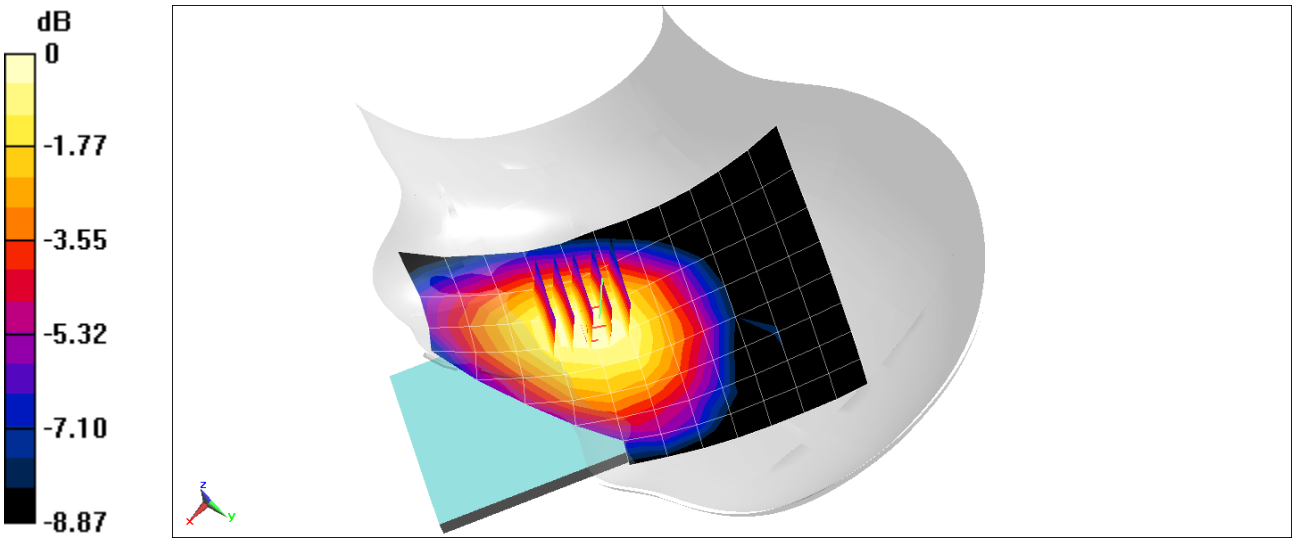
Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 707.5 MHz; σ = 0.904 S/m; ε_r = 40.833; ρ = 1000 kg/m^3
Phantom section: Left Section;

Test Date: 09/26/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7491; ConvF(10.11, 10.11, 10.11) @ 707.5 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 12, Antenna A, Left Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.68 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.166 W/kg
SAR(1 g) = 0.130 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 78.4%



0 dB = 0.152 W/kg = -8.18 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

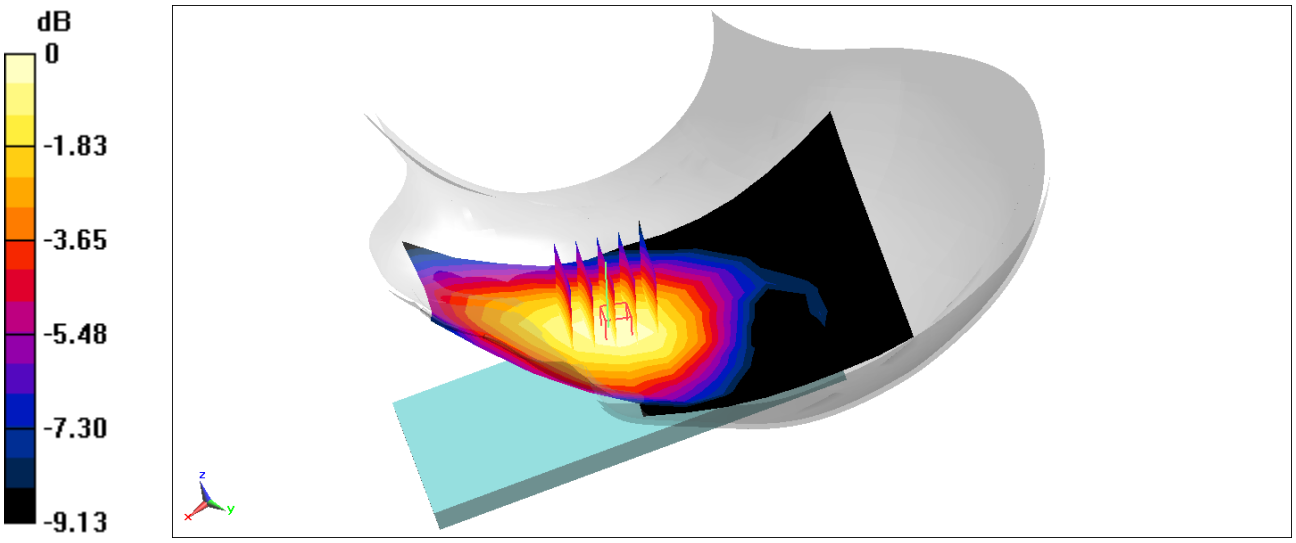
Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 782 MHz; σ = 0.93 S/m; ε_r = 40.65; ρ = 1000 kg/m^3
Phantom section: Left Section;

Test Date: 09/26/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7491; ConvF(10.11, 10.11, 10.11) @ 782 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 13, Antenna A, Left Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.00 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.161 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 79.9%



0 dB = 0.190 W/kg = -7.21 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

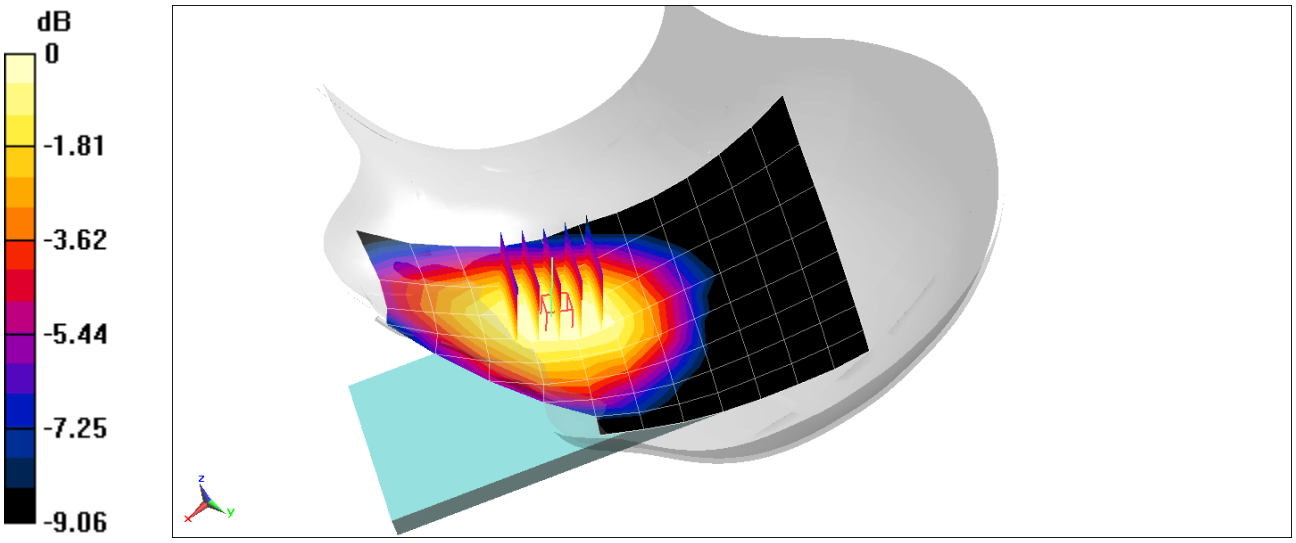
Communication System: UID 0, LTE Band 14; Frequency: 793 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 793 MHz; σ = 0.934 S/m; ε_r = 40.615; ρ = 1000 kg/m^3
Phantom section: Left Section;

Test Date: 09/26/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7491; ConvF(10.11, 10.11, 10.11) @ 793 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 14, Antenna A, Left Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.16 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.240 W/kg
SAR(1 g) = 0.193 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 80.3%



0 dB = 0.225 W/kg = -6.48 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0208M

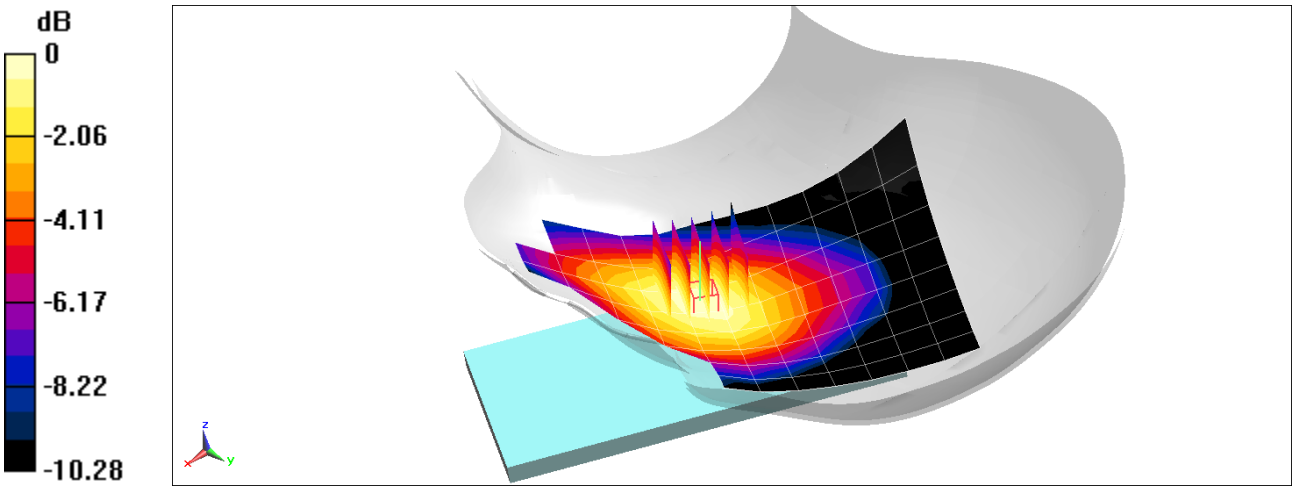
Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 831.5 MHz; σ = 0.921 S/m; ε_r = 40.404; ρ = 1000 kg/m^3
Phantom section: Left Section;

Test Date: 09/23/2022; Ambient Temp: 21.1°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 831.5 MHz; Calibrated: 3/22/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/14/2022
Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 26 (Cell.), Antenna A, Left Head, Cheek, Mid.ch, 15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.66 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.209 W/kg
Smallest distance from peaks to all points 3 dB below = 22 mm
Ratio of SAR at M2 to SAR at M1 = 80.2%



0 dB = 0.243 W/kg = -6.14 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0188M

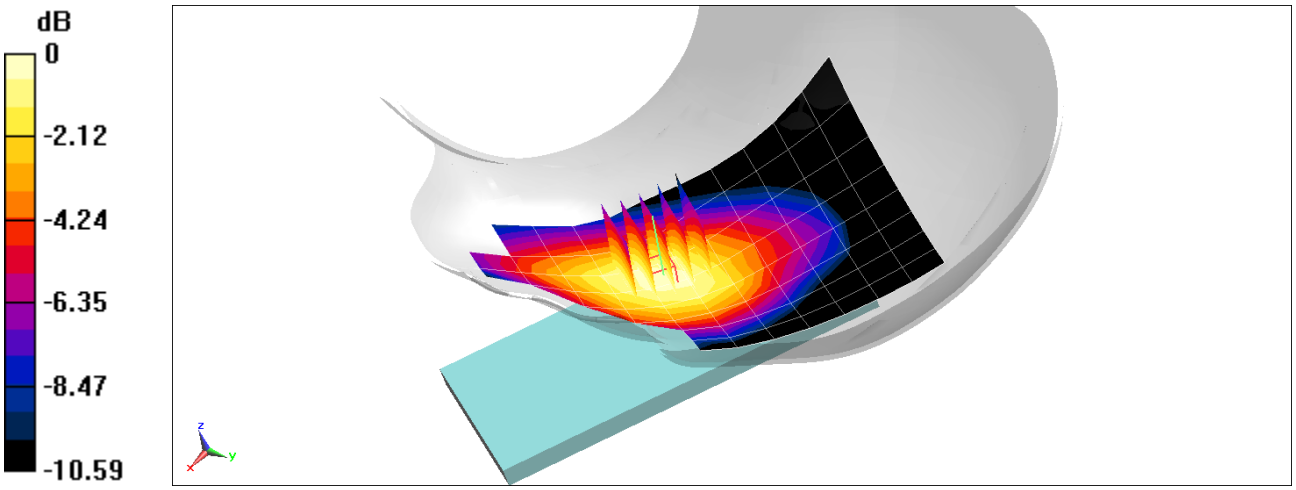
Communication System: UID 0, LTE Band 5 (Cell.); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.5 MHz; σ = 0.936 S/m; ε_r = 43.498; ρ = 1000 kg/m^3
Phantom section: Left Section;

Test Date: 09/26/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 836.5 MHz; Calibrated: 3/22/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/14/2022
Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 5 (Cell.), Antenna A, Left Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.87 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.285 W/kg
SAR(1 g) = 0.224 W/kg
Smallest distance from peaks to all points 3 dB below = 21.6 mm
Ratio of SAR at M2 to SAR at M1 = 78.9%



0 dB = 0.265 W/kg = -5.77 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1513M

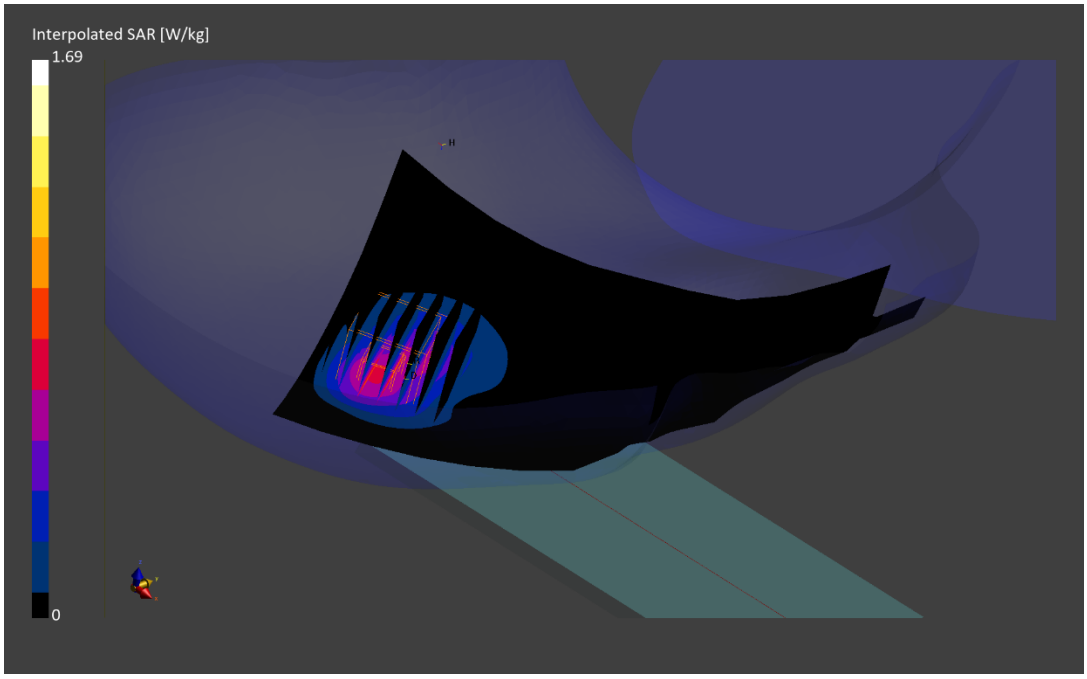
Communication System: UID:10108 - CAG, LTE-FDD; MAIA: Y; Frequency: 1715.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1715.0 MHz; cond = 1.32 S/m; perm = 38.6; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/02/2022; Ambient Temp: 20.8°C; Tissue Temp: 21°C

Probe: EX3DV4 - SN7488; ConvF:(8.52,8.52,8.52); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66 (AWS), ULCA CA_66B, Antenna F, Right Head, Tilt, Low Ch., PCC: 10 MHz Bandwidth, QPSK, Ch. 132022, 50 RB, 0 RB Offset SCC: 10 MHz Bandwidth, QPSK, Ch. 132121, 50 RB, 0 RB Offset

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.8 mm, dy=5.8 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.85 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.821 W/kg
Smallest distance from peaks to all points 3 dB below is 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 78.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1467M

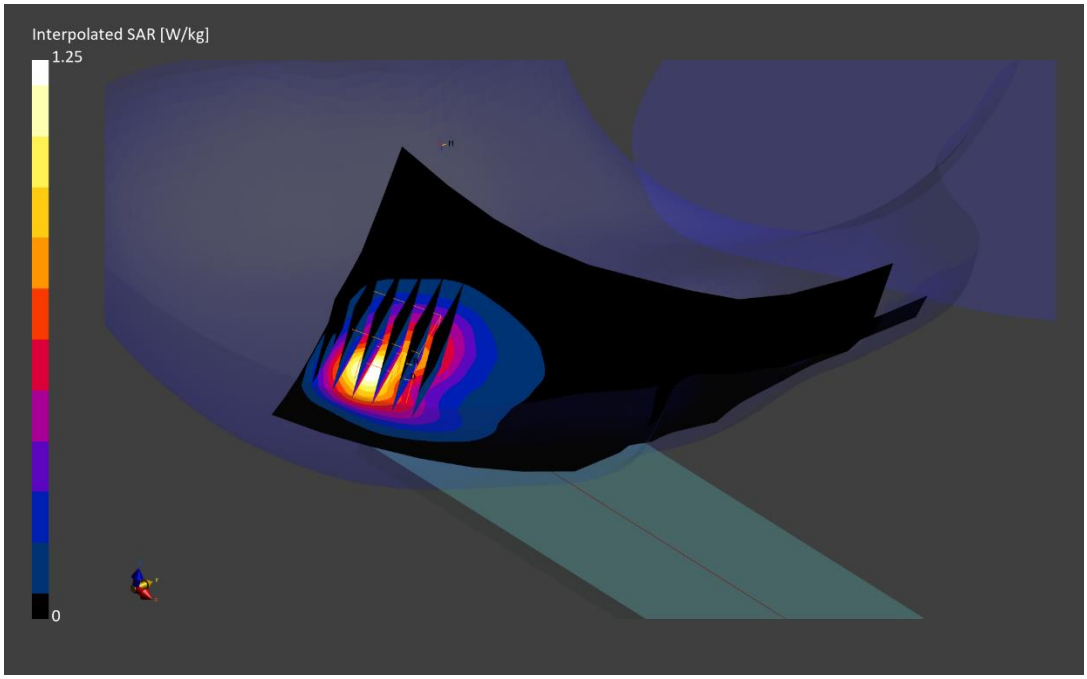
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1905.0 MHz; cond = 1.41 S/m; perm = 38.8; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/04/2022; Ambient Temp: 22.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7532; ConvF:(8.37,8.37,8.37); Calibrated: 2022-04-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn501; Calibrated: 2022-04-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 25, Antenna F, Right Head, Tilt, High Ch, 20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.83 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.606 W/kg
Smallest distance from peaks to all points 3 dB below is 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 76.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0422M

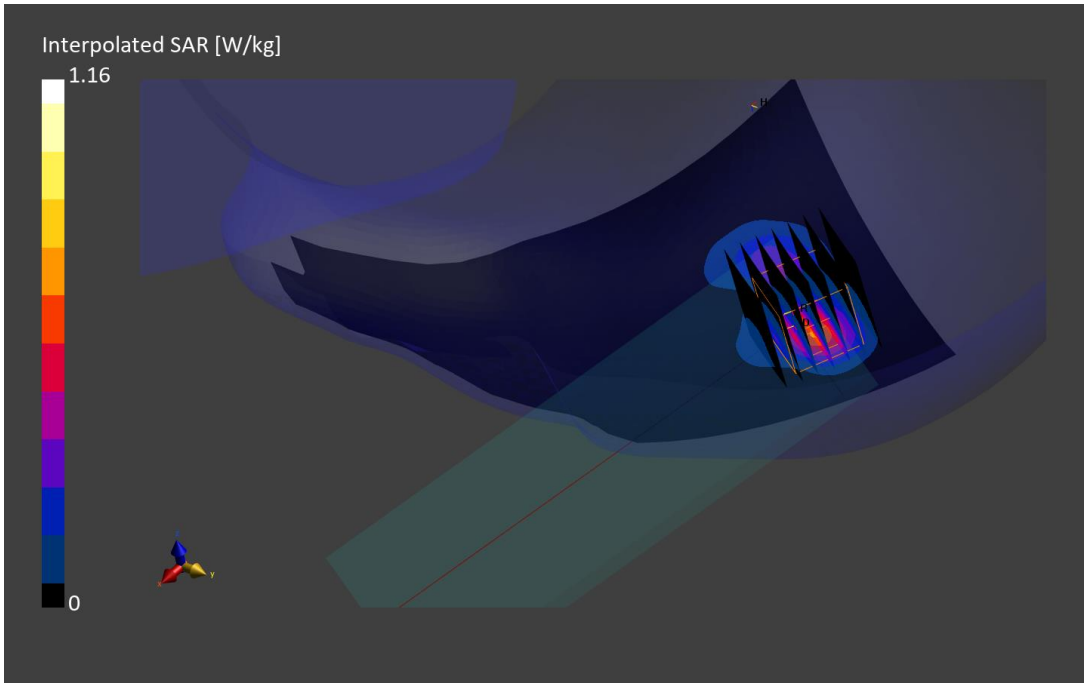
Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2310.0 MHz; cond = 1.67 S/m; perm = 38.1; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 11/09/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.52,7.52,7.52); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 30, Antenna F, Left Head, Tilt, Mid Ch., 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.48 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.546 W/kg
Smallest distance from peaks to all points 3 dB below is 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 78.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1559M

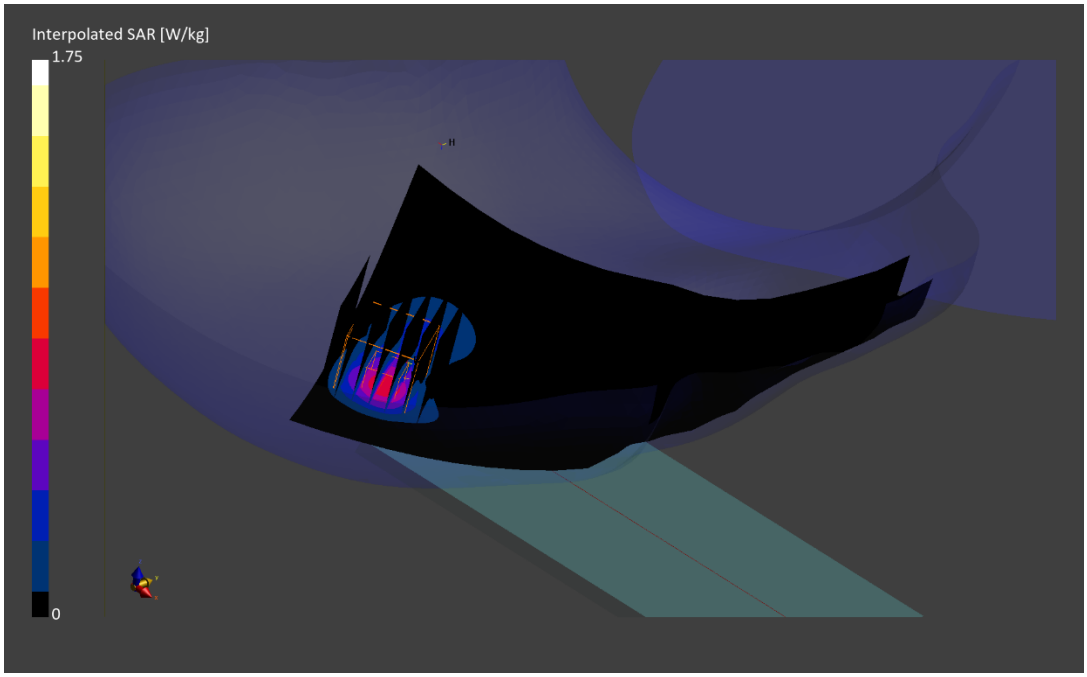
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2510.0 MHz; cond = 1.90 S/m; perm = 40.3; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/03/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7546; ConvF:(7.36,7.36,7.36); Calibrated: 2022-04-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1402; Calibrated: 2022-04-14
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 7, Antenna F, Right Head, Tilt, Low Ch, 20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.64 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 0.689 W/kg
Smallest distance from peaks to all points 3 dB below is 6.2 mm
Ratio of SAR at M2 to SAR at M1 = 74.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1473M

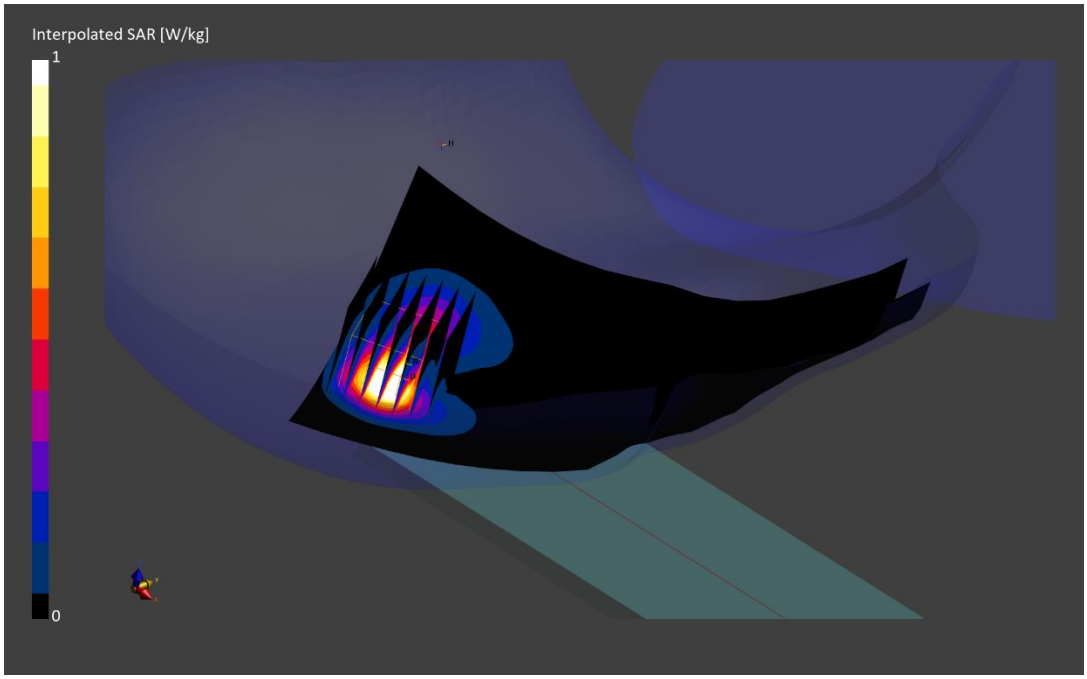
Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 2506.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2506.0 MHz; cond = 1.84 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/26/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7410; ConvF:(7.46,7.46,7.46); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 41, PC3, Antenna F, Right Head, Tilt, Low Ch., 20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset

Area Scan (120.0 x 200.0): 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 = 1.10 W/kg; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 1.02 W/kg
Smallest distance from peaks to all points 3 dB below is 5.9 mm
Ratio of SAR at M2 to SAR at M1 = 74.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1533M

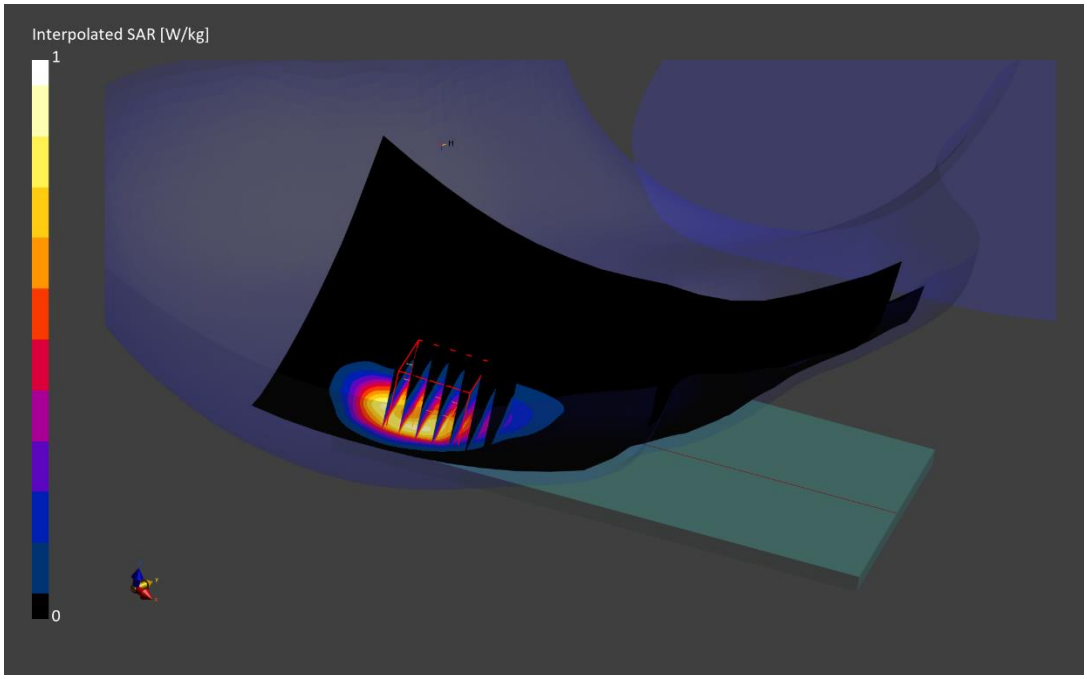
Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 3603.3 MHz
Medium: 3600 Head; Medium parameters used:
f = 3603.3 MHz; cond = 2.92 S/m; perm = 38.4; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/17/2022; Ambient Temp: 20.7°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7410; ConvF:(6.98,6.98,6.98); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 48, Antenna G, Right Head, Cheek, Low-Mid Ch., 20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.61 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.578 W/kg
Smallest distance from peaks to all points 3 dB below is 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 75.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0176M

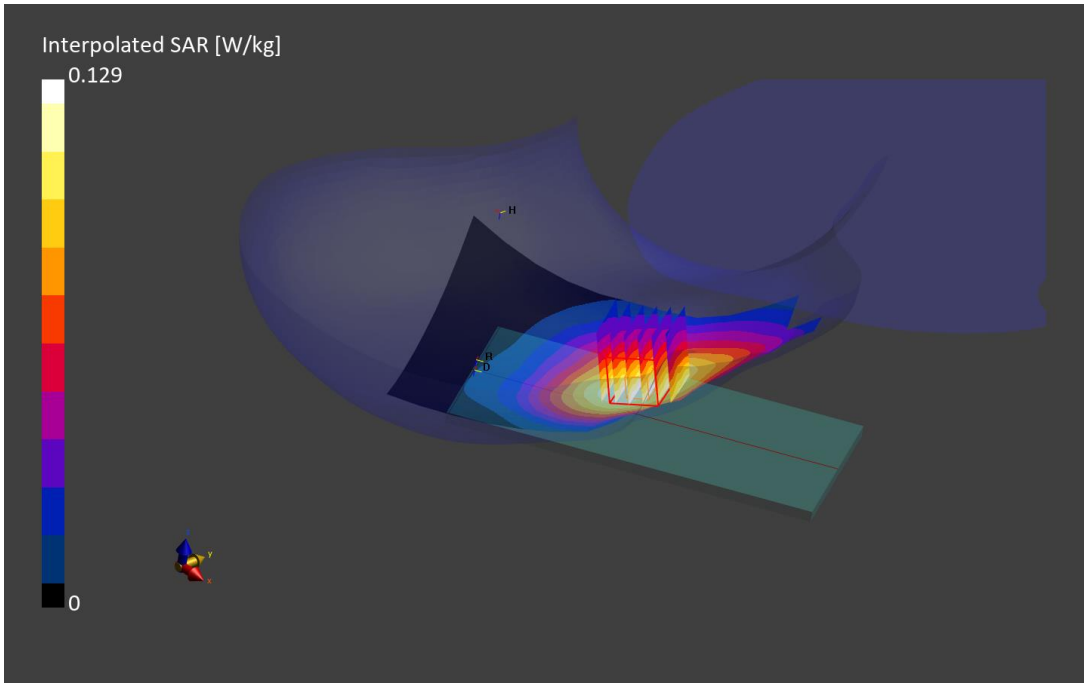
Communication System: UID:10931 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 680.5 MHz
Medium: 750 Head; Medium parameters used:
f = 680.5 MHz; cond = 0.854 S/m; perm = 40.4; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/14/2022; Ambient Temp: 23.5°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7409; ConvF:(9.88,9.88,9.88); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n71, Antenna A, Right Head, Cheek, Ch. 136100, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 53 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.11 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.109 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 = 96.4 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0176M

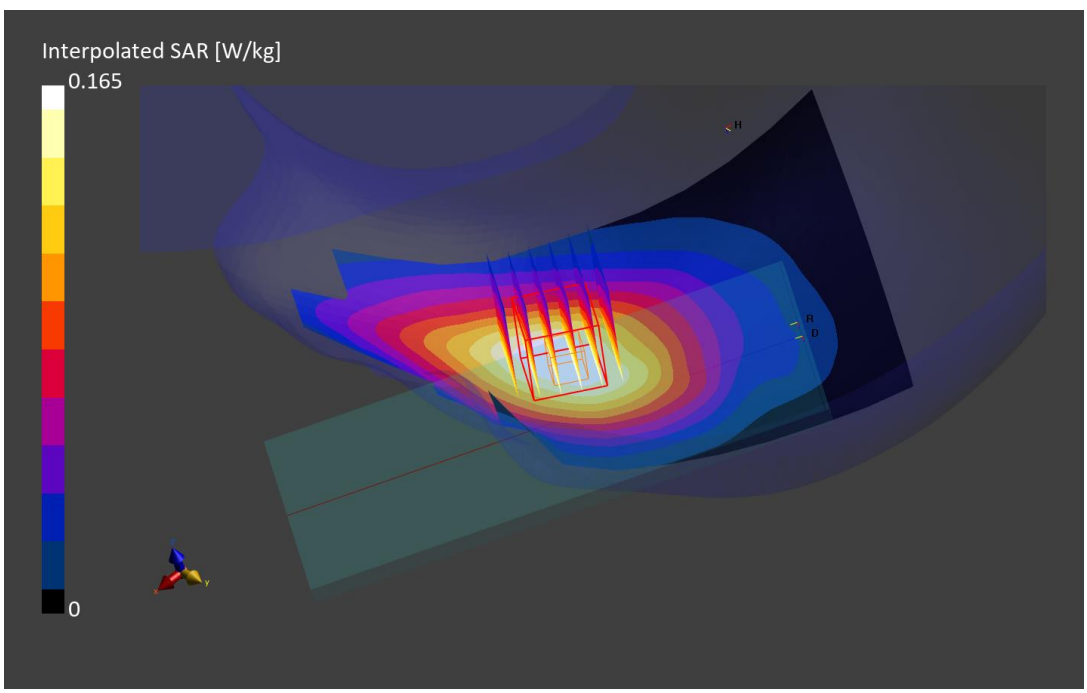
Communication System: UID:10938 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Head; Medium parameters used:
f = 707.5 MHz; cond = 0.867 S/m; perm = 42.1; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 09/12/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(9.88,9.88,9.88); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n12, Antenna A, Left Head, Cheek, Ch. 141500, 15 MHz Bandwidth, DFT-s-OFDM QPSK, 36 RB, 22 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.13 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.134 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 = 95.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0176M

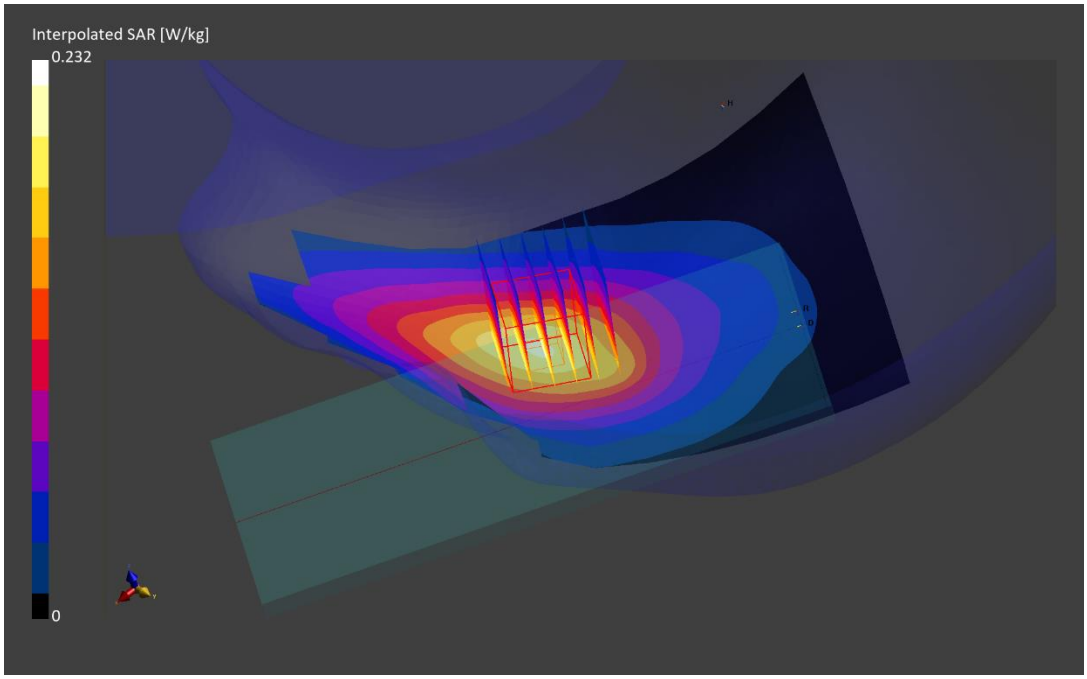
Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 831.5 MHz
Medium: 835 Head; Medium parameters used:
f = 831.5 MHz; cond = 0.894 S/m; perm = 40.9; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 09/21/2022; Ambient Temp: 24.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7409; ConvF:(9.58,9.58,9.58); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n26, Antenna A, Left Head, Cheek, Ch. 166300, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 28 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.17 W/kg; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.232 W/kg
SAR(1 g) = 0.182 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 = 93.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1673M

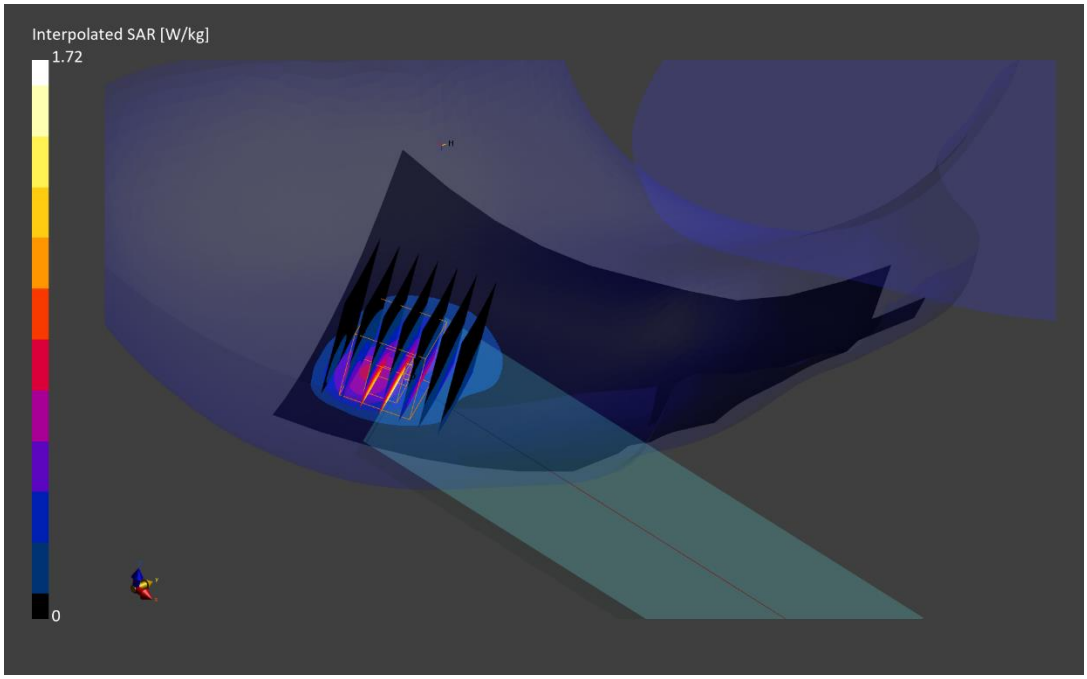
Communication System: UID:10950 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.39 S/m; perm = 40.5; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/24/2022; Ambient Temp: 23.4°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7488; ConvF:(8.52,8.52,8.52); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna F, Right Head, Tilt, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 216 RB, 0 RB Offset

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.90 W/kg; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.828 W/kg
Smallest distance from peaks to all points 3 dB below is 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1623M

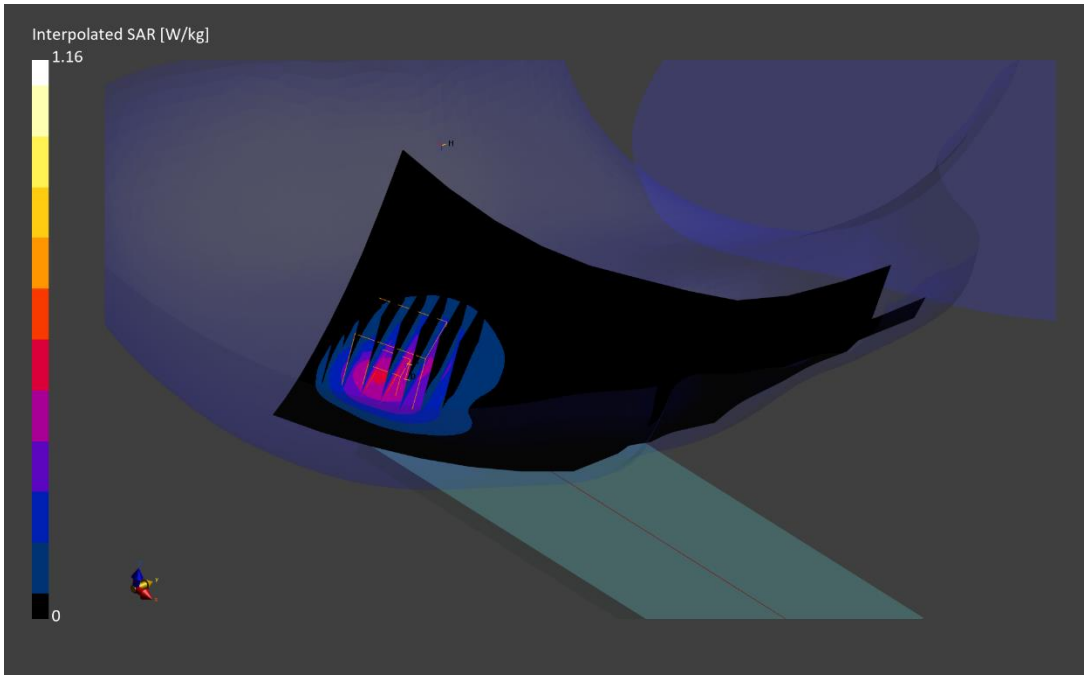
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1882.5 MHz
Medium: 1900 Head; Medium parameters used:
f = 1882.5 MHz; cond = 1.42 S/m; perm = 38.7; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/04/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n25, Antenna F, Right Head, Tilt, 40 MHz Bandwidth, Ch. 376500, CP-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.59 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.541 W/kg
Smallest distance from peaks to all points 3 dB below is 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 76.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0422M

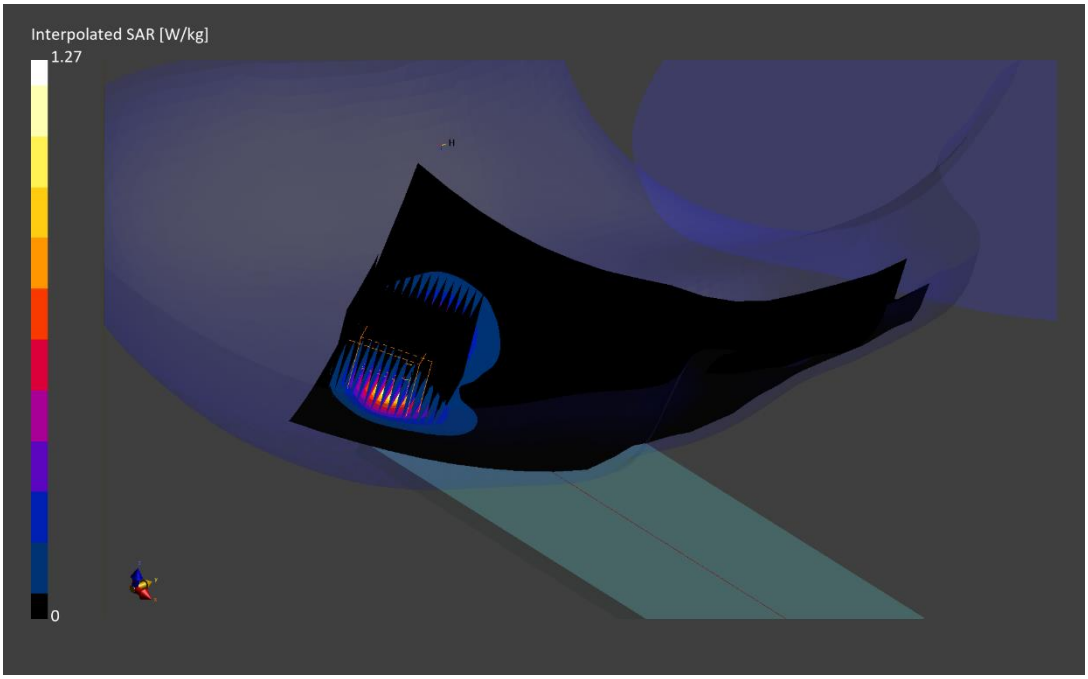
Communication System: UID:10768 - AAD, CW; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2310.0 MHz; cond = 1.70 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/11/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(7.52,7.52,7.52); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n30, Antenna F, Right Head, Tilt, Ch. 462000, 10 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (32.2 x 32.2 x 30.0): Measurement grid: dx=2.3 mm, dy=2.3 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.36 W/kg; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.539 W/kg
Smallest distance from peaks to all points 3 dB below is 6.0 mm
Ratio of SAR at M2 to SAR at M1 = 76.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1673M

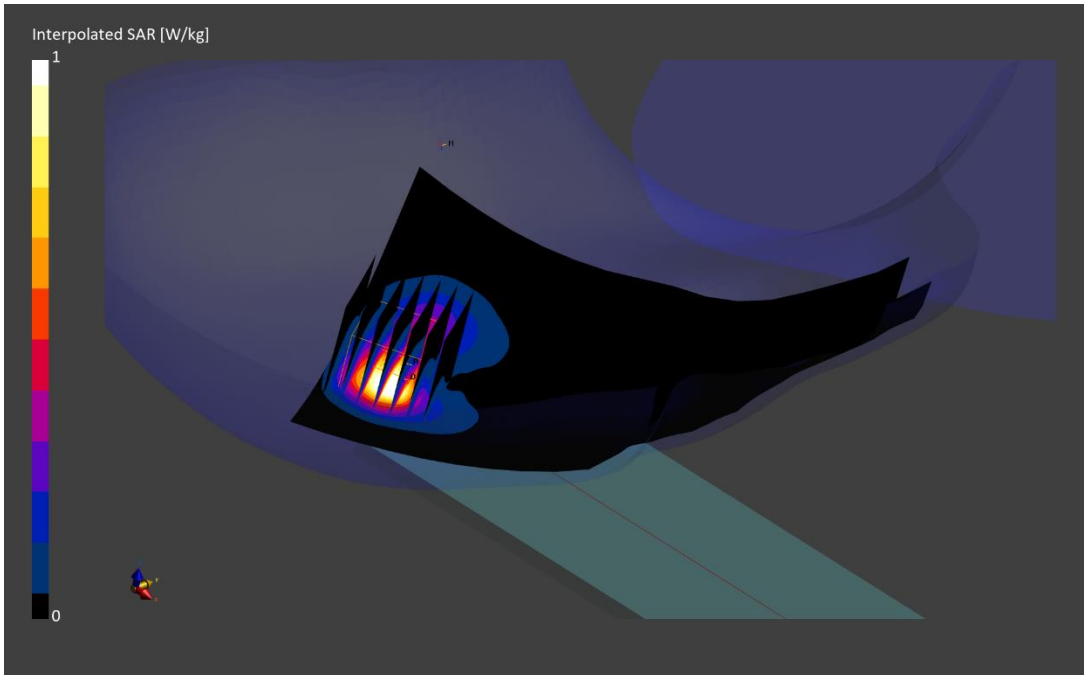
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 2535.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2535.0 MHz; cond = 1.85 S/m; perm = 38.7; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/04/2022; Ambient Temp: 21.8°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7410; ConvF:(7.33,7.33,7.33); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n7, Antenna F, Right Head, Tilt, Ch. 507000, 40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.93 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 0.884 W/kg
Smallest distance from peaks to all points 3 dB below is 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 75.7 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1665M

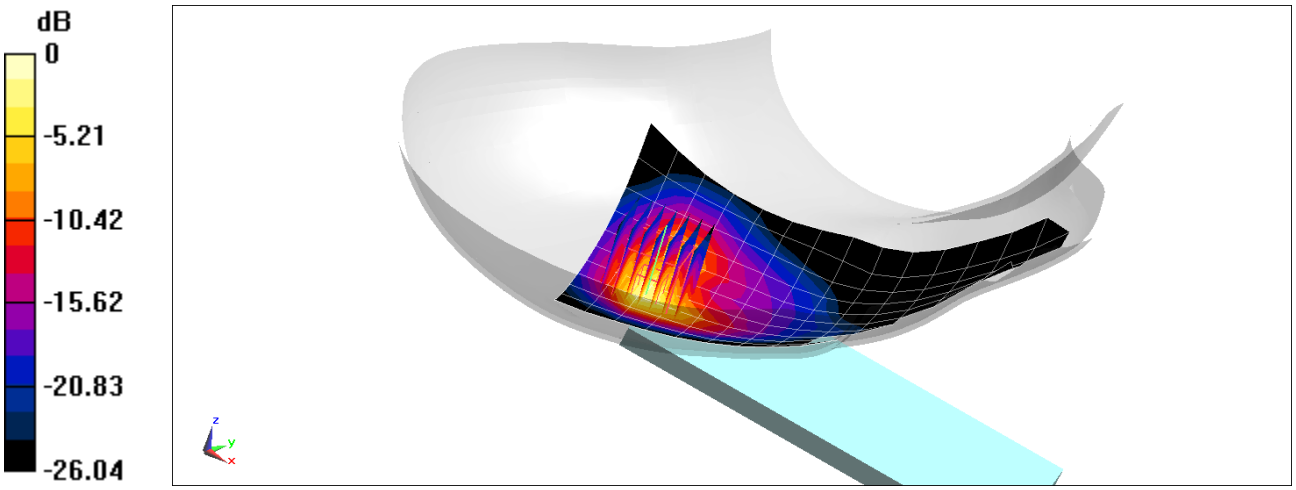
Communication System: UID 0, NR Band n41 Full DC; Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium: 2450 Head; Medium parameters used (interpolated):
f = 2592.99 MHz; σ = 1.936 S/m; ε_r = 38.149; ρ = 1000 kg/m^3
Phantom section: Right Section;

Test Date: 10/20/2022; Ambient Temp: 20.2°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7637; ConvF(8.12, 8.12, 8.12) @ 2592.99 MHz; Calibrated: 3/22/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/14/2022
Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: NR Band n41, Antenna F, Right Head, Tilt, 100 MHz Bandwidth CP-OFDM QPSK, Ch. 518598, 1 RB, 1 RB Offset

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.73 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 0.875 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 42.4%



0 dB = 1.68 W/kg = 2.25 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1626M

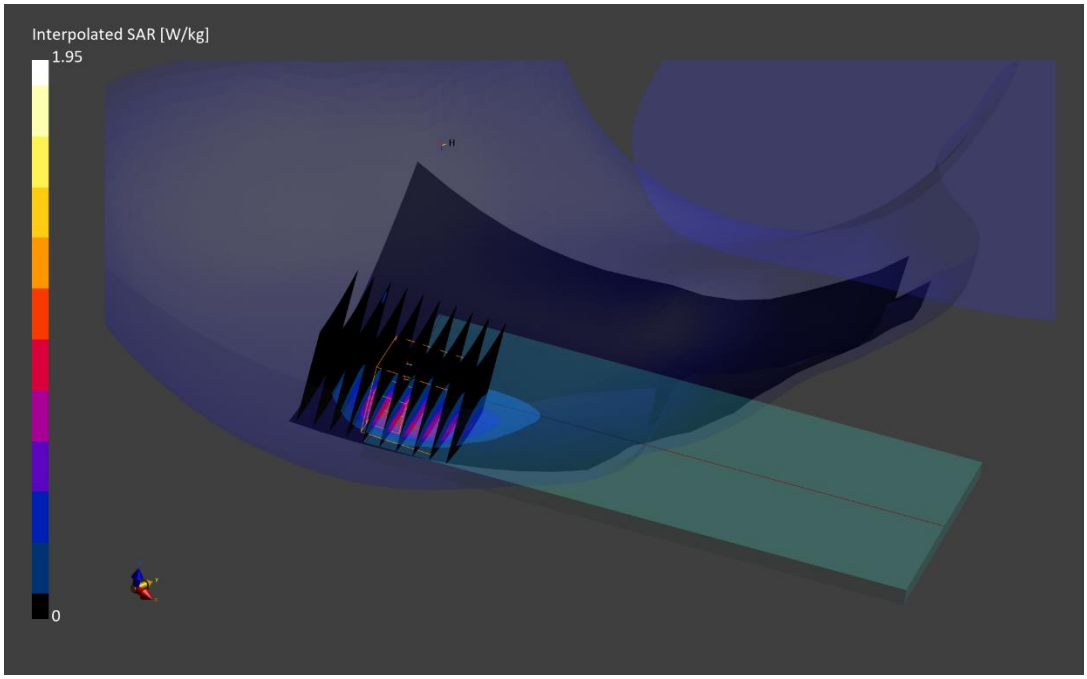
Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3570.0 MHz; cond = 2.86 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/11/2022; Ambient Temp: 20.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7416; ConvF:(6.67,6.67,6.67); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2022-05-16
Phantom: Twin-SAM V8.0; Serial: 2071
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n48, Antenna G, Right Head, Cheek, Ch.638000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.62 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 0.688 W/kg
Smallest distance from peaks to all points 3 dB below is 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 68.7 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1651M

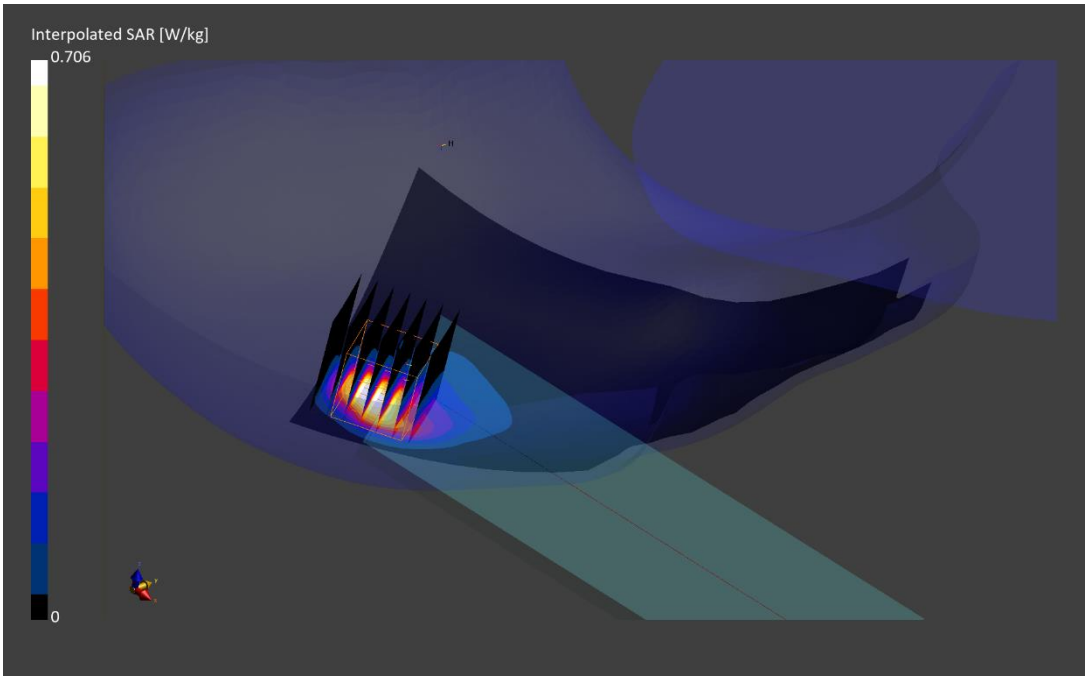
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.88 S/m; perm = 38.1; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7639; ConvF:(7.58,7.58,7.58); Calibrated: 2021-11-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77 DoD, Antenna G, Right Head, Tilt, Ch. 633334, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.45 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.582 W/kg
Smallest distance from peaks to all points 3 dB below is 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 71.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1626M

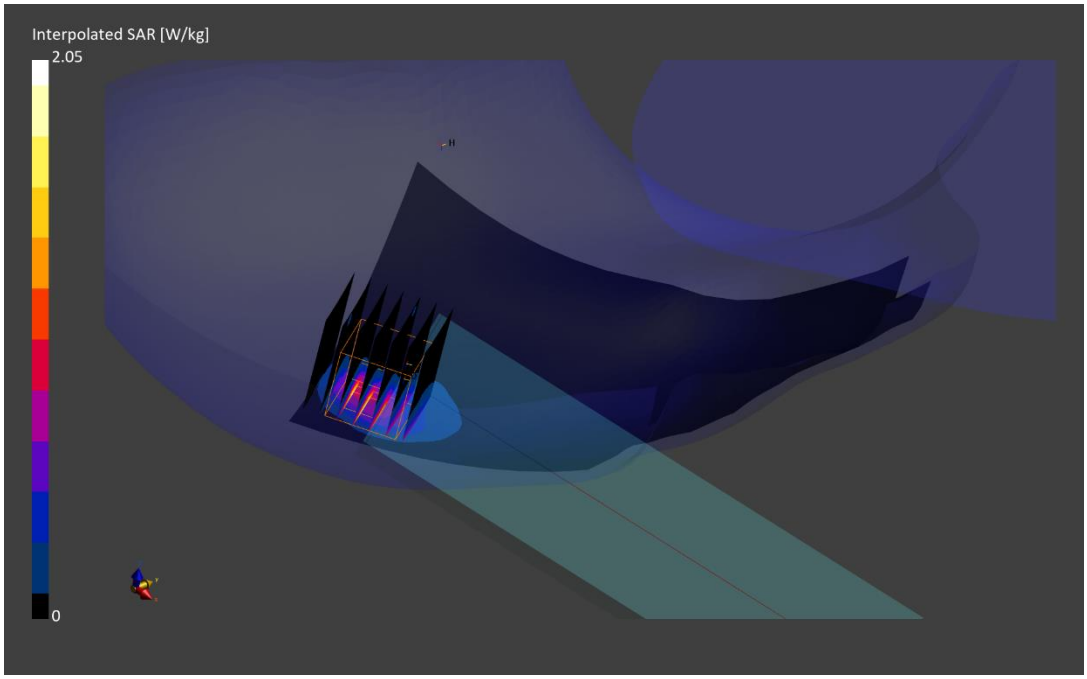
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3750.0 MHz; cond = 3.03 S/m; perm = 38.0; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/17/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7416; ConvF:(6.43,6.43,6.43); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2022-05-16
Phantom: Twin-SAM V8.0; Serial: 2071
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77, Antenna G, Right Head, Tilt, Ch. 650000, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.66 W/kg; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 0.732 W/kg
Smallest distance from peaks to all points 3 dB below is 6.2 mm
Ratio of SAR at M2 to SAR at M1 = 71.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1469M

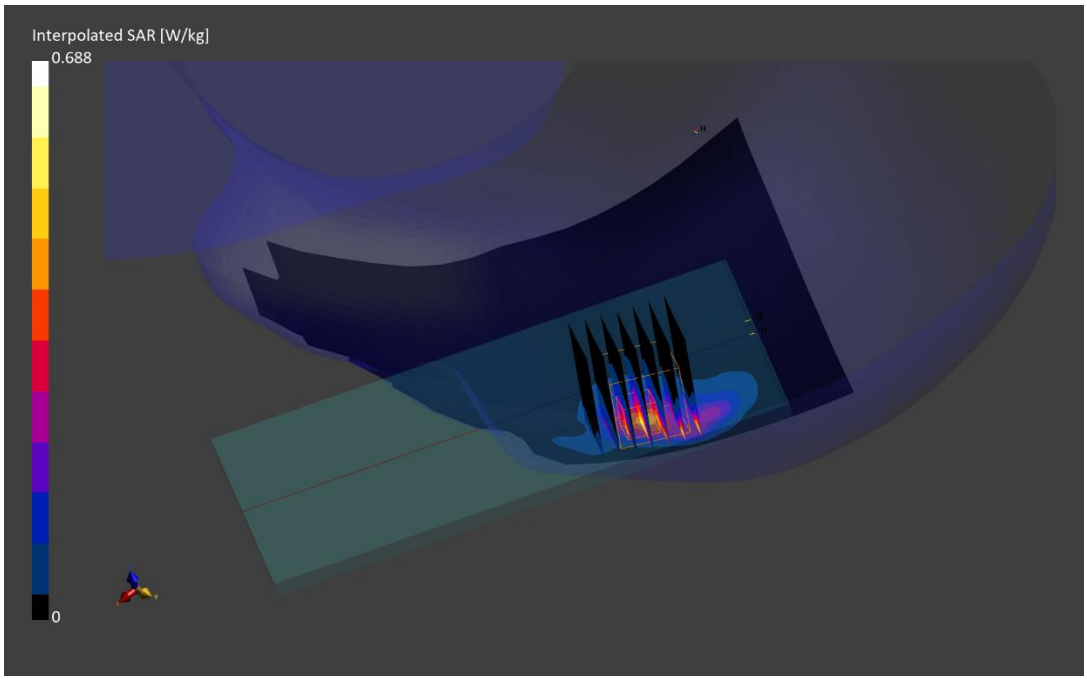
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2412.0 MHz; cond = 1.83 S/m; perm = 38.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/30/2022; Ambient Temp: 21.8°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7640; ConvF:(8.61,8.61,8.61); Calibrated: 2022-02-24
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11b, Antenna 2, 22 MHz Bandwidth, Left Head, Cheek, Ch.1, 1 Mbps

Area Scan (120.0 x 200.0): 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 = 0.35 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.688 W/kg
SAR(1 g) = 0.343 W/kg
Smallest distance from peaks to all points 3 dB below is 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 83.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1469M

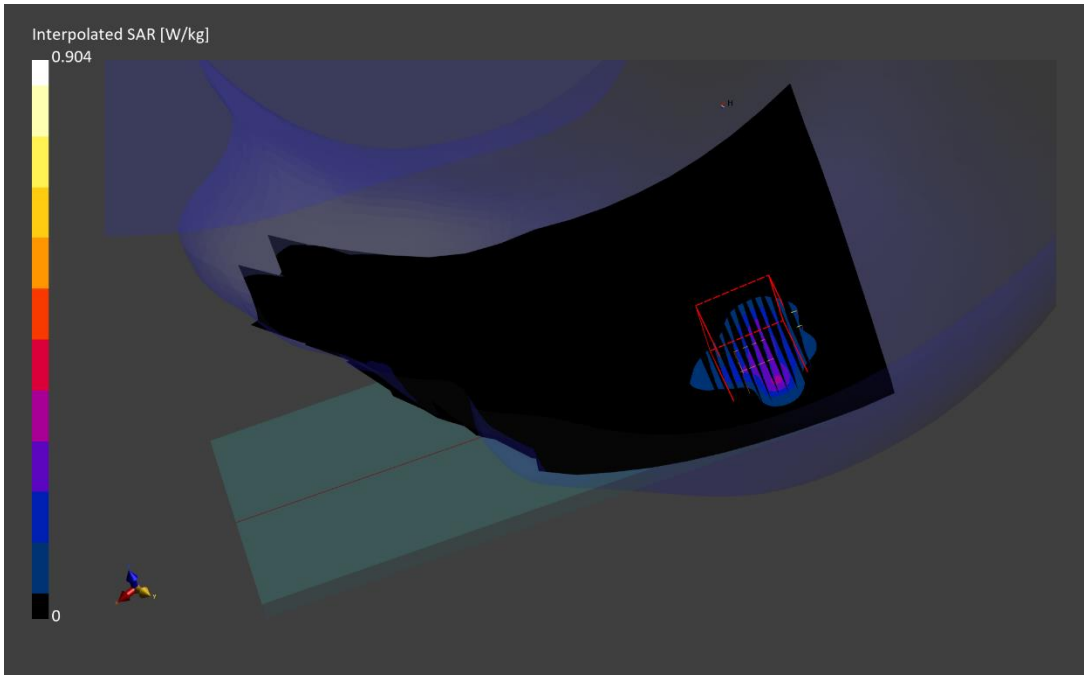
Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5690.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5690.0 MHz; cond = 5.02 S/m; perm = 34.0; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/31/2022; Ambient Temp: 20.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7565; ConvF:(4.7,4.7,4.7); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ac, U-NII-2C, MIMO, 80 MHz Bandwidth, Left Head, Cheek, Ch. 138, 58.5 Mbps

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2
Reference Value = 0.10 W/kg; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.904 W/kg
SAR(1 g) = 0.190 W/kg;
Smallest distance from peaks to all points 3 dB below is 3.2 mm
Ratio of SAR at M2 to SAR at M1 = 66.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1469M

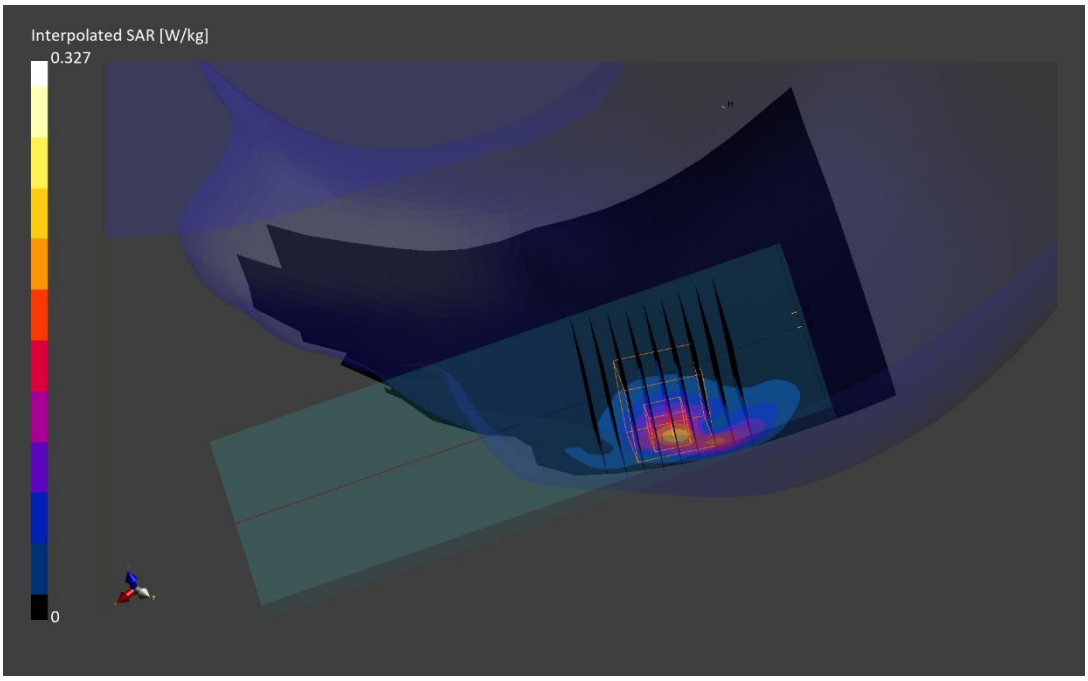
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2441.0 MHz; cond = 1.86 S/m; perm = 38.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 11/01/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7640; ConvF:(8.61,8.61,8.61); Calibrated: 2022-02-24
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, MIMO, Left Head, Cheek, Ch. 39, 1 Mbps

Area Scan (120.0 x 200.0): 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 = 0.15 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.327 W/kg
SAR(1 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below is 7.9 mm
Ratio of SAR at M2 to SAR at M1 = 83.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0174M

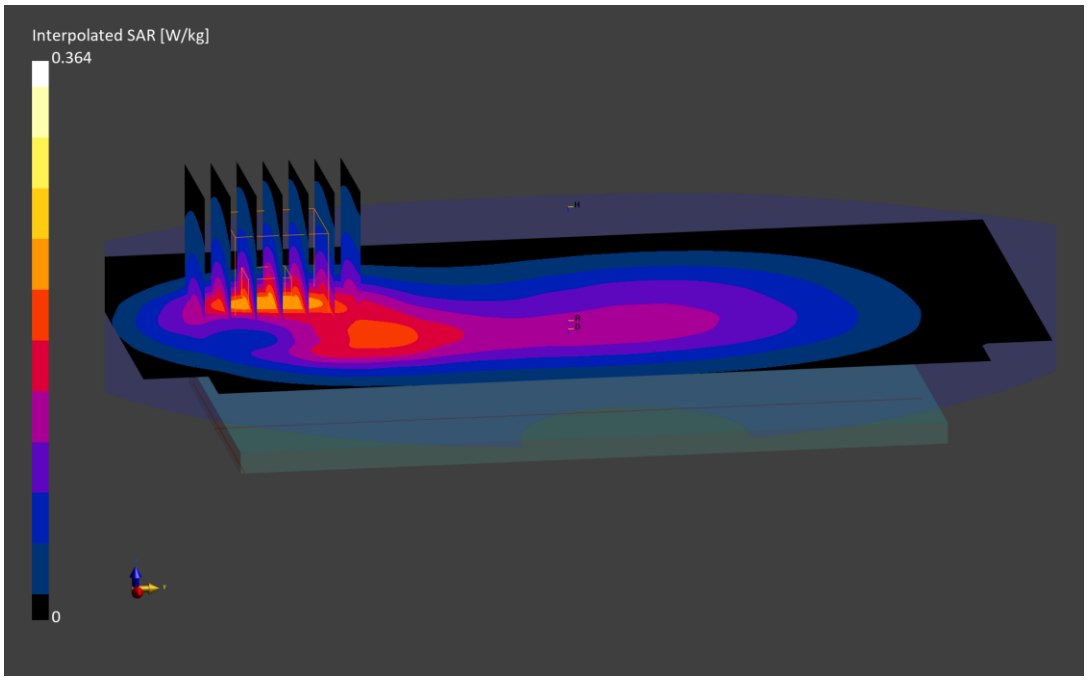
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 824.2 MHz
Medium: 835 Body; Medium parameters used:
f = 824.2 MHz; cond = 0.934 S/m; perm = 53.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/26/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7640; ConvF:(10.66,10.66,10.66); Calibrated: 2022-02-24
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 850, Antenna A, Body SAR, Back Side, Low Ch.

Area Scan (120.0 x 210.0): 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 = 0.20 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.212 W/kg
Smallest distance from peaks to all points 3 dB below is 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 84.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0181M

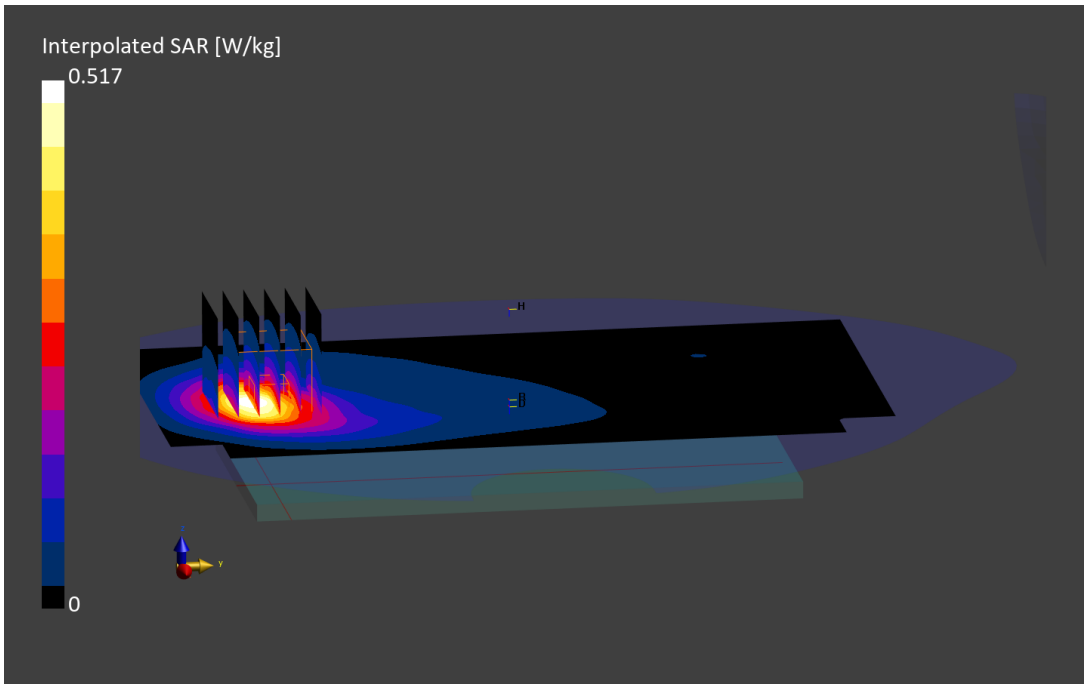
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz
Medium: 1900 Body; Medium parameters used:
f = 1909.8 MHz; cond = 1.58 S/m; perm = 50.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/25/2022; Ambient Temp: 21.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7409; ConvF:(7.66,7.66,7.66); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna A, Body SAR, Back Side, High Ch.

Area Scan (120.0 x 210.0): 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 = 0.30 W/kg; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.319 W/kg
Smallest distance from peaks to all points 3 dB below is 13.3 mm
Ratio of SAR at M2 to SAR at M1 = 86.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0174M

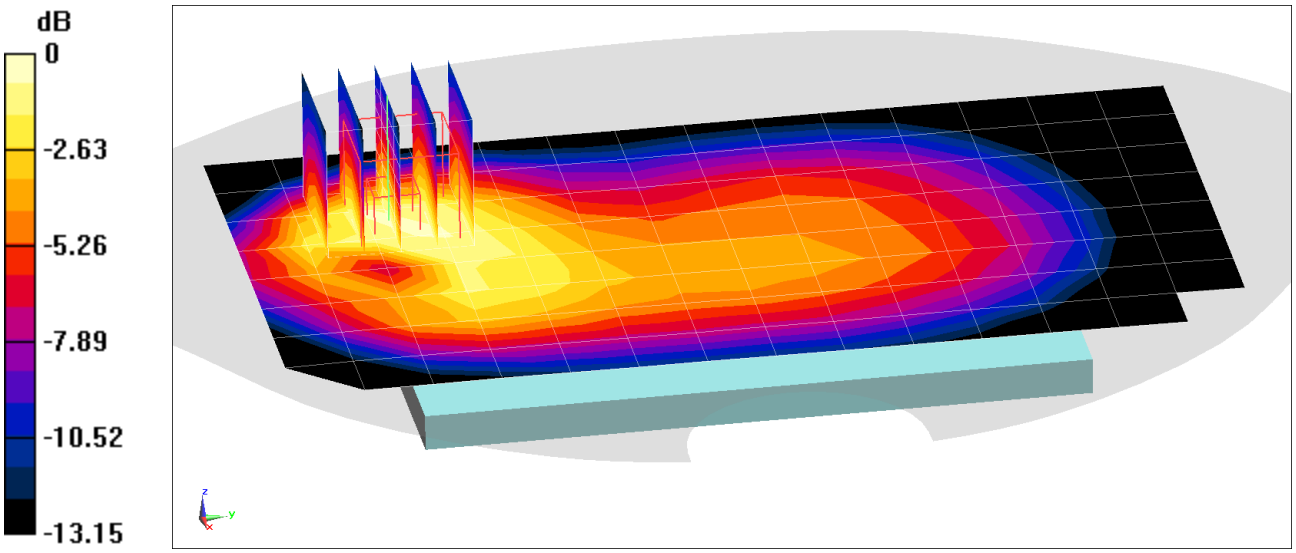
Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.935 S/m; ε_r = 53.059; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/22/2022; Ambient Temp: 23.4°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 836.6 MHz; Calibrated: 6/9/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: UMTS 850, Antenna A, Body SAR, Back side, Mid.ch

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan 1 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.30 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.459 W/kg
SAR(1 g) = 0.289 W/kg
Smallest distance from peaks to all points 3 dB below = 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 64.4%



0 dB = 0.393 W/kg = -4.06 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial:0172M

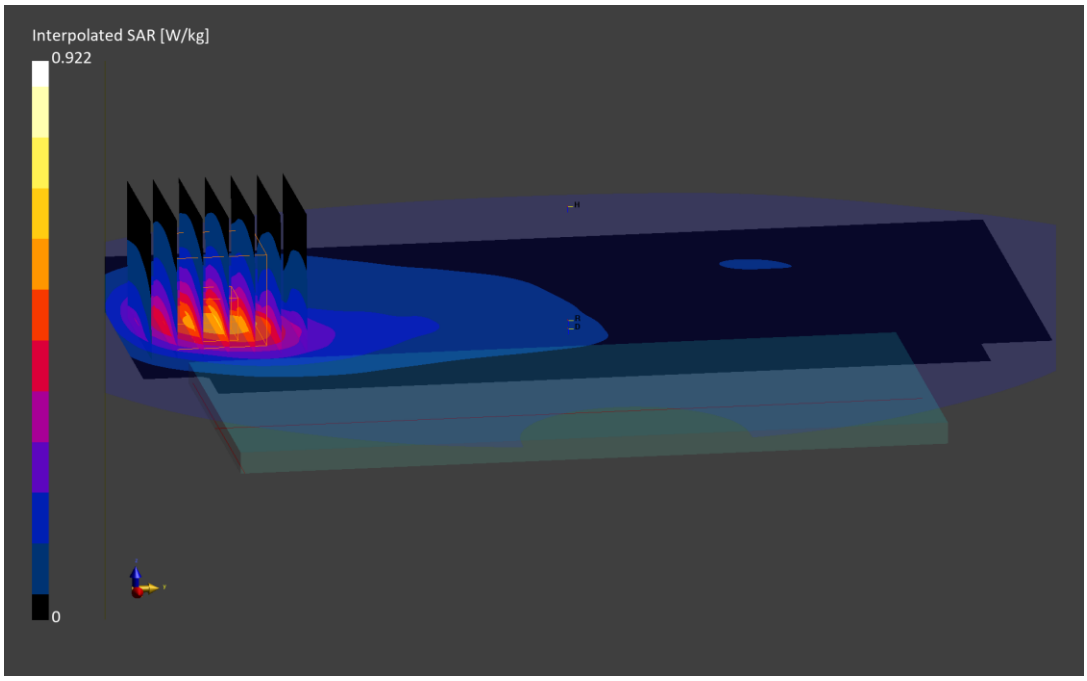
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1752.6 MHz
Medium: 1750 Body; Medium parameters used:
f = 1752.6 MHz; cond = 1.51 S/m; perm = 50.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/14/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Body SAR. Back Side, High Ch.

Area Scan (120.0 x 210.0): 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 = 0.57 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.922 W/kg
SAR(1 g) = 0.559 W/kg
Smallest distance from peaks to all points 3 dB below is 14.5 mm
Ratio of SAR at M2 to SAR at M1 = 84.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0181M

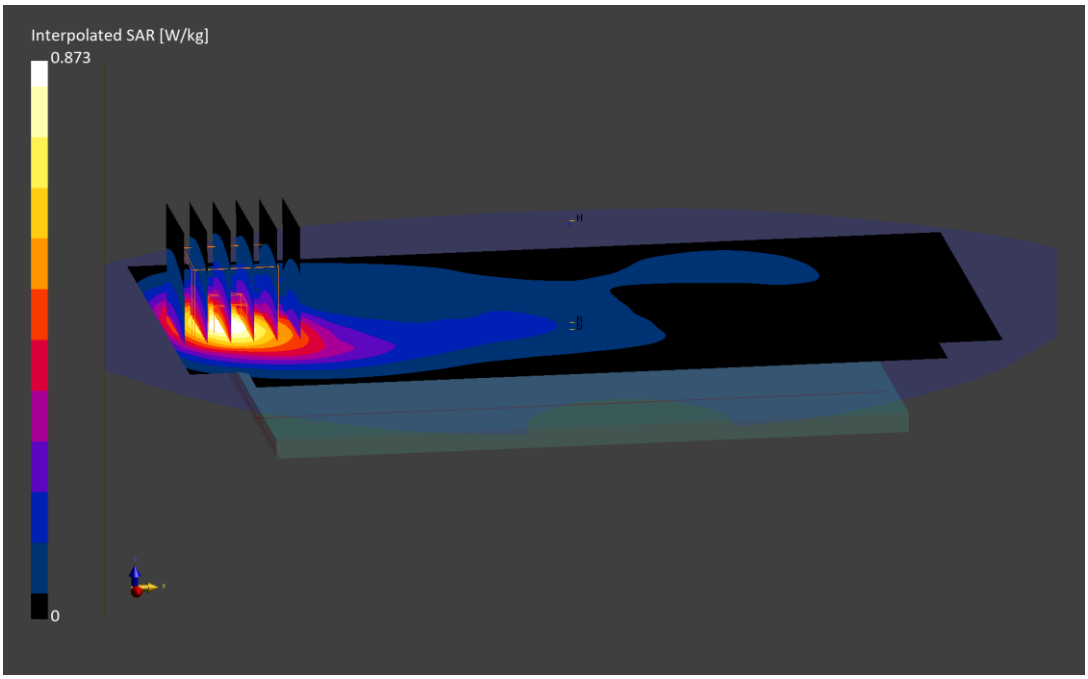
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1880.0 MHz; cond = 1.54 S/m; perm = 51.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/14/2022; Ambient Temp: 21.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, Body SAR, Back Side, Mid Ch.

Area Scan (120.0 x 210.0): 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 = 0.52 W/kg; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.530 W/kg
Smallest distance from peaks to all points 3 dB below is 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 85.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

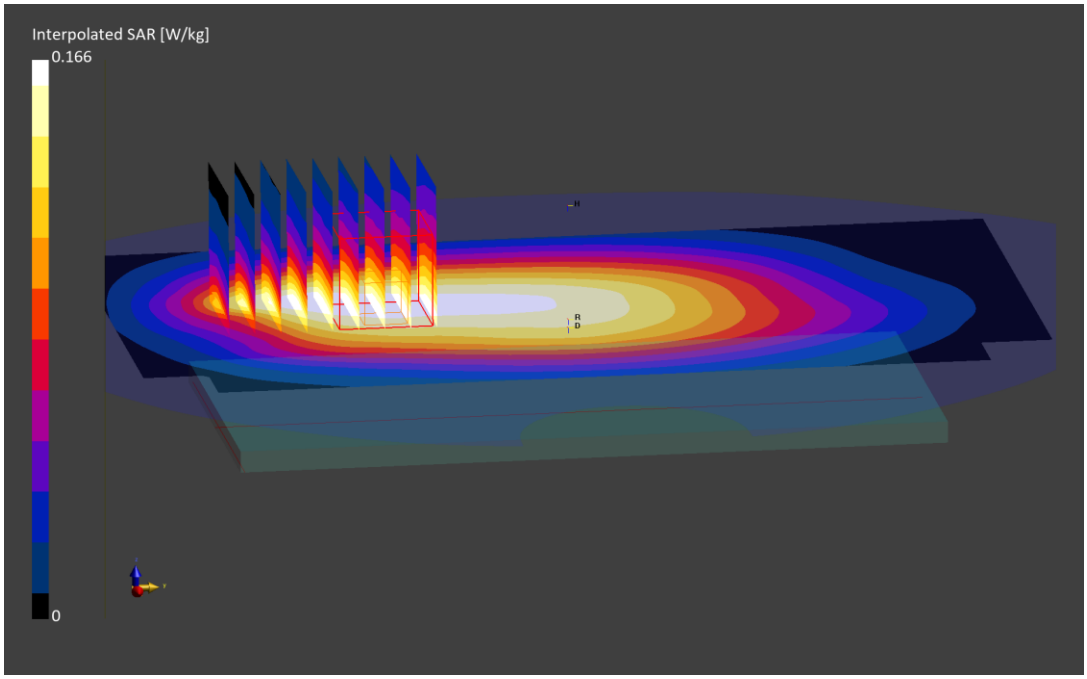
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 680.5 MHz
Medium: 750 Body; Medium parameters used:
f = 680.5 MHz; cond = 0.918 S/m; perm = 53.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/21/2022; Ambient Temp: 23.1°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 71, Antenna A, Body SAR, Back side, Mid Ch., 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.14 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.145 W/kg;
Smallest distance from peaks to all points 3 dB below is 18.0 mm
Ratio of SAR at M2 to SAR at M1 = 83.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

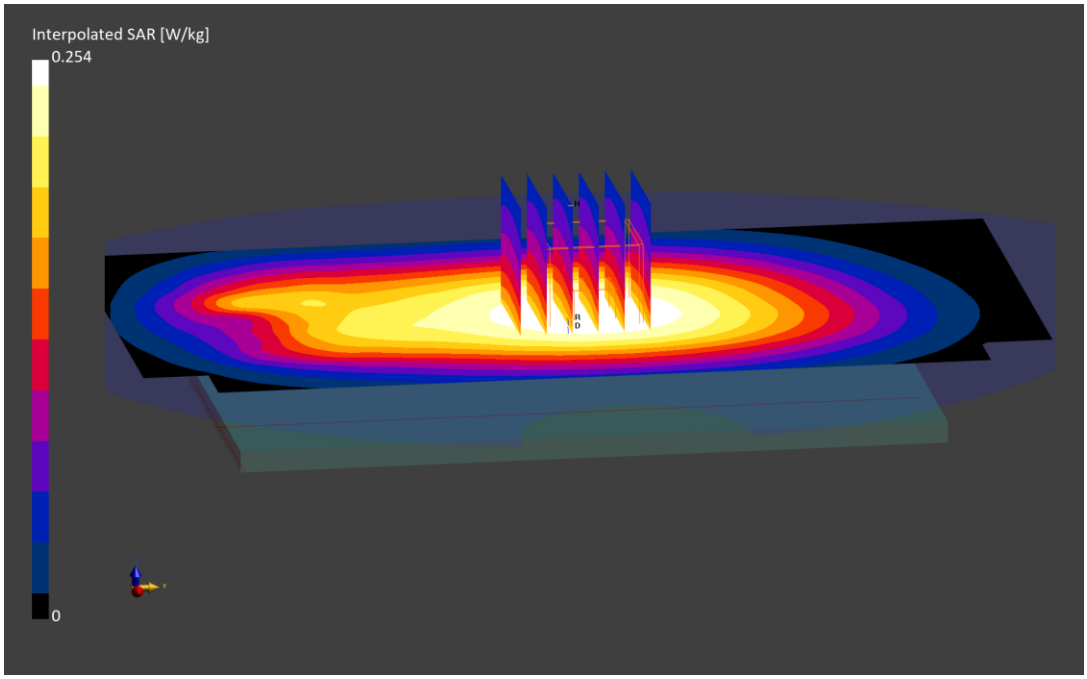
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Body; Medium parameters used:
f = 707.5 MHz; cond = 0.921 S/m; perm = 53.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/23/2022; Ambient Temp: 23.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 12, Antenna A, Body SAR, Back Side, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.18 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.184 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 = 88.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0208M

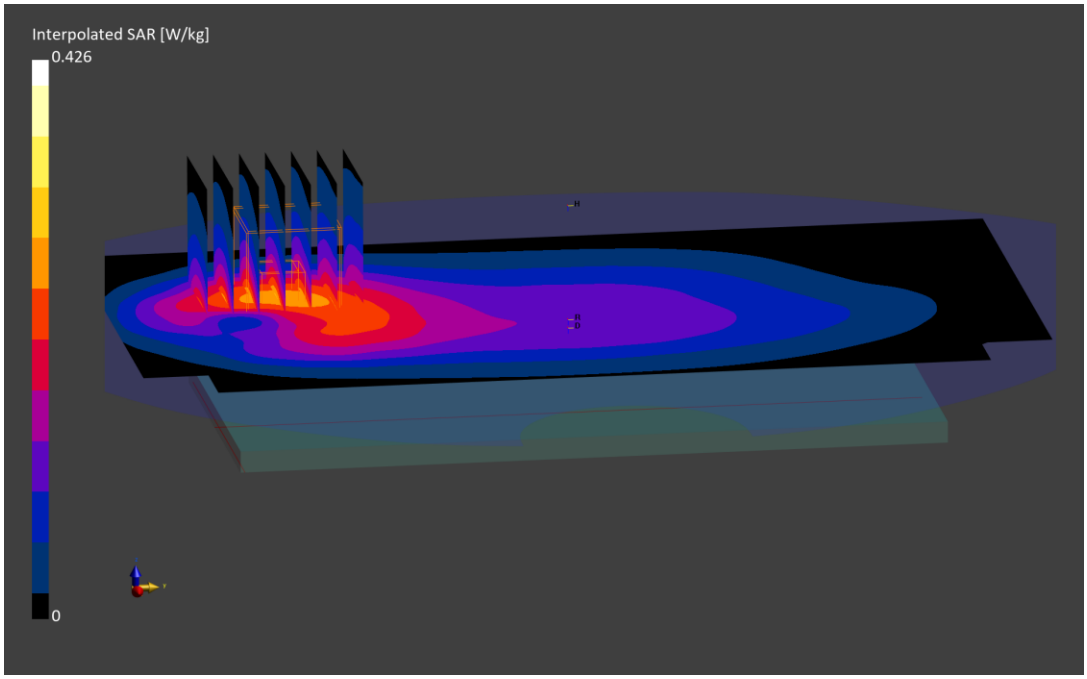
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz
Medium: 750 Body; Medium parameters used:
f = 782.0 MHz; cond = 0.948 S/m; perm = 53.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/26/2022; Ambient Temp: 23.2°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 13, Antenna A, Body SAR, Back side, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (120.0 x 210.0): 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 = -0.02 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.250 W/kg;
Smallest distance from peaks to all points 3 dB below is 14.9 mm
Ratio of SAR at M2 to SAR at M1 = 83.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0208M

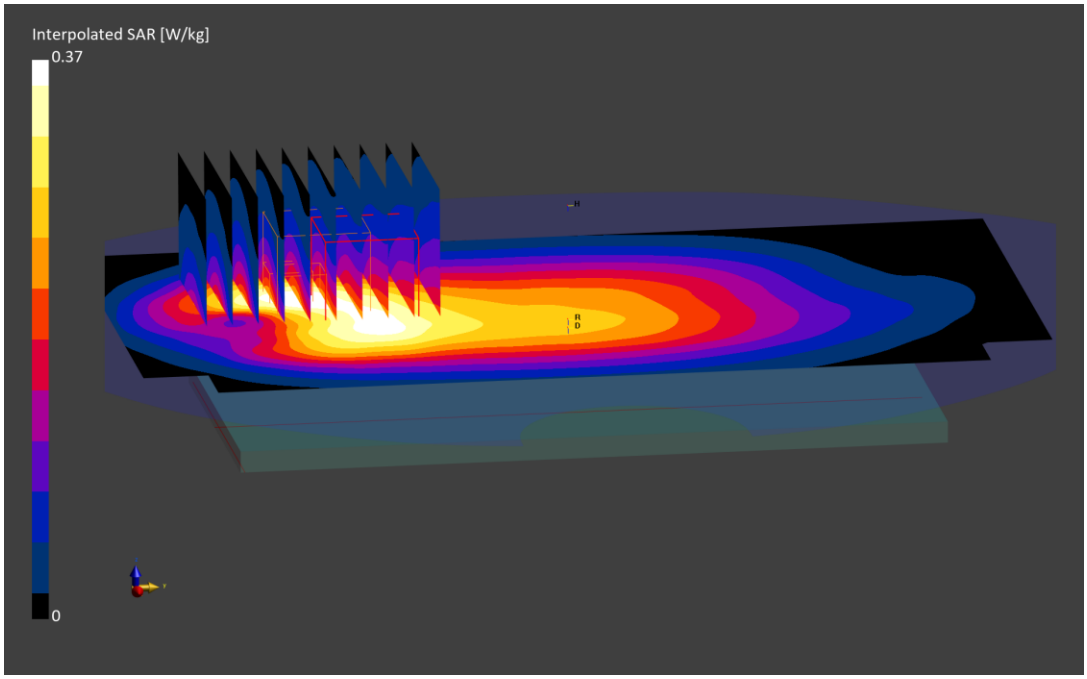
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 793.0 MHz
Medium: 750 Body; Medium parameters used:
f = 793.0 MHz; cond = 0.951 S/m; perm = 53.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/26/2022; Ambient Temp: 23.2°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 14, Antenna A, Body SAR, Back side, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.22 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.370 W/kg
SAR(1 g) = 0.222 W/kg;
Smallest distance from peaks to all points 3 dB below is 16.1 mm
Ratio of SAR at M2 to SAR at M1 = 84.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0174M

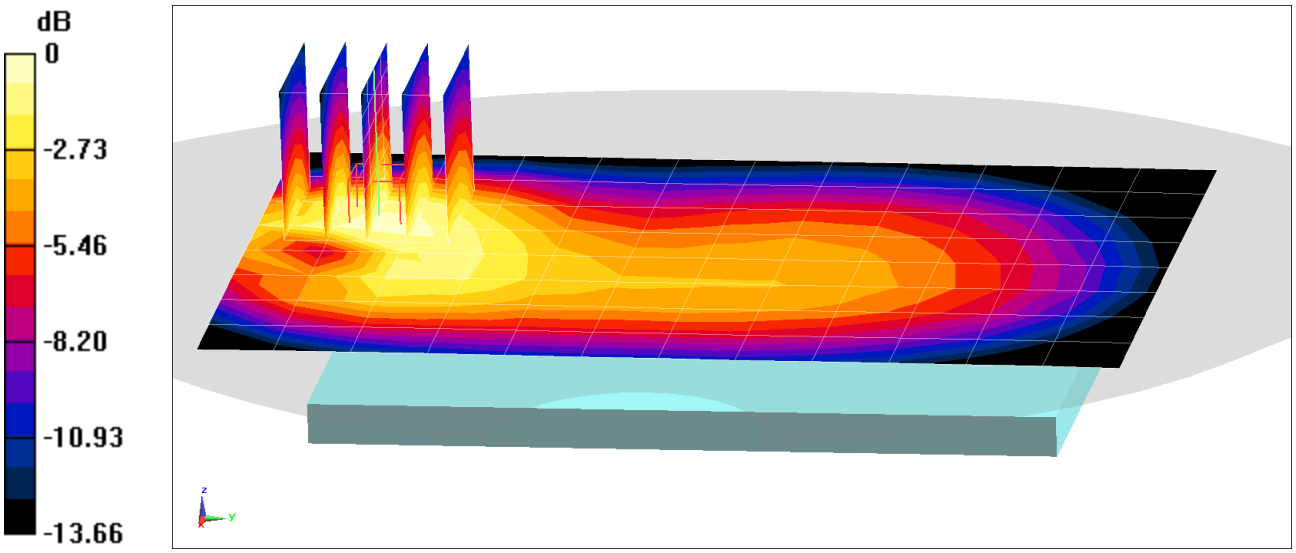
Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 831.5 MHz; σ = 0.934 S/m; ε_r = 53.029; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/21/2022; Ambient Temp: 23.3°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 831.5 MHz; Calibrated: 6/9/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 26 (Cell.), Antenna A, Body SAR, Back side, Mid.ch 15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.60 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.422 W/kg
SAR(1 g) = 0.267 W/kg
Smallest distance from peaks to all points 3 dB below = 13.7 mm
Ratio of SAR at M2 to SAR at M1 = 64.6%



0 dB = 0.365 W/kg = -4.38 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0188M

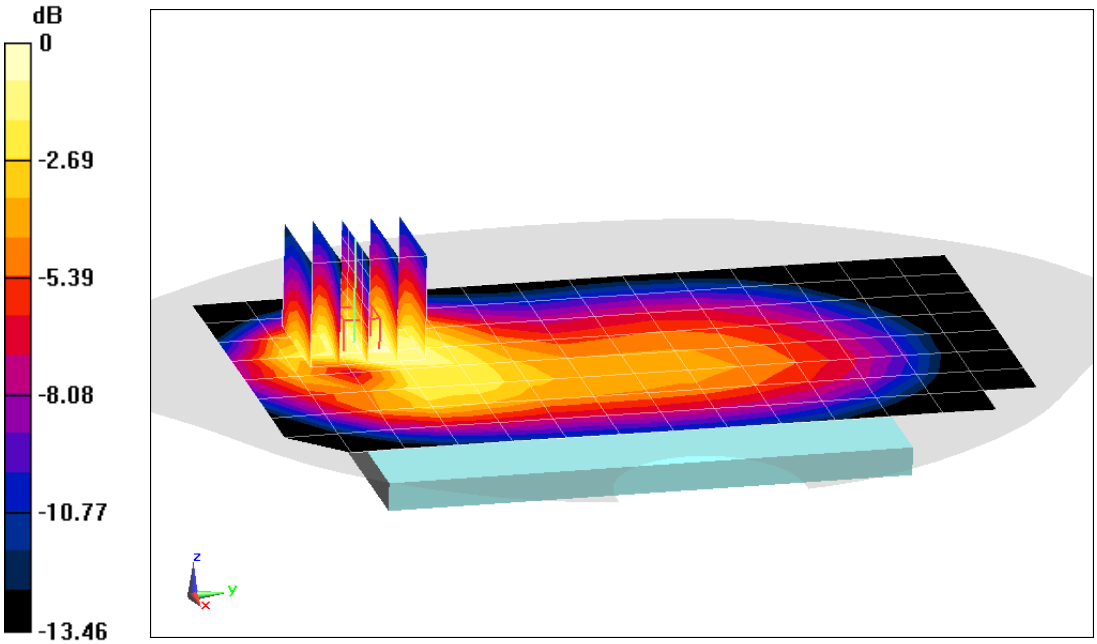
Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.5 MHz; σ = 0.935 S/m; ε_r = 52.479; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/26/2022; Ambient Temp: 23.3°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 836.5 MHz; Calibrated: 6/9/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 5 (Cell.), Antenna A, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.50 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.328 W/kg
Smallest distance from peaks to all points 3 dB below = 13.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.9%



0 dB = 0.457 W/kg = -3.40 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0032M

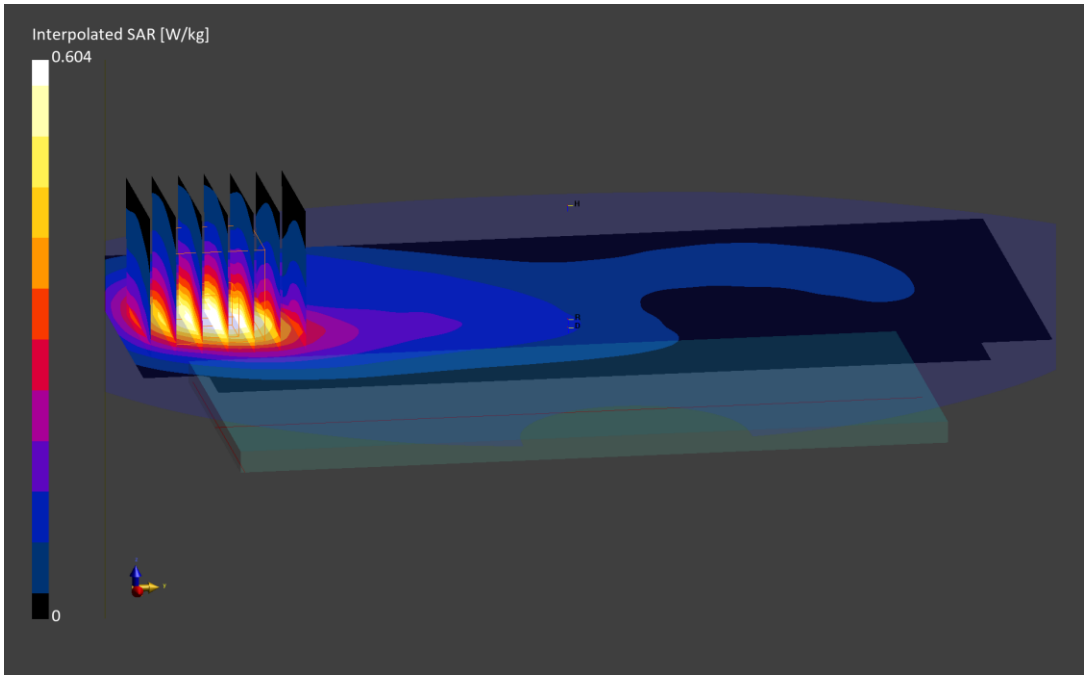
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1745.0 MHz; cond = 1.49 S/m; perm = 51.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 09/16/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66 (AWS), ULCA CA _66C, Antenna A, Body SAR, Back Side, Mid Ch., PCC: 20 MHz Bandwidth QPSK, Ch. 132322, 1 RB, 99 RB Offset SCC: 20 MHz Bandwidth QPSK, Ch. 132520, 1 RB, 0 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.54 W/kg; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.923 W/kg
SAR(1 g) = 0.558 W/kg
Smallest distance from peaks to all points 3 dB below is 14.0 mm
Ratio of SAR at M2 to SAR at M1 = 84.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0164M

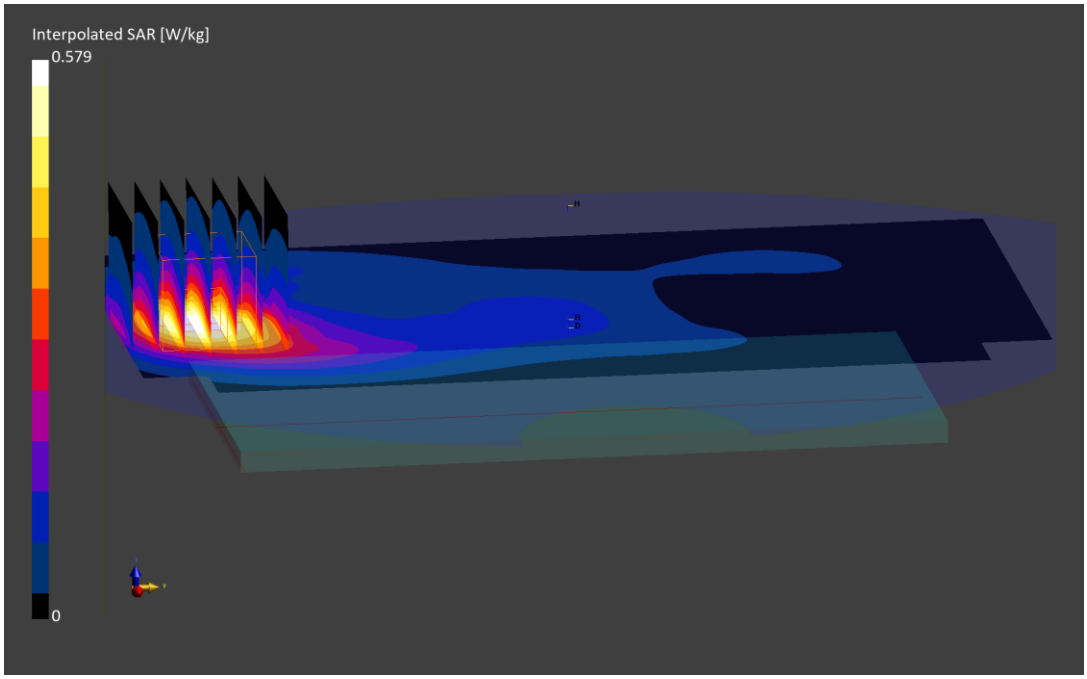
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1905.0 MHz; cond = 1.53 S/m; perm = 53.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/25/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 25, Antenna A, Body SAR, Back side, High Ch, 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.53 W/kg; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.885 W/kg
SAR(1 g) = 0.511 W/kg
Smallest distance from peaks to all points 3 dB below is 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 82.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0171M

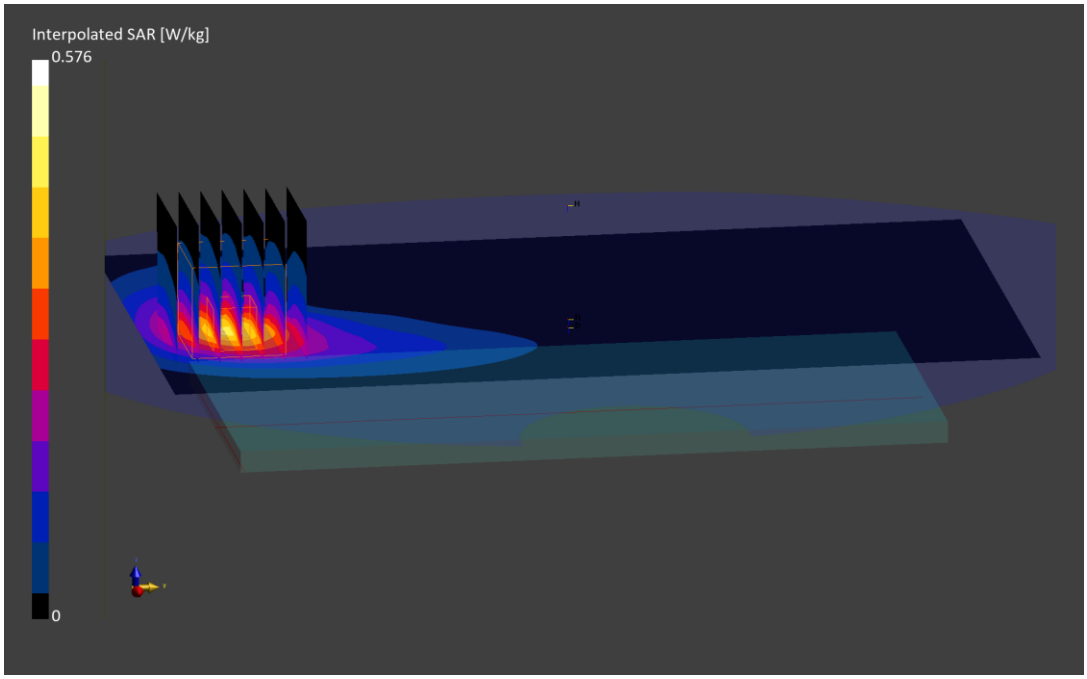
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2310.0 MHz; cond = 1.82 S/m; perm = 52.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7659; ConvF:(8.91,8.91,8.91); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 30, Antenna A, Body SAR, Back Side, 10 MHz Bandwidth, Mid Ch., QPSK, 1 RB, 25 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.31 W/kg; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.351 W/kg
Smallest distance from peaks to all points 3 dB below is 15.3 mm
Ratio of SAR at M2 to SAR at M1 = 86.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0171M

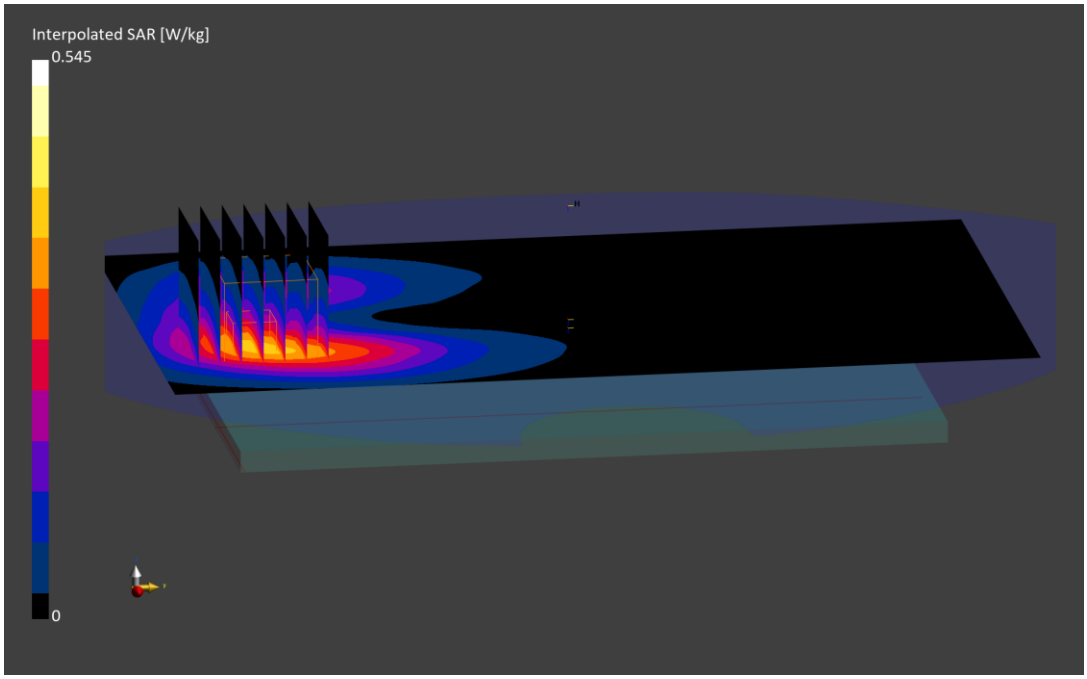
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 2535.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2535.0 MHz; cond = 2.03 S/m; perm = 52.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 7, Antenna B, Body SAR, Back Side, Mid Ch, 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.27 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.545 W/kg
SAR(1 g) = 0.312 W/kg
Smallest distance from peaks to all points 3 dB below is 16.3 mm
Ratio of SAR at M2 to SAR at M1 = 84.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0193M

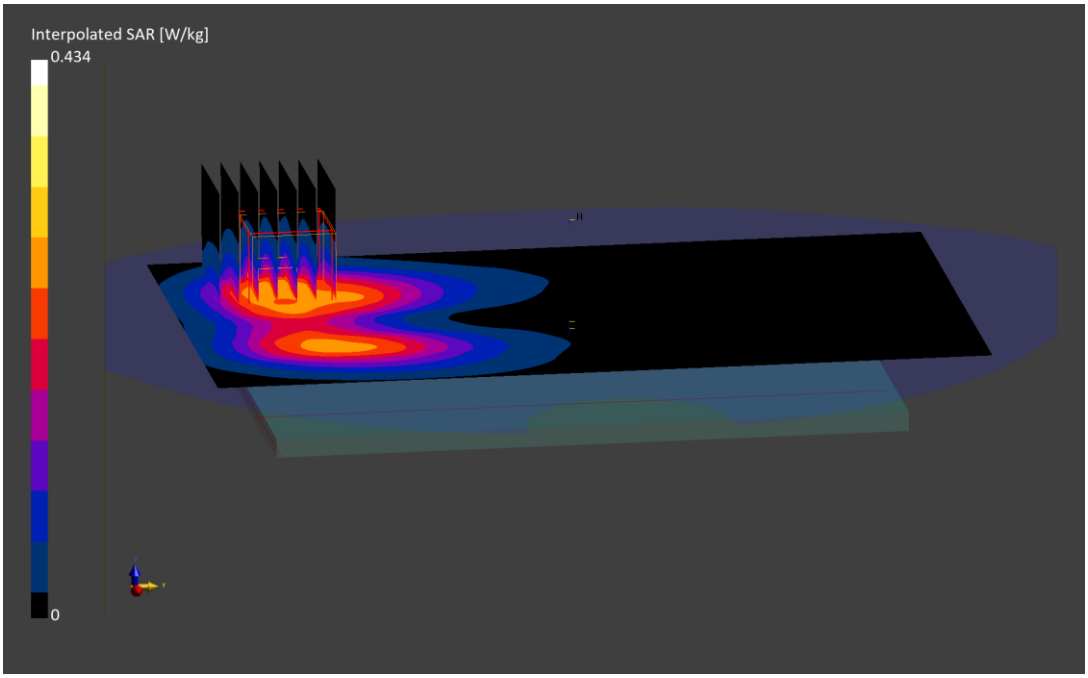
Communication System: UID:10435 - AAG, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2593.0 MHz; cond = 2.09 S/m; perm = 52.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 41, Antenna B, PC3 ULCA, Body SAR, Back Side, Mid Ch., PCC: 20 MHz Bandwidth, Ch.40620 QPSK, 1 RB, 99 RB Offset SCC: 20 MHz Bandwidth, Ch.40818 QPSK, 1 RB, 0 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.20 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.434 W/kg
SAR(1 g) = 0.236 W/kg
Smallest distance from peaks to all points 3 dB below is 13.7 mm
Ratio of SAR at M2 to SAR at M1 = 82.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1533M

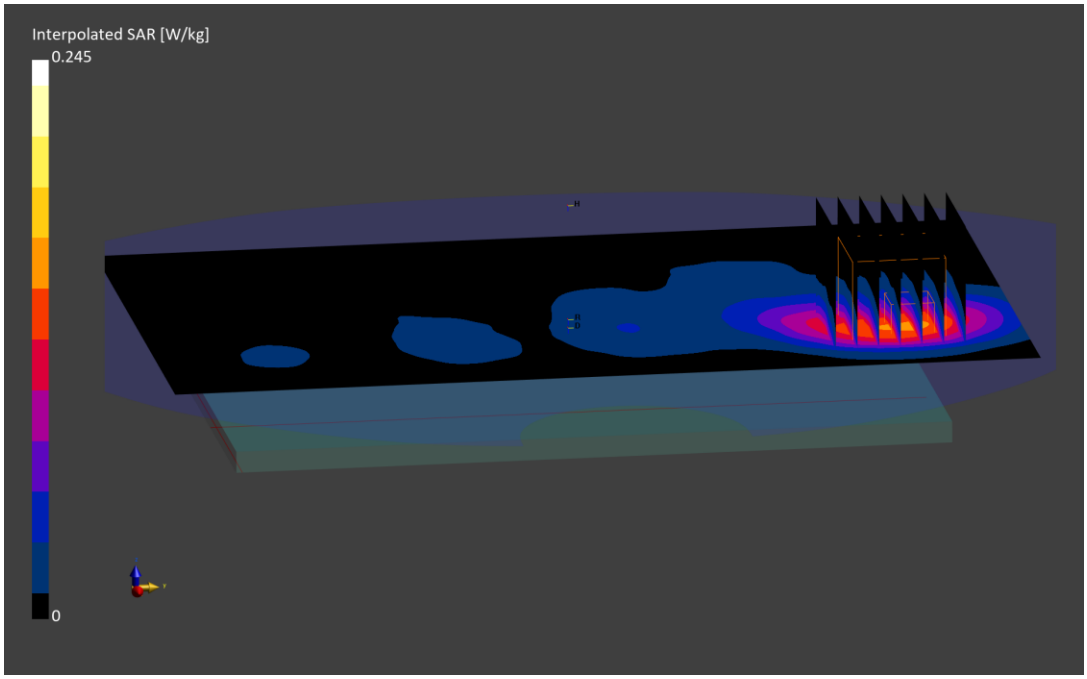
Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 3560.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3560.0 MHz; cond = 3.27 S/m; perm = 51.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/31/2022; Ambient Temp: 23.0°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7410; ConvF:(6.65,6.65,6.65); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 48, Antenna G, ULCA, Body SAR, Back Side, Low Ch., QPSK
PCC: 20 MHz Bandwidth, Ch. 55340, 50 RB, 50 RB Offset
SCC: 20 MHz Bandwidth, Ch. 55538, 50 RB, 0 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.09 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.112 W/kg
Smallest distance from peaks to all points 3 dB below is 14.5 mm
Ratio of SAR at M2 to SAR at M1 = 78.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0170M

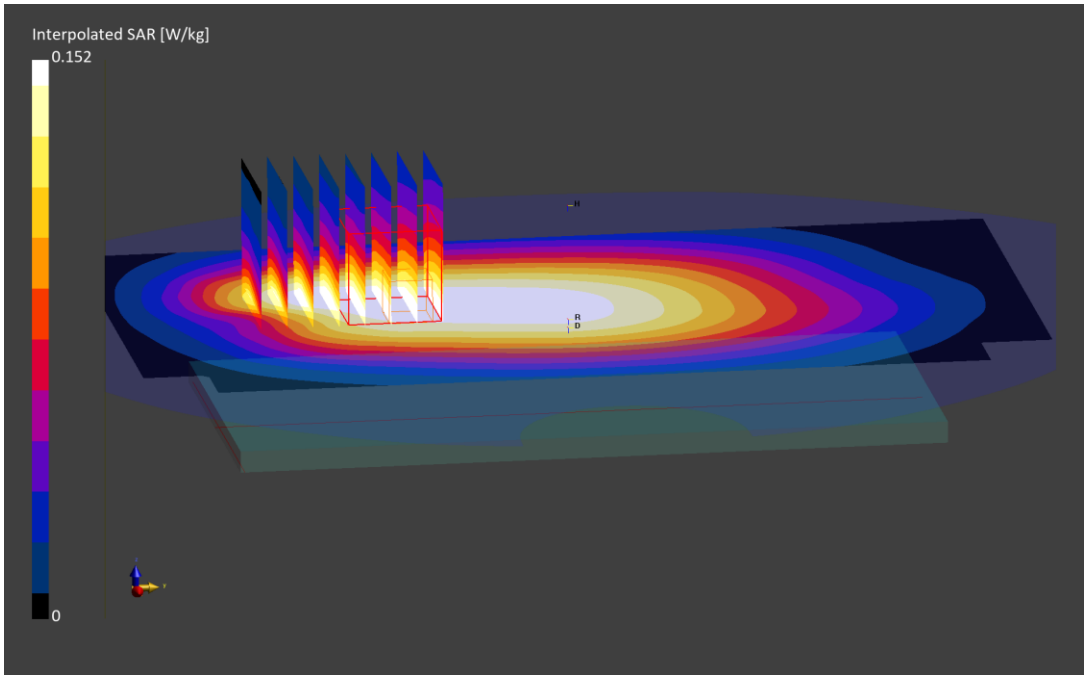
Communication System: UID:10931 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 680.5 MHz
Medium: 750 Body; Medium parameters used:
f = 680.5 MHz; cond = 0.911 S/m; perm = 54.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n71, Antenna A, Body SAR, Back Side, Ch. 136100, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 53 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.15 W/kg; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.230 W/kg
SAR(1 g) = 0.141 W/kg
Smallest distance from peaks to all points 3 dB below is 20.7 mm
Ratio of SAR at M2 to SAR at M1 = 82.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0170M

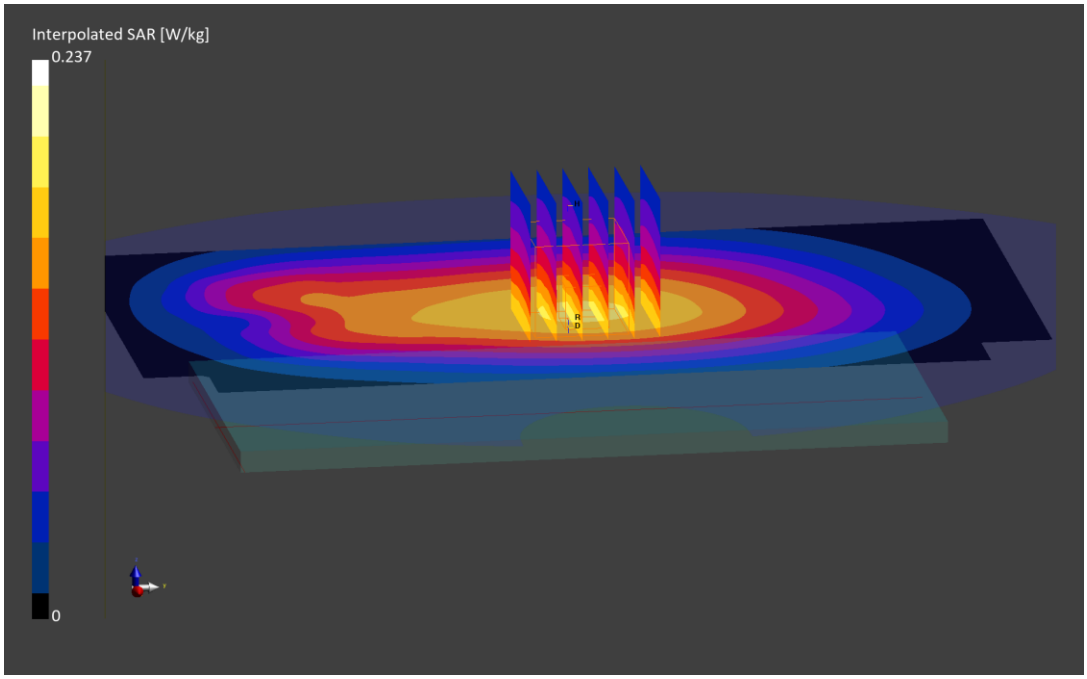
Communication System: UID:10930 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Body; Medium parameters used:
f = 707.5 MHz; cond = 0.920 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n12, Antenna A, Body SAR, Back Side, Ch. 141500, 15 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.18 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.237 W/kg
SAR(1 g) = 0.167 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 = 87.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0170M

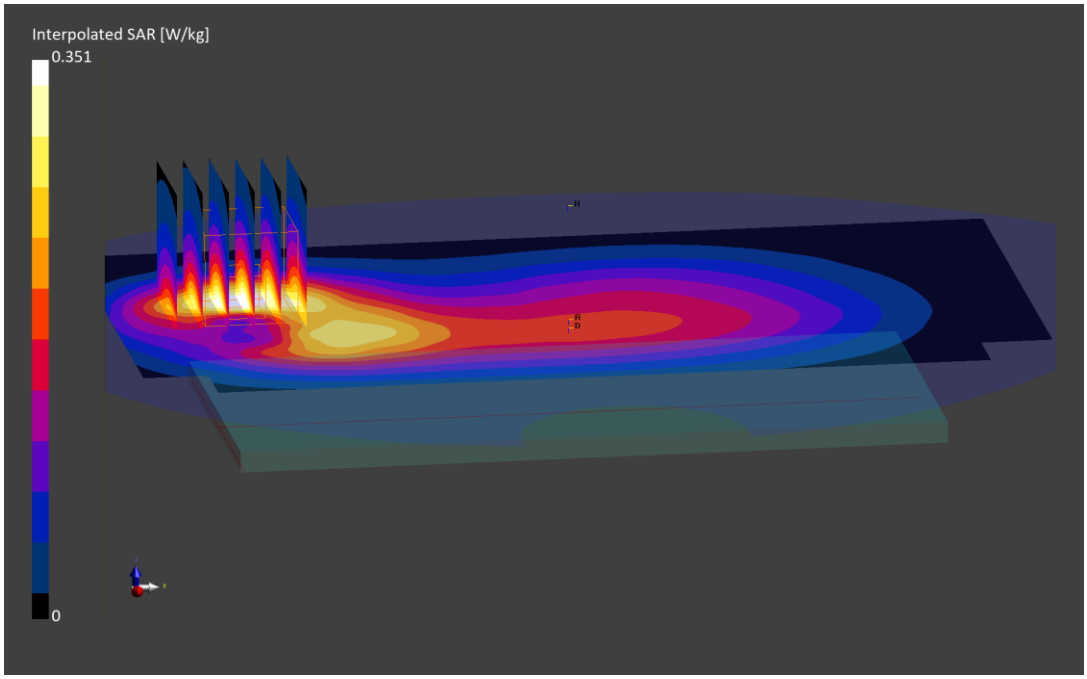
Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 831.5 MHz
Medium: 835 Body; Medium parameters used:
f = 831.5 MHz; cond = 0.963 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/19/2022; Ambient Temp: 23.4°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7660; ConvF:(10.61,10.61,10.61); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2022-05-10
Phantom: Twin-SAM V5.0; Serial: 1692rightback
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n26, Antenna A, Body SAR, Back Side, Ch. 166300, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 28 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.26 W/kg; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.304 W/kg
Smallest distance from peaks to all points 3 dB below is 13.3 mm
Ratio of SAR at M2 to SAR at M1 = 84.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

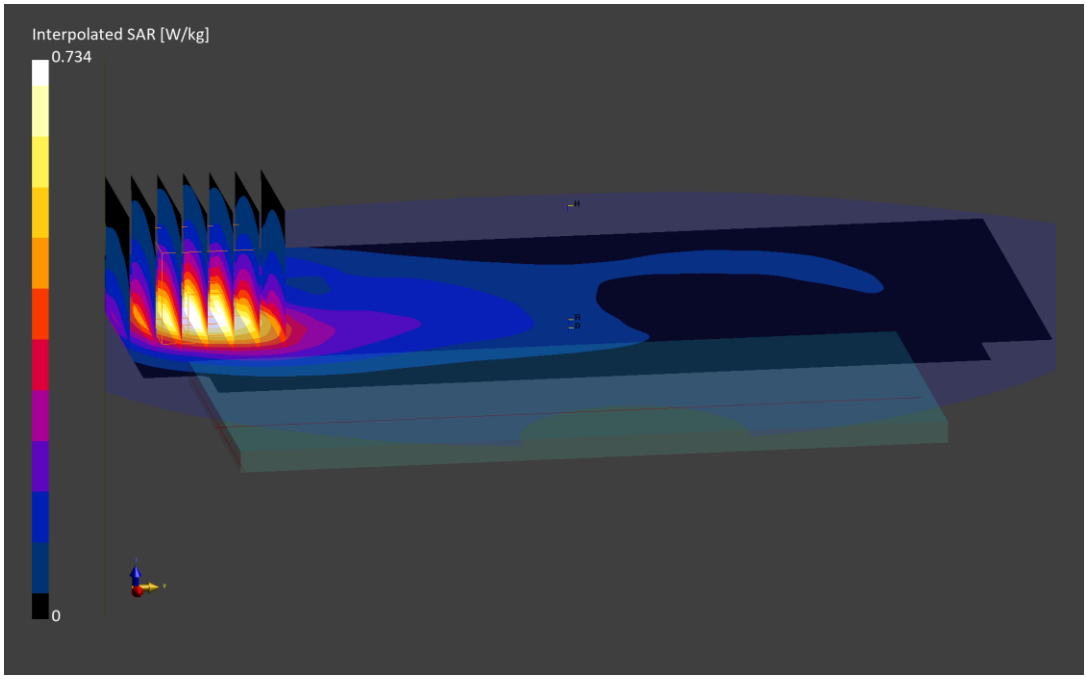
Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1745.0 MHz; cond = 1.53 S/m; perm = 51.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/22/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna A, Body SAR, Back Side, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 108 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.71 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.696 W/kg
Smallest distance from peaks to all points 3 dB below is 13.7 mm
Ratio of SAR at M2 to SAR at M1 = 84.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

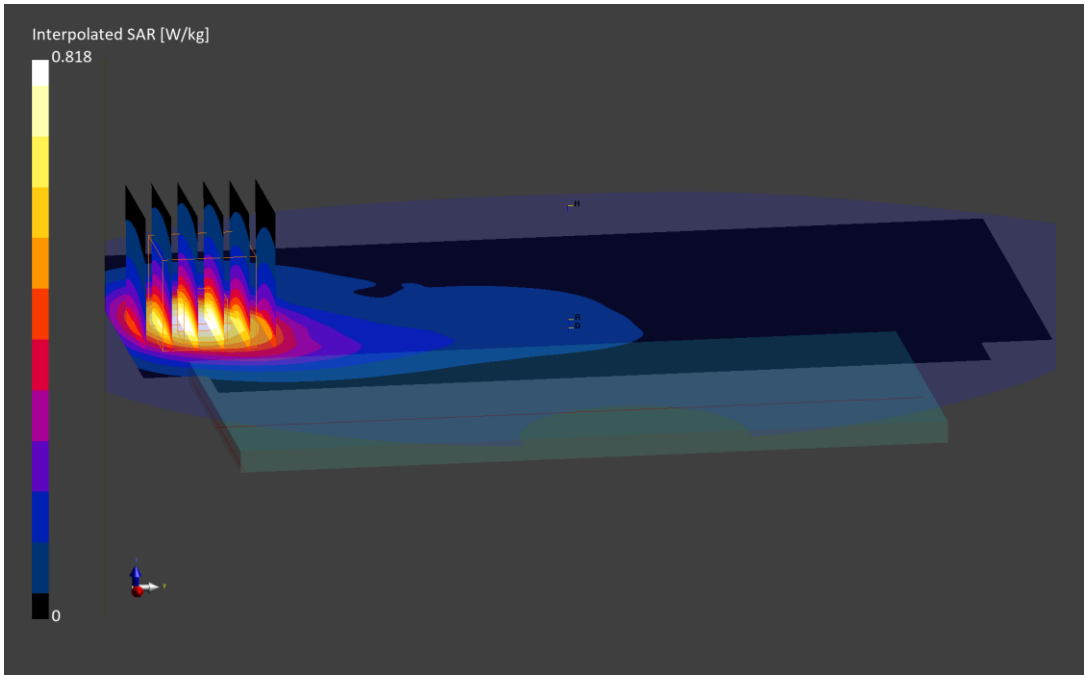
Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.5 MHz
Medium: 1900 Body; Medium parameters used:
f = 1882.5 MHz; cond = 1.54 S/m; perm = 50.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/12/2022; Ambient Temp: 21.7°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n25, Antenna A, Body SAR, Back Side, Ch. 376500, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 108 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.73 W/kg; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.721 W/kg
Smallest distance from peaks to all points 3 dB below is 14.1 mm
Ratio of SAR at M2 to SAR at M1 = 85.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

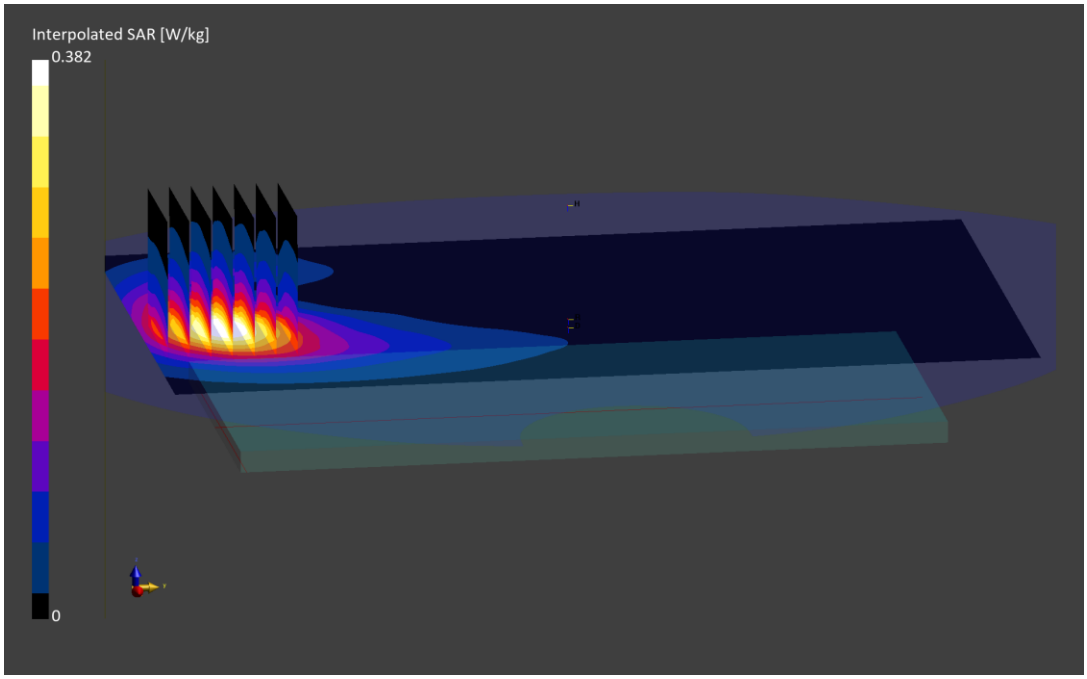
Communication System: UID:10929 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2310.0 MHz; cond = 1.84 S/m; perm = 52.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/22/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7659; ConvF:(8.91,8.91,8.91); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n30, Antenna A, Body SAR, Back Side, Ch. 462000, 10 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 26 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.01 W/kg; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.297 W/kg
Smallest distance from peaks to all points 3 dB below is 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 86.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

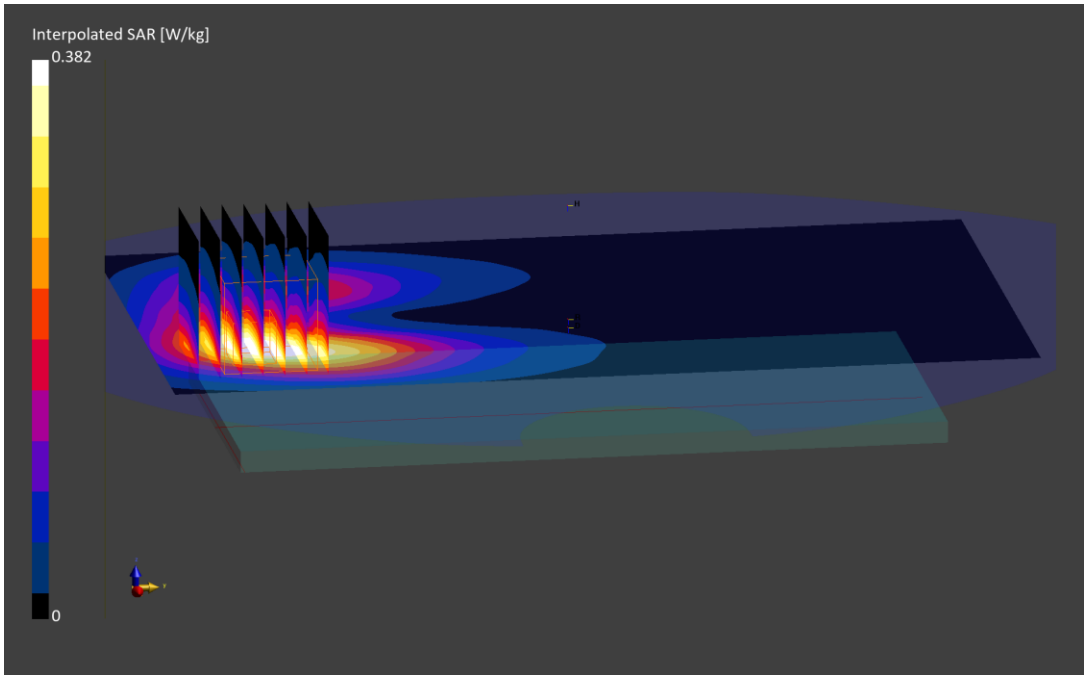
Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2535.0 MHz; cond = 2.03 S/m; perm = 52.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/26/2022; Ambient Temp: 22.0°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n7, Antenna B, Body SAR, Back Side, Ch. 507000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 54 RB Offset

Area Scan (120.0 x 200.0): 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 = 0.43 W/kg; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.879 W/kg
SAR(1 g) = 0.493 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 = 82.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1648M

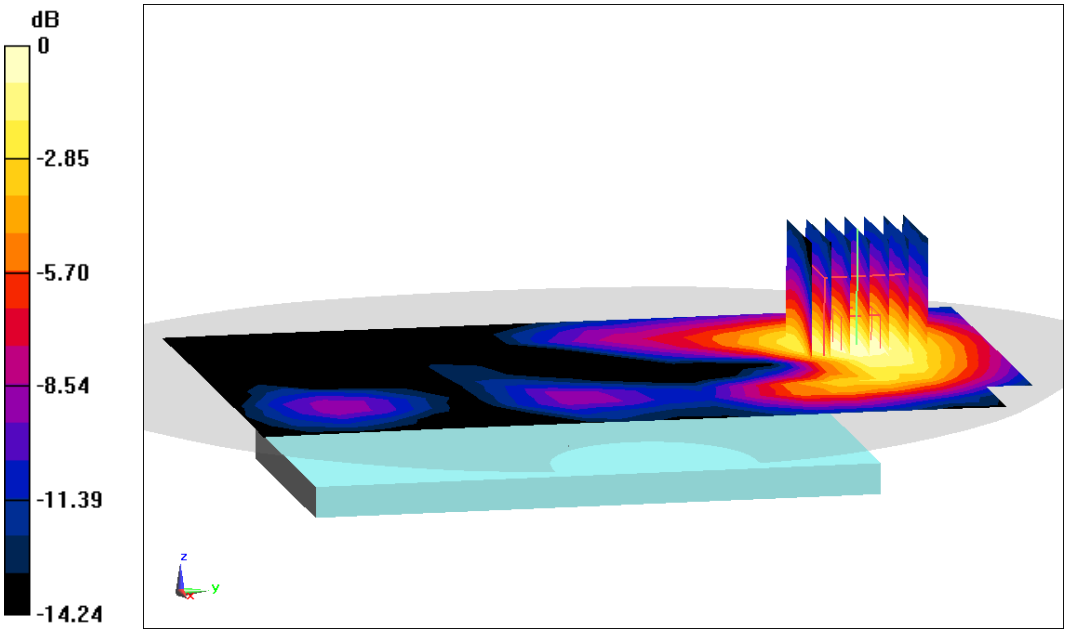
Communication System: UID 0, NR Band n41 Full DC; Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium: 2450 Body; Medium parameters used (interpolated):
f = 2592.99 MHz; σ = 2.16 S/m; ε_r = 52.482; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/24/2022; Ambient Temp: 22.1°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7491; ConvF(7.75, 7.75, 7.75) @ 2592.99 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: NR Band n41, Antenna F, Body SAR, Back Side, 100 MHz Bandwidth, CP-OFDM QPSK, Ch. 518598, 1 RB, 1 RB Offset

Area Scan (11x18x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan 1 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.394 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.142 W/kg
Smallest distance from peaks to all points 3 dB below = 17 mm
Ratio of SAR at M2 to SAR at M1 = 57.3%



0 dB = 0.206 W/kg = -6.86 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1611M

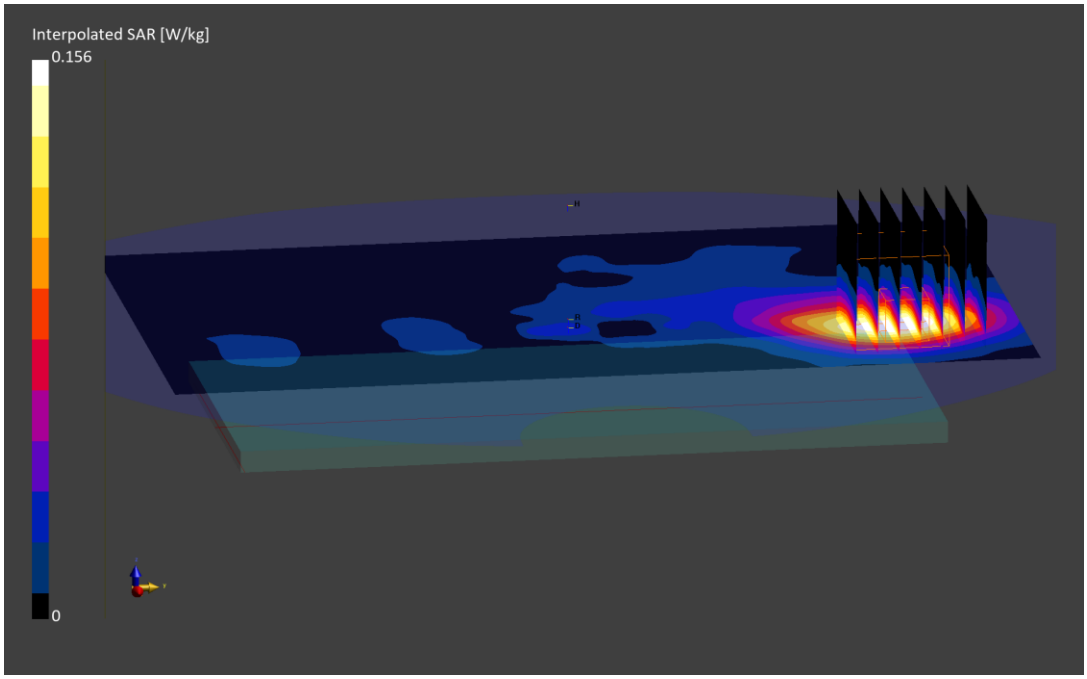
Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3570.0 MHz; Cond = 3.30 S/m; perm = 50.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.7°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3837; ConvF:(5.99,5.99,5.99); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2022-01-13
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n48, Antenna G, Body SAR, Back Side, 40 MHz Bandwidth, Ch.638000, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.09 W/kg; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.257 W/kg
SAR (1 g) = 0.115 W/kg;
Smallest distance from peaks to all points 3 dB below is 15.6 mm
Ratio of SAR at M2 to SAR at M1 = 76.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1651M

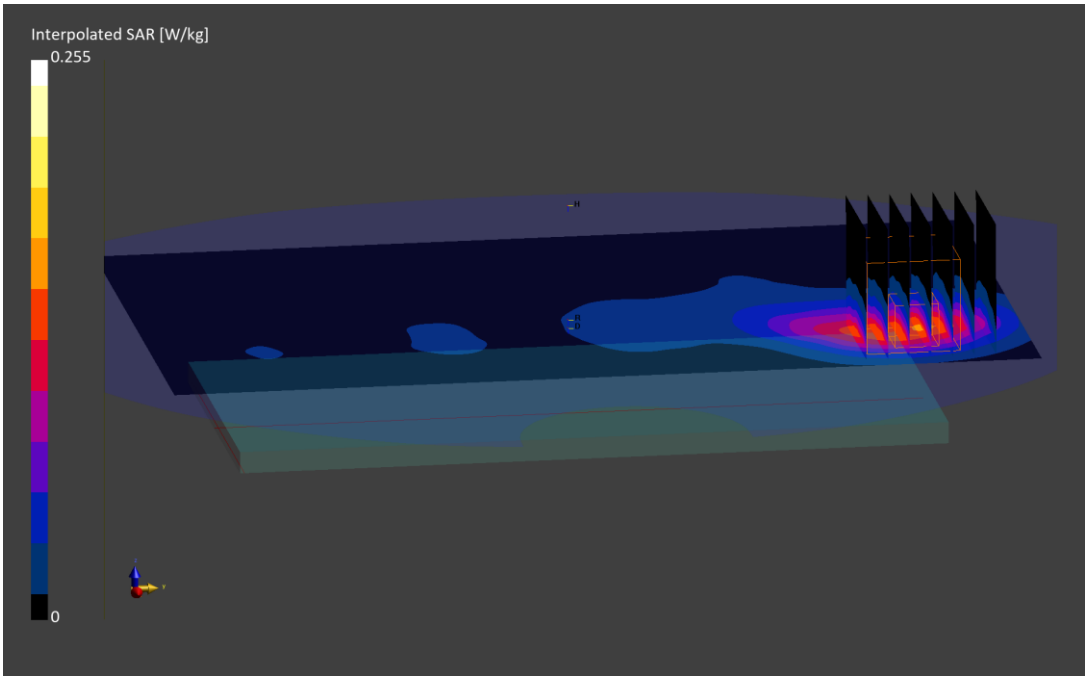
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.18 S/m; perm = 50.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/03/2022; Ambient Temp: 22.9°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7639; ConvF:(6.91,6.91,6.91); Calibrated: 2021-11-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77 DoD, Antenna G, Body SAR, Back side, Ch. 633334, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.08 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.115 W/kg
Smallest distance from peaks to all points 3 dB below is 13.5 mm
Ratio of SAR at M2 to SAR at M1 = 76.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1611M

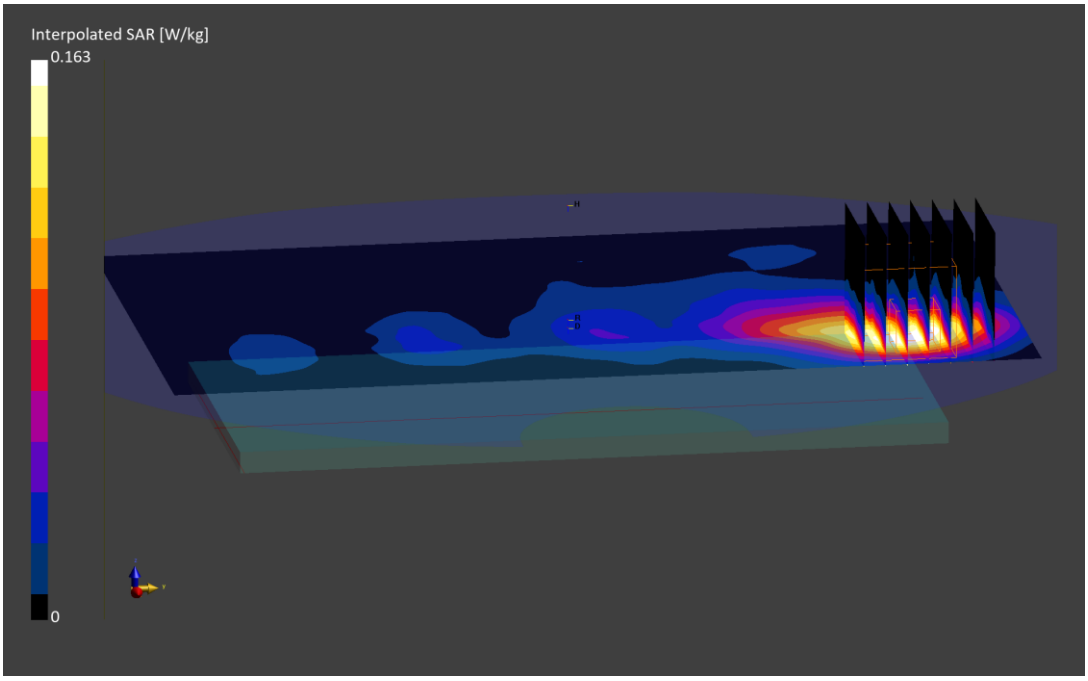
Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3750.0 MHz; cond = 3.52 S/m; perm = 50.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.7°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3837; ConvF:(5.84,5.84,5.84); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2022-01-13
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77, Antenna G, Body SAR, Back Side, Ch. 650000, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 0 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.10 W/kg; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.281 W/kg
SAR(1 g) = 0.119 W/kg
Smallest distance from peaks to all points 3 dB below is 13.5 mm
Ratio of SAR at M2 to SAR at M1 = 73.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1469M

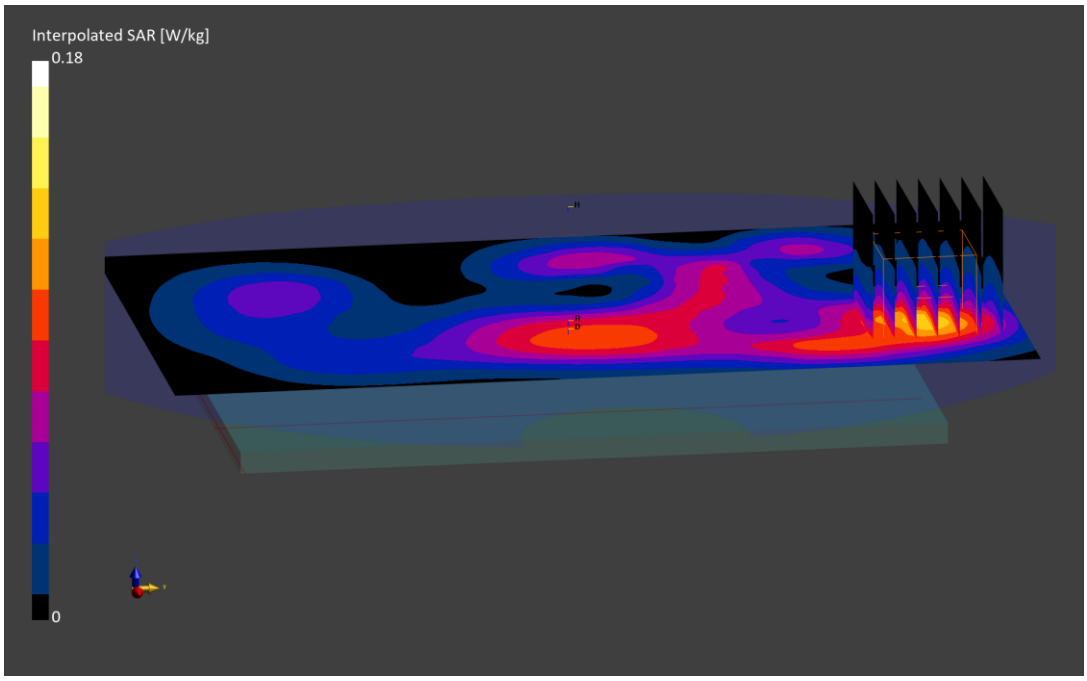
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2412.0 MHz; cond = 1.99 S/m; perm = 52.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/18/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.86,8.86,8.86); Calibrated: 2022-02-24
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO, Body SAR, Back Side, Ch. 1, 1 Mbps

Area Scan (120.0 x 200.0): 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 = 0.10 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.101 W/kg
Smallest distance from peaks to all points 3 dB below is 15.3 mm
Ratio of SAR at M2 to SAR at M1 = 83.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1521M

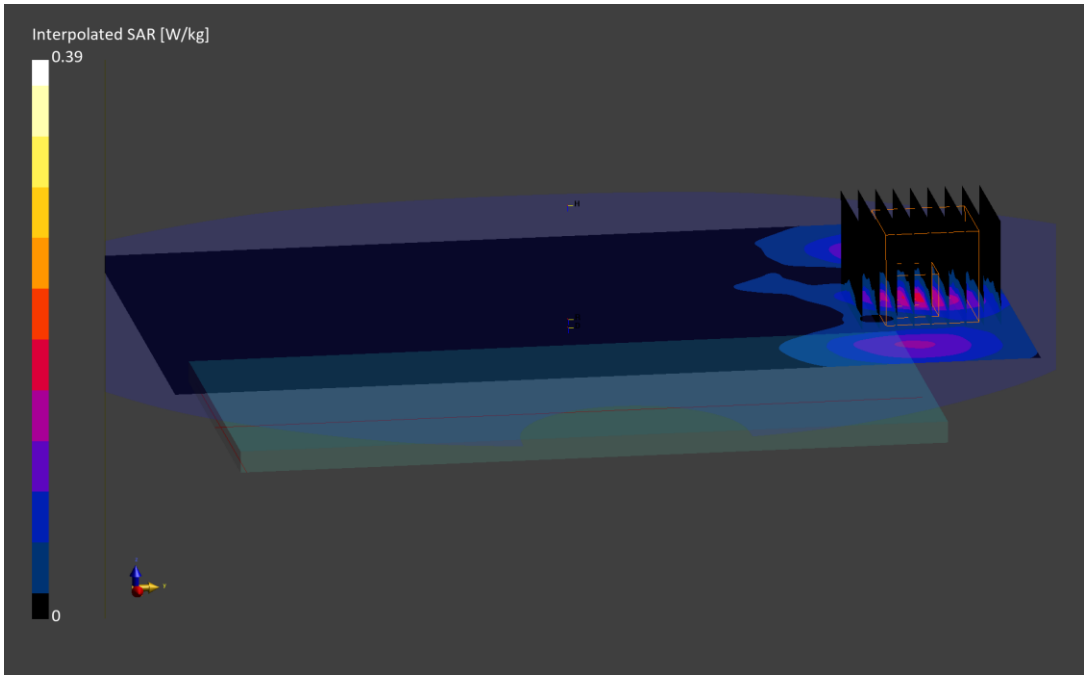
Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 5500.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5500.0 MHz; cond = 5.61 S/m; perm = 46.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7659; ConvF:(4.6,4.6,4.6); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-2C, MIMO, Ch. 100, Body SAR, Back Side, 13 Mbps

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.01 W/kg; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.116 W/kg
Smallest distance from peaks to all points 3 dB below is 12.3 mm
Ratio of SAR at M2 to SAR at M1 = 70.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1521M

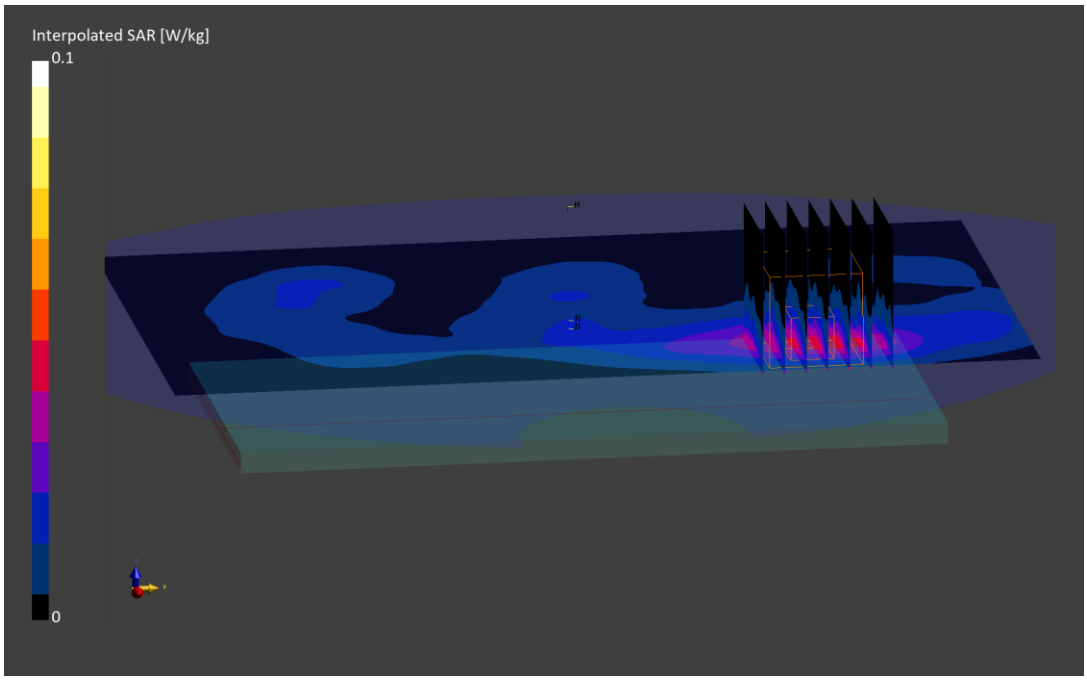
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2441.0 MHz; cond = 2.01 S/m; perm = 50.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/31/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 1, Body SAR, Ch. 39, 1Mbps, Back Side

Area Scan (120.0 x 200.0): 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 = 0.04 W/kg; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.069 W/kg
SAR(1 g) = 0.035 W/kg
Smallest distance from peaks to all points 3 dB below is 15.7 mm
Ratio of SAR at M2 to SAR at M1 = 78.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0174M

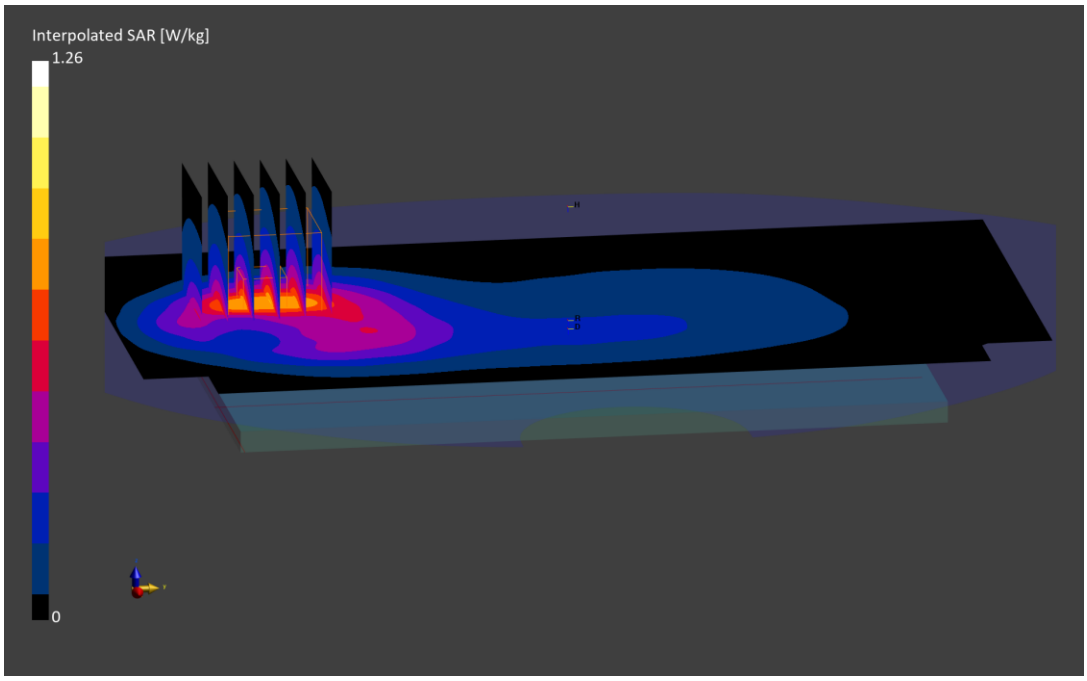
Communication System: UID:10027 - DAC, GSM; MAIA: Y; Frequency: 836.6 MHz
Medium: 835 Body; Medium parameters used:
f = 836.6 MHz; cond = 0.948 S/m; perm = 53.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/26/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7640; ConvF:(10.66,10.66,10.66); Calibrated: 2022-02-24
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GPRS 850, Antenna A, Body SAR, Back Side, Mid Ch., 3 Tx Slots

Area Scan (120.0 x 210.0): 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 = 0.70 W/kg; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.724 W/kg
Smallest distance from peaks to all points 3 dB below is 12.0 mm
Ratio of SAR at M2 to SAR at M1 = 85.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0164M

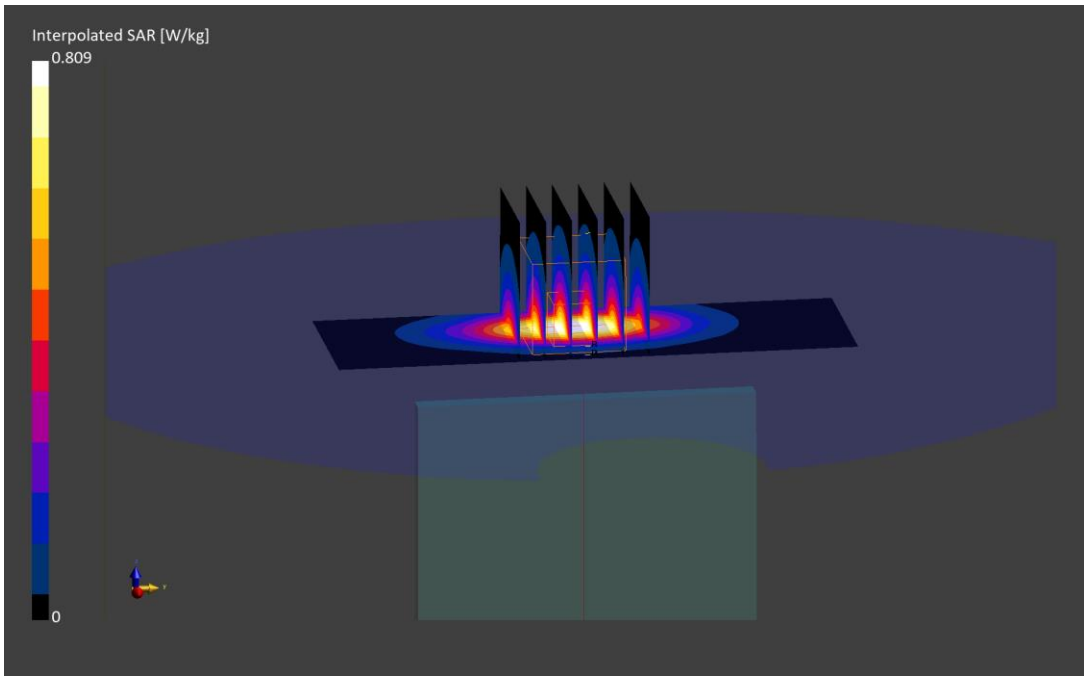
Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz
Medium: 1900 Body; Medium parameters used:
f = 1909.8 MHz; cond = 1.57 S/m; perm = 51.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/29/2022; Ambient Temp: 23.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.66,7.66,7.66); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GPRS 1900, Antenna A, Body SAR, Bottom Edge, High Ch., 4 Tx Slots

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.63 W/kg; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.622 W/kg
Smallest distance from peaks to all points 3 dB below is 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 83.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0174M

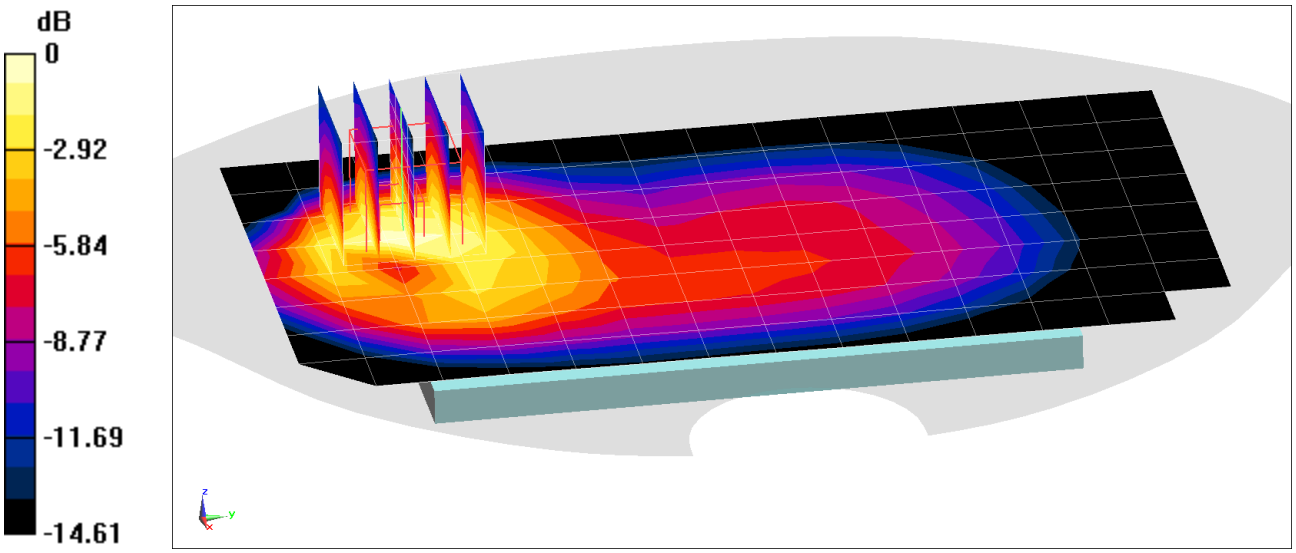
Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 846.6 MHz; σ = 0.939 S/m; ε_r = 53.05; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/22/2022; Ambient Temp: 23.4°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 846.6 MHz; Calibrated: 6/9/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: UMTS 850, Antenna A, Body SAR, Back side, High.ch

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan 1 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.15 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.914 W/kg
SAR(1 g) = 0.548 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 61.5%



0 dB = 0.771 W/kg = -1.13 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0172M

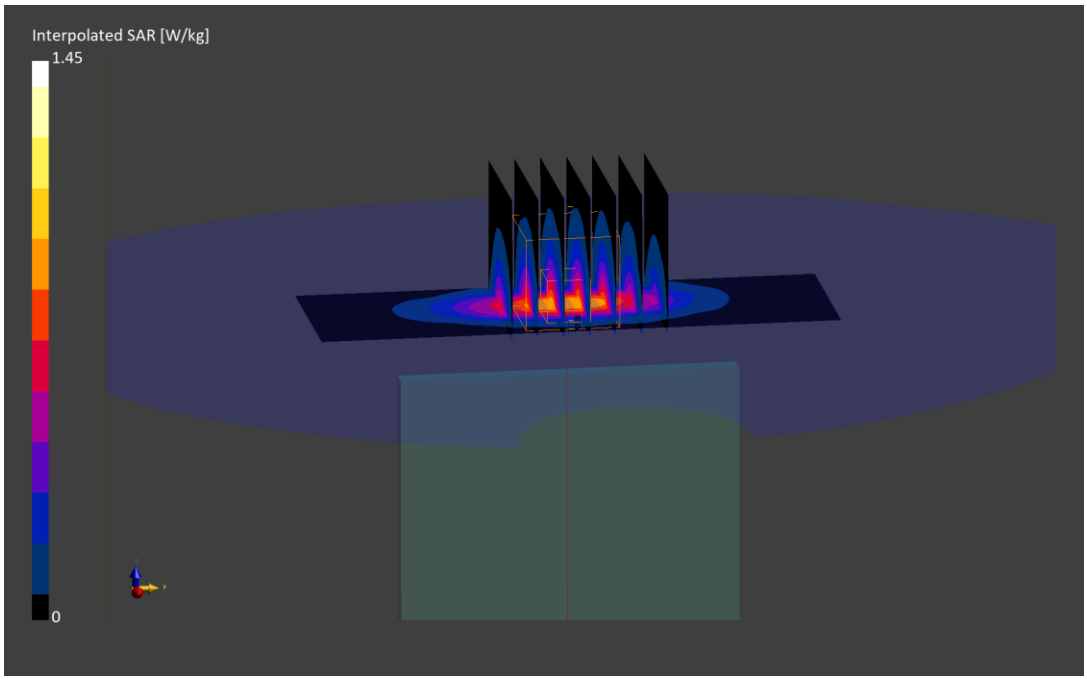
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1752.6 MHz
Medium: 1750 Body; Medium parameters used:
f = 1752.6 MHz; cond = 1.51 S/m; perm = 50.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/14/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Body SAR. Bottom Edge, High Ch.

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.82 W/kg; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.804 W/kg
Smallest distance from peaks to all points 3 dB below is 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 82.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0181M

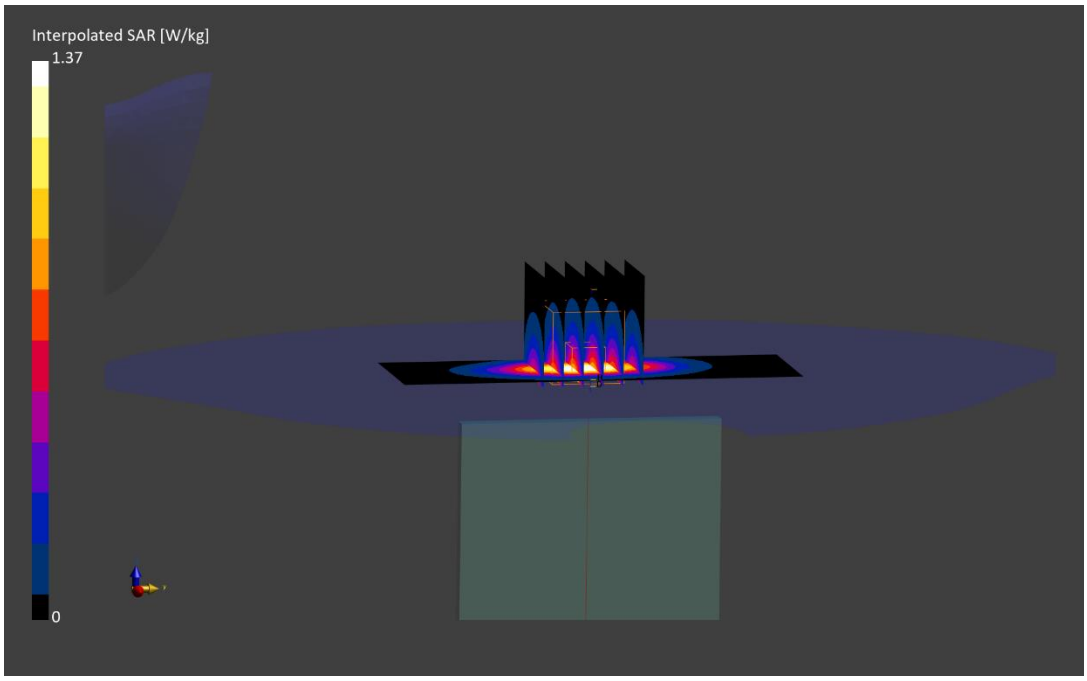
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1907.6 MHz
Medium: 1900 Body; Medium parameters used:
f = 1907.6 MHz; cond = 1.57 S/m; perm = 51.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/14/2022; Ambient Temp: 21.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, Body SAR, Bottom Edge, High Ch.

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.76 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.762 W/kg
Smallest distance from peaks to all points 3 dB below is 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 83.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

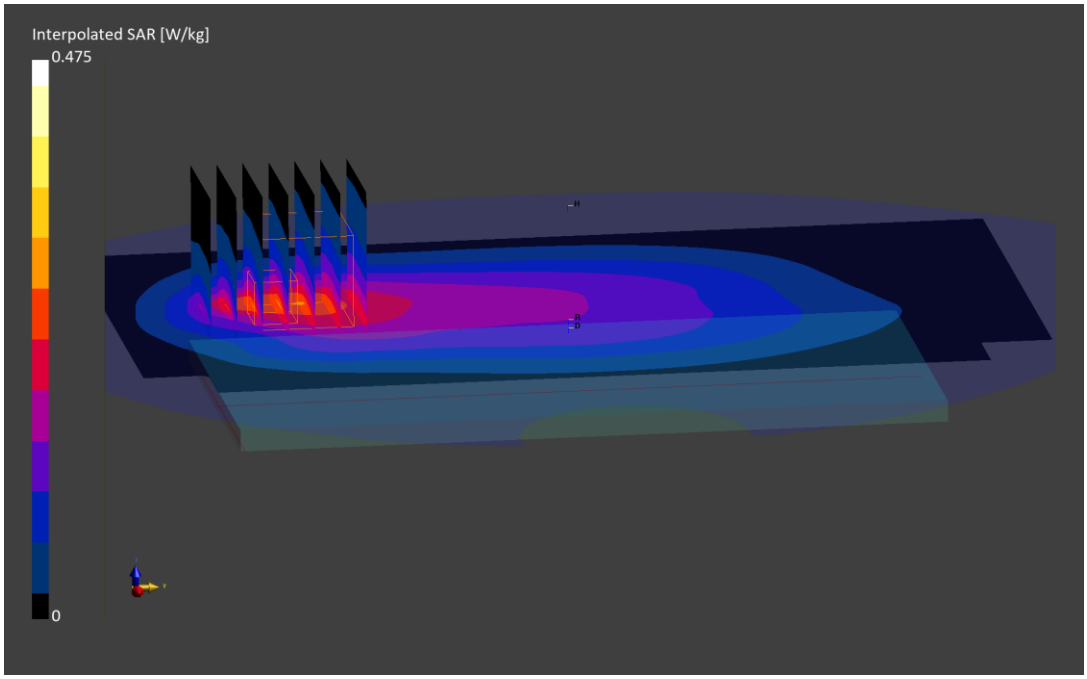
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 680.5 MHz
Medium: 750 Body; Medium parameters used:
f = 680.5 MHz; cond = 0.918 S/m; perm = 53.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/21/2022; Ambient Temp: 23.1°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 71, Antenna A, Body SAR, Back side, Mid Ch., 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.25 W/kg; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.475 W/kg
SAR(1 g) = 0.250 W/kg;
Smallest distance from peaks to all points 3 dB below is 15.2 mm
Ratio of SAR at M2 to SAR at M1 = 80.4 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0184M

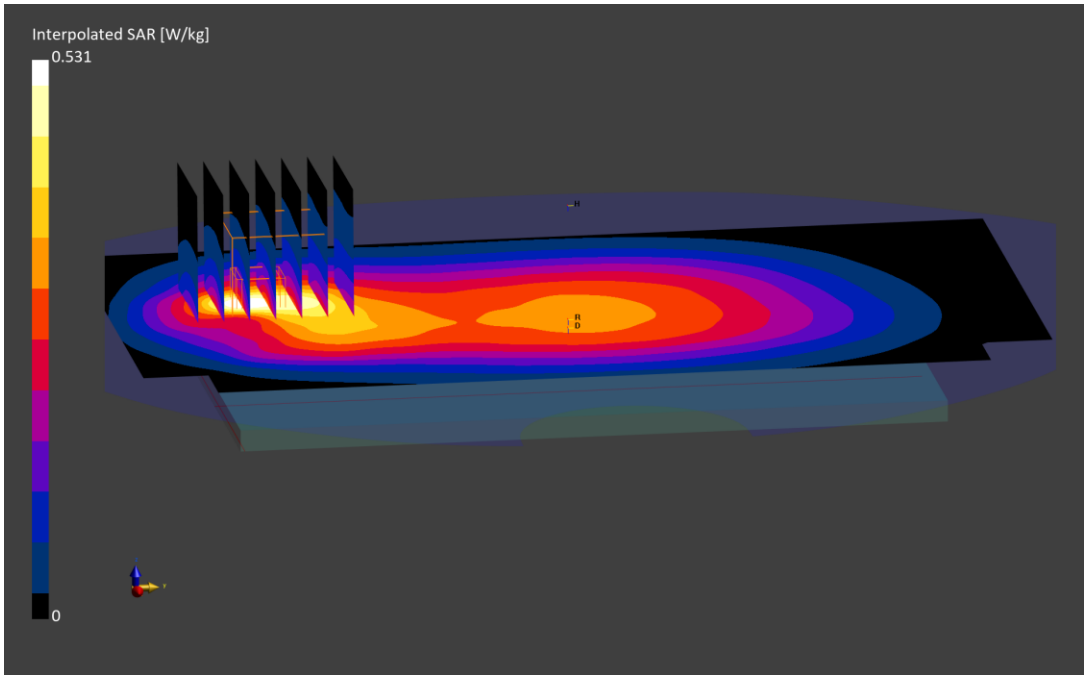
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Body; Medium parameters used:
f = 707.5 MHz; cond = 0.921 S/m; perm = 53.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/23/2022; Ambient Temp: 23.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 12, Antenna A, Body SAR, Back Side, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.28 W/kg; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.274 W/kg;
Smallest distance from peaks to all points 3 dB below is 13.7 mm
Ratio of SAR at M2 to SAR at M1 = 80.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0208M

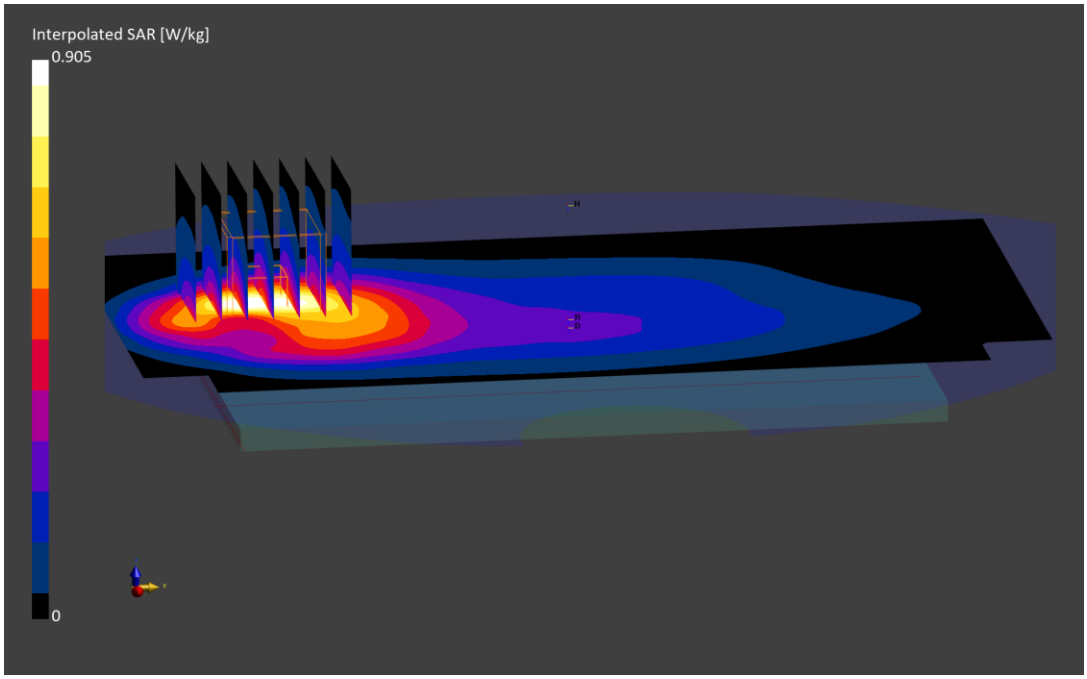
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz
Medium: 750 Body; Medium parameters used:
f = 782.0 MHz; cond = 0.948 S/m; perm = 53.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/26/2022; Ambient Temp: 23.2°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 13, Antenna A, Body SAR, Back side, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.49 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.494 W/kg;
Smallest distance from peaks to all points 3 dB below is 12.0 mm
Ratio of SAR at M2 to SAR at M1 = 82.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0208M

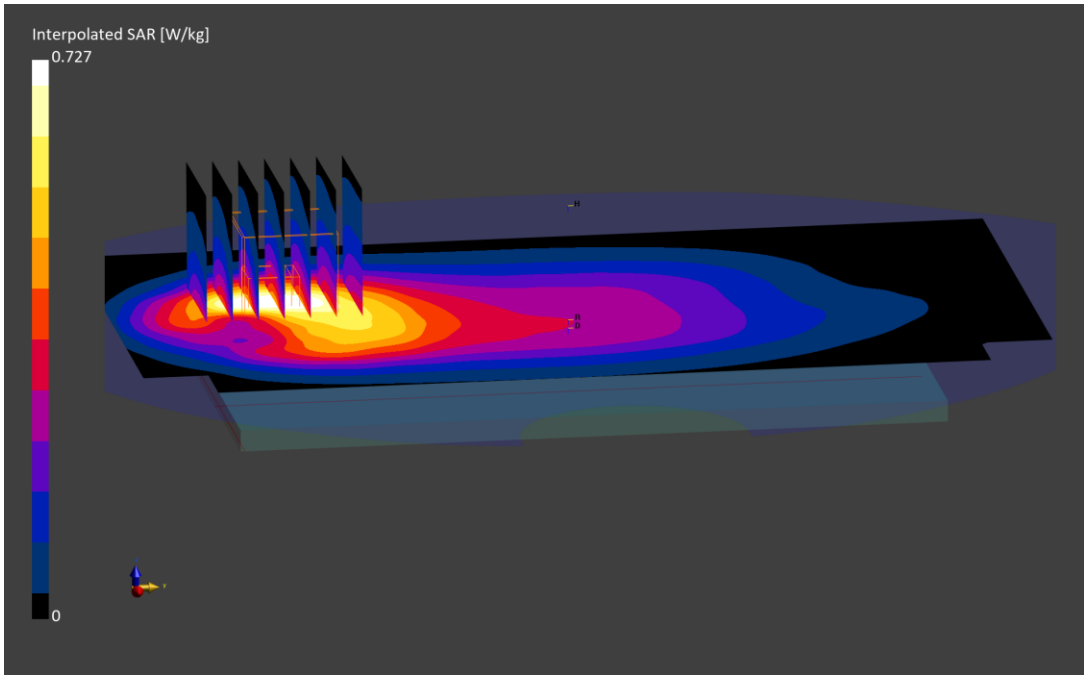
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 793.0 MHz
Medium: 750 Body; Medium parameters used:
f = 793.0 MHz; cond = 0.951 S/m; perm = 53.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/26/2022; Ambient Temp: 23.2°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 14, Antenna A, Body SAR, Back side, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.42 W/kg; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.727 W/kg
SAR(1 g) = 0.422 W/kg;
Smallest distance from peaks to all points 3 dB below is 14.6 mm
Ratio of SAR at M2 to SAR at M1 = 84.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0174M

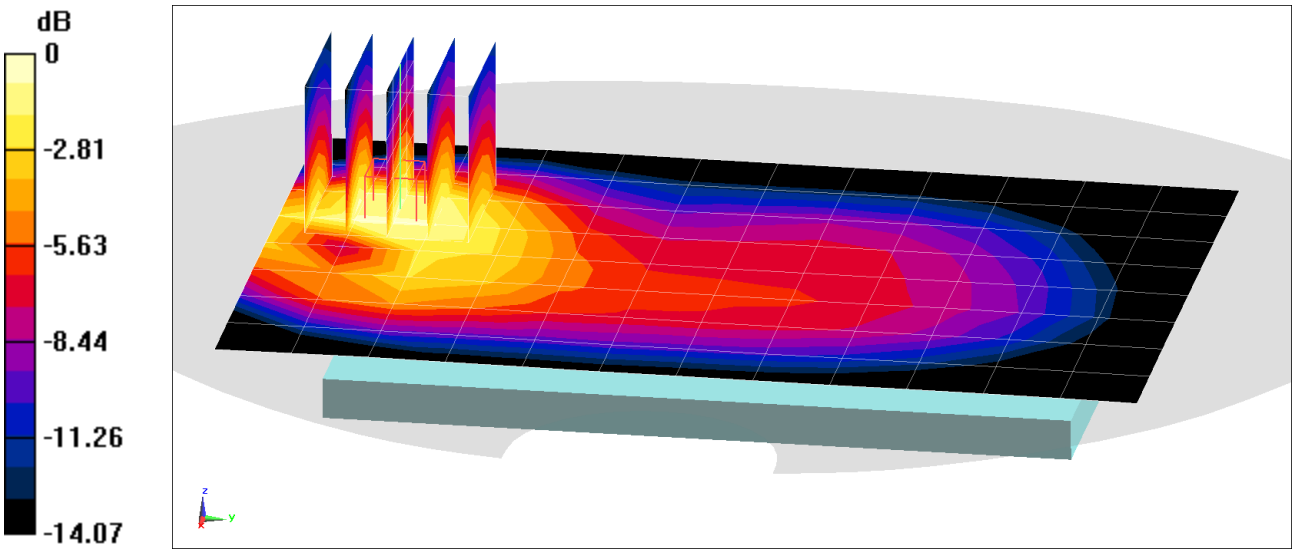
Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 831.5 MHz; σ = 0.934 S/m; ε_r = 53.029; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/21/2022; Ambient Temp: 23.3°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 831.5 MHz; Calibrated: 6/9/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 26 (Cell.), Antenna A, Body SAR, Back side, Mid.ch 15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.43 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.919 W/kg
SAR(1 g) = 0.554 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 62.6%



0 dB = 0.771 W/kg = -1.13 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0188M

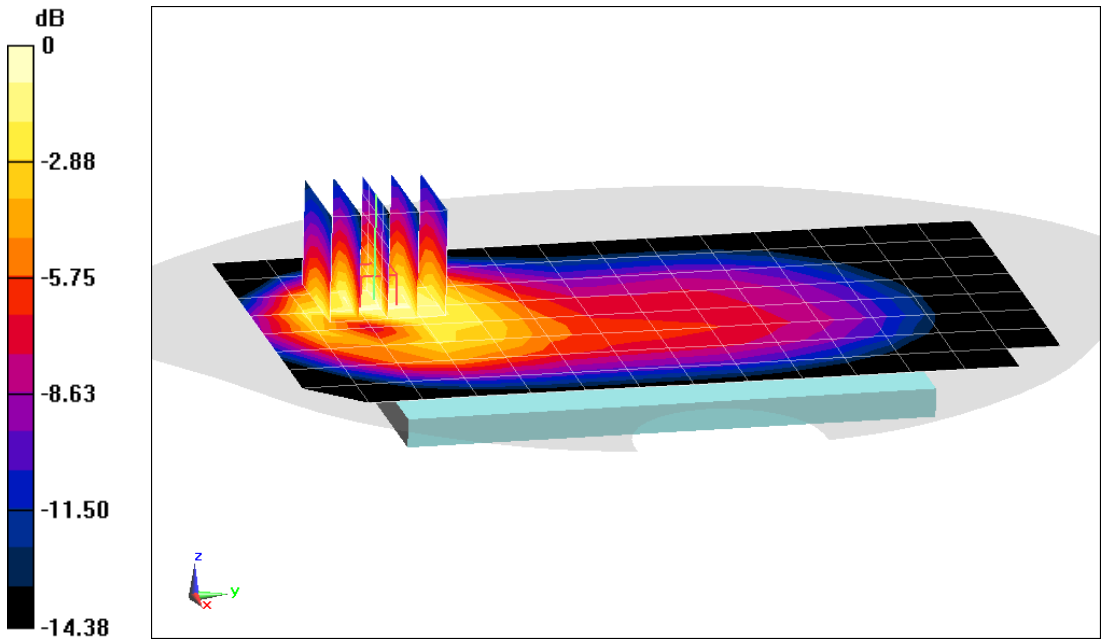
Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.5 MHz; σ = 0.935 S/m; ε_r = 52.479; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/26/2022; Ambient Temp: 23.3°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 836.5 MHz; Calibrated: 6/9/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 5 (Cell.), Antenna A, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.66 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.606 W/kg
Smallest distance from peaks to all points 3 dB below = 14.3 mm
Ratio of SAR at M2 to SAR at M1 = 60.1%



0 dB = 0.865 W/kg = -0.63 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0032M

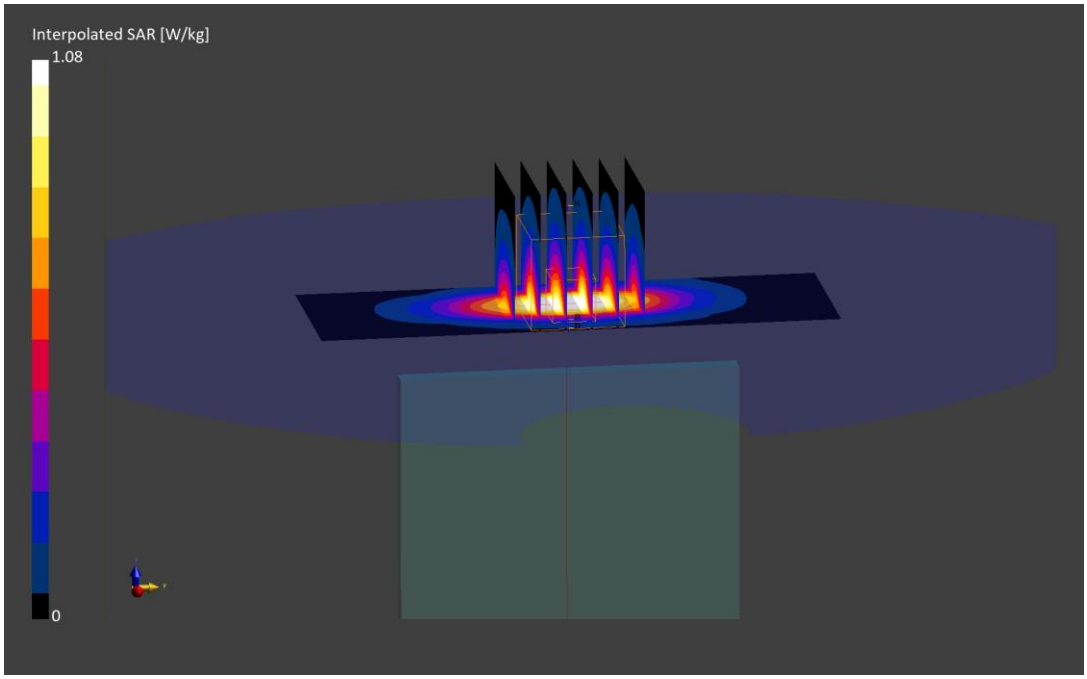
Communication System: UID:10297 - AAE, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1770.0 MHz; cond = 1.52 S/m; perm = 51.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/16/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66 (AWS), Antenna A, Body SAR, Bottom Edge, High Ch., 20 MHz Bandwidth QPSK, 50 RB, 50 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.93 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.906 W/kg
Smallest distance from peaks to all points 3 dB below is 10.3 mm
Ratio of SAR at M2 to SAR at M1 = 82.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0164M

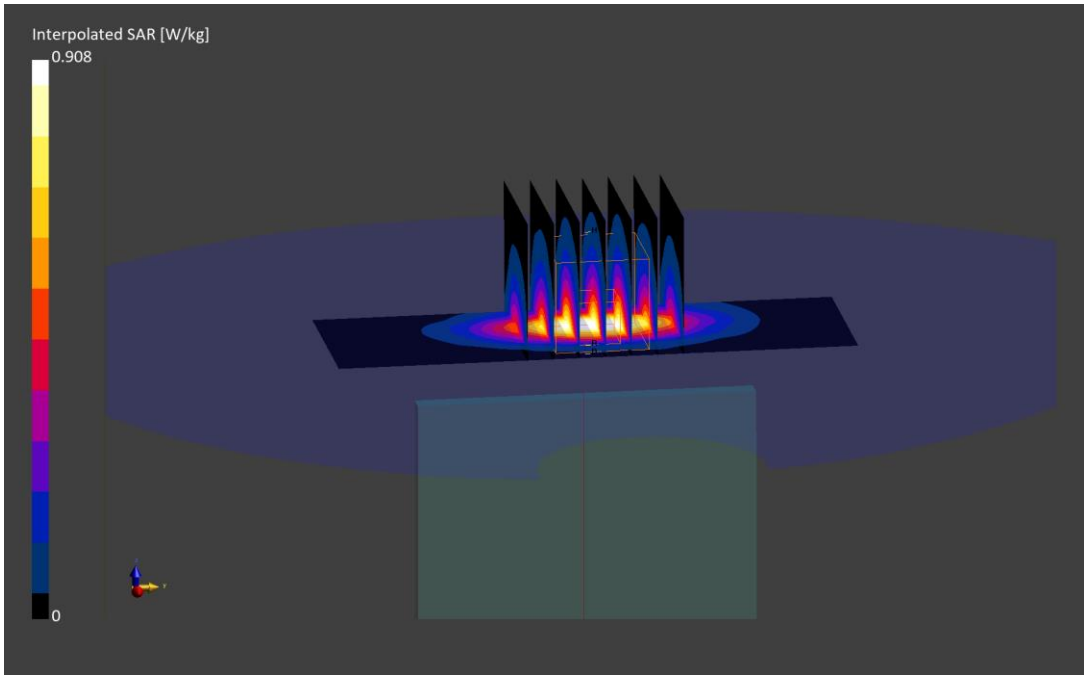
Communication System: UID:10297 - AAE, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1905.0 MHz; cond = 1.53 S/m; perm = 53.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/25/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 25, Antenna A, Body SAR , Bottom edge, High Ch, 20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.76 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.735 W/kg
Smallest distance from peaks to all points 3 dB below is 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 82.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0171M

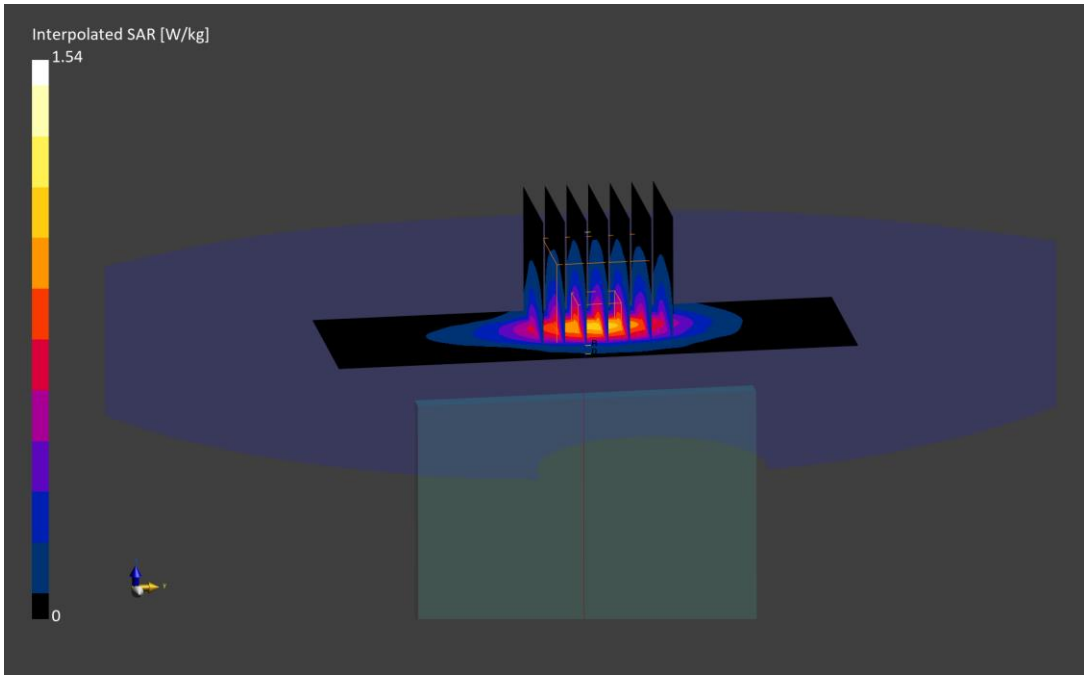
Communication System: UID:10108 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2310.0 MHz; cond = 1.82 S/m; perm = 52.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7659; ConvF:(8.91,8.91,8.91); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 30, Antenna A, Body SAR, Bottom Edge, 10 MHz Bandwidth, Mid Ch., QPSK, 50 RB, 0 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.75 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.867 W/kg
Smallest distance from peaks to all points 3 dB below is 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 86.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1559M

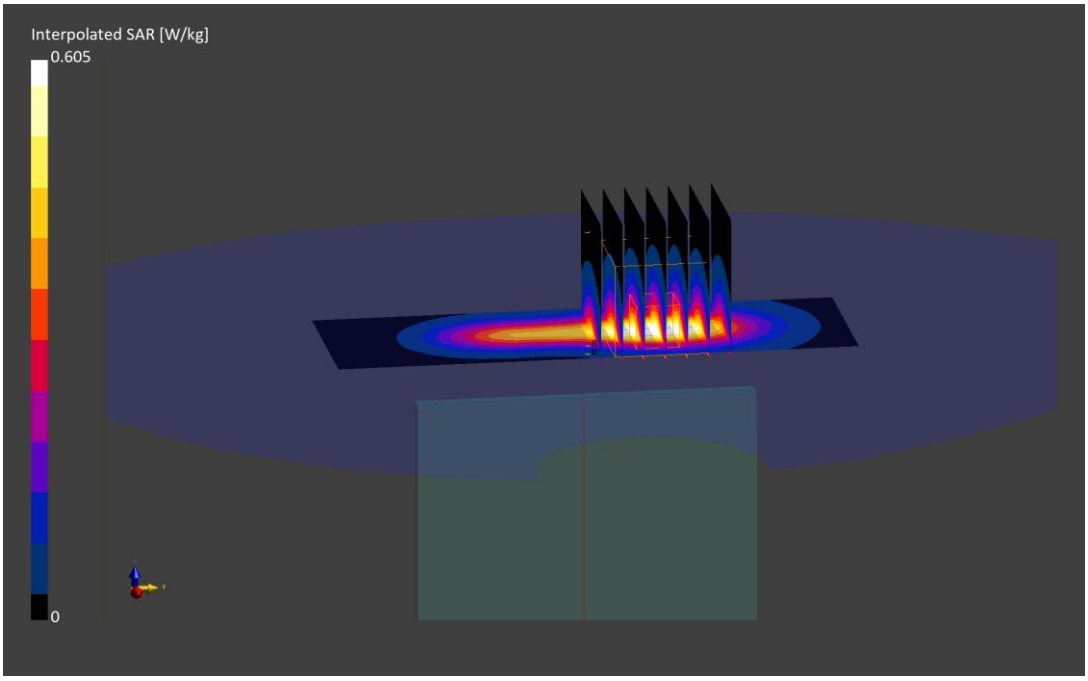
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2510.0 MHz; cond = 2.10 S/m; perm = 51.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7308; ConvF:(8.06,8.06,8.06); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2022-02-24
Phantom: Twin-SAM V8.0; Serial: 2029
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 7, Antenna F, Body SAR, Top Edge, Low Ch, 20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.54 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.946 W/kg
SAR(1 g) = 0.471 W/kg
Smallest distance from peaks to all points 3 dB below is 11.1 mm
Ratio of SAR at M2 to SAR at M1 = 79.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0193M

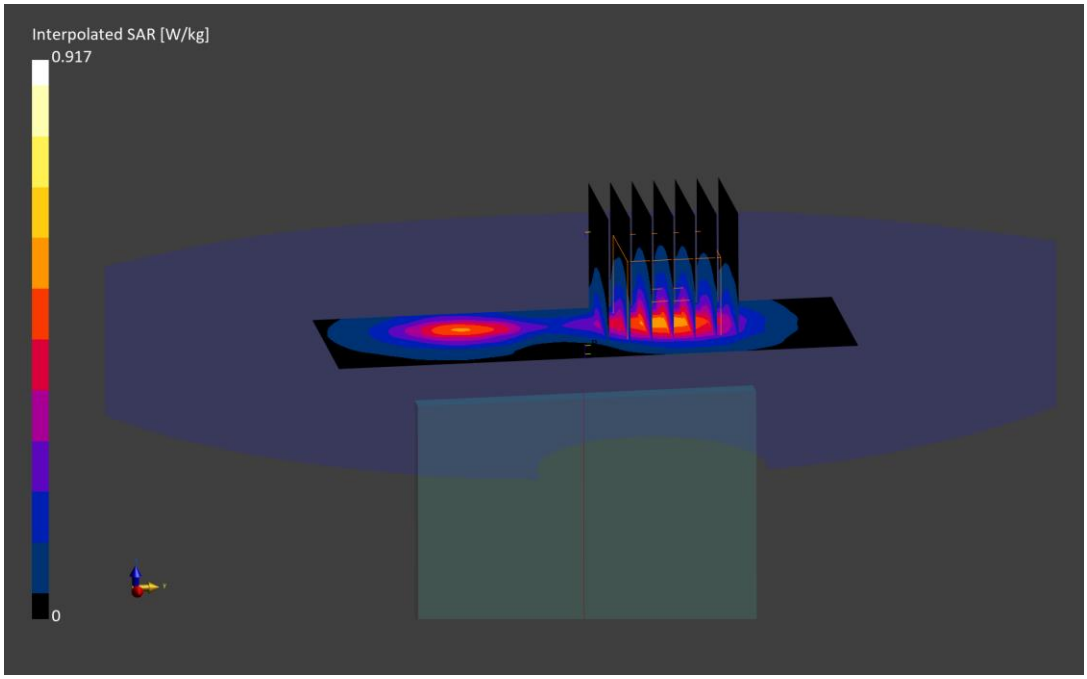
Communication System: UID:10435 - AAG, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2593.0 MHz; cond = 2.09 S/m; perm = 52.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 41, PC3, Antenna B, Body SAR, Bottom Edge, Mid Ch., 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.22 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.917 W/kg
SAR(1 g) = 0.484 W/kg
Smallest distance from peaks to all points 3 dB below is 12.4 mm
Ratio of SAR at M2 to SAR at M1 = 83.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1533M

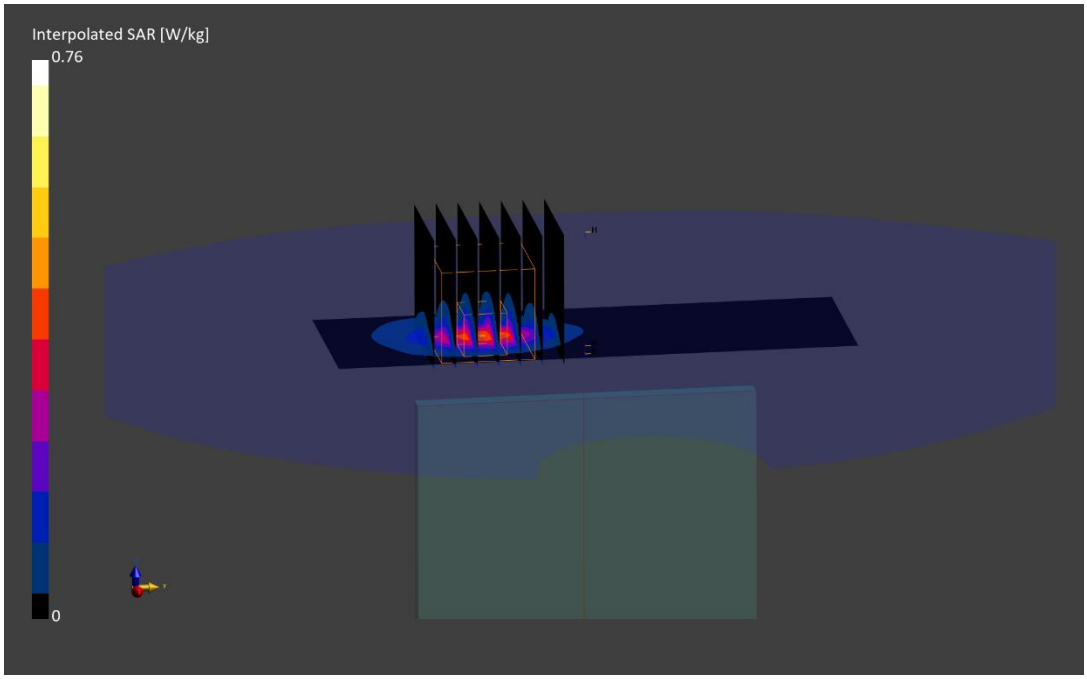
Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 3560.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3560.0 MHz; cond = 3.27 S/m; perm = 51.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/31/2022; Ambient Temp: 23.0°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7410; ConvF:(6.65,6.65,6.65); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 48, Antenna G, Body SAR, Top Edge, Low Ch., 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.23 W/kg; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.760 W/kg
SAR(1 g) = 0.262 W/kg
Smallest distance from peaks to all points 3 dB below is 8.0 mm
Ratio of SAR at M2 to SAR at M1 = 75.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0170M

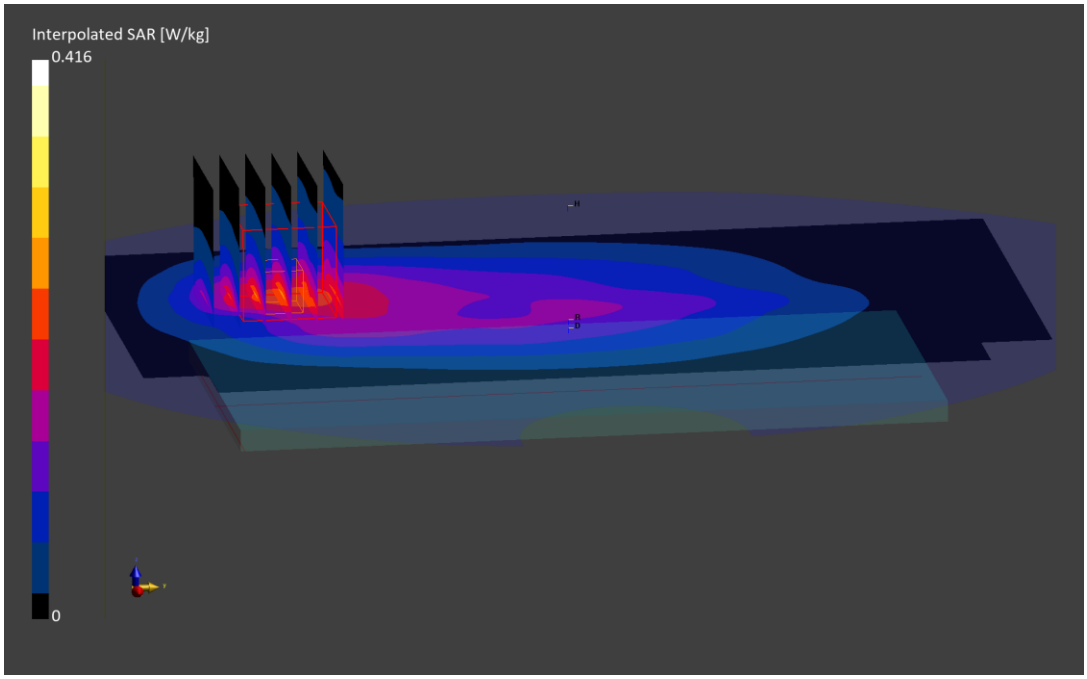
Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 680.5 MHz
Medium: 750 Body; Medium parameters used:
f = 680.5 MHz; cond = 0.911 S/m; perm = 54.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n71, Antenna A, Body SAR, Back Side, Ch. 136100, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 28 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.26 W/kg; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.224 W/kg
Smallest distance from peaks to all points 3 dB below is 14.9 mm
Ratio of SAR at M2 to SAR at M1 = 81.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0170M

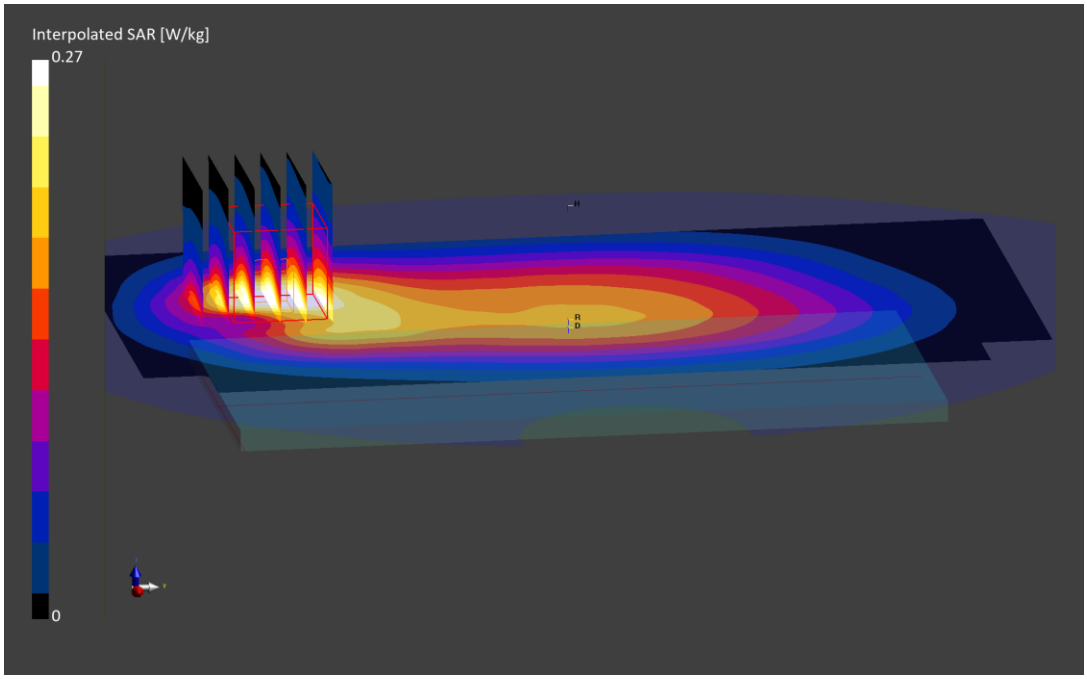
Communication System: UID:10938 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Body; Medium parameters used:
f = 707.5 MHz; cond = 0.920 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n12, Antenna A, Body SAR, Back Side, Ch. 141500, 15 MHz Bandwidth, DFT-s-OFDM QPSK, 36 RB, 22 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.30 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.478 W/kg
SAR(1 g) = 0.252 W/kg
Smallest distance from peaks to all points 3 dB below is 13.7 mm
Ratio of SAR at M2 to SAR at M1 = 79.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0170M

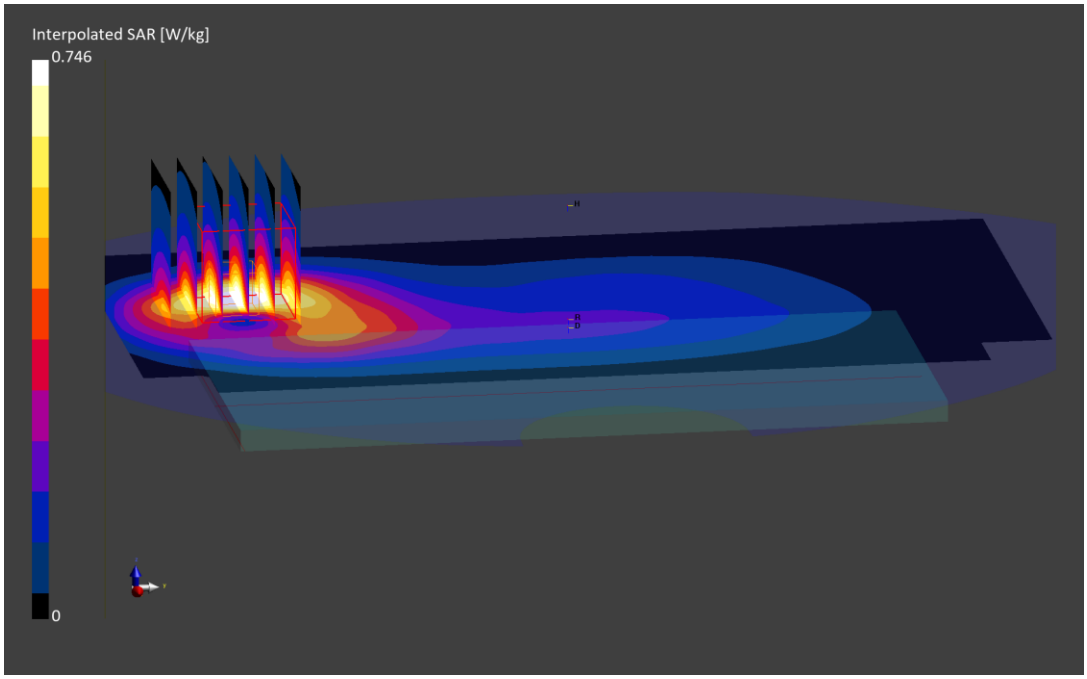
Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 831.5 MHz
Medium: 835 Body; Medium parameters used:
f = 831.5 MHz; cond = 0.963 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/19/2022; Ambient Temp: 23.4°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7660; ConvF:(10.61,10.61,10.61); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2022-05-10
Phantom: Twin-SAM V5.0; Serial: 1692rightback
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n26, Antenna A, Body SAR, Back Side, Ch. 166300, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 28 RB Offset

Area Scan (120.0 x 210.0): 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 = 0.58 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.691 W/kg
Smallest distance from peaks to all points 3 dB below is 12.0 mm
Ratio of SAR at M2 to SAR at M1 = 81.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

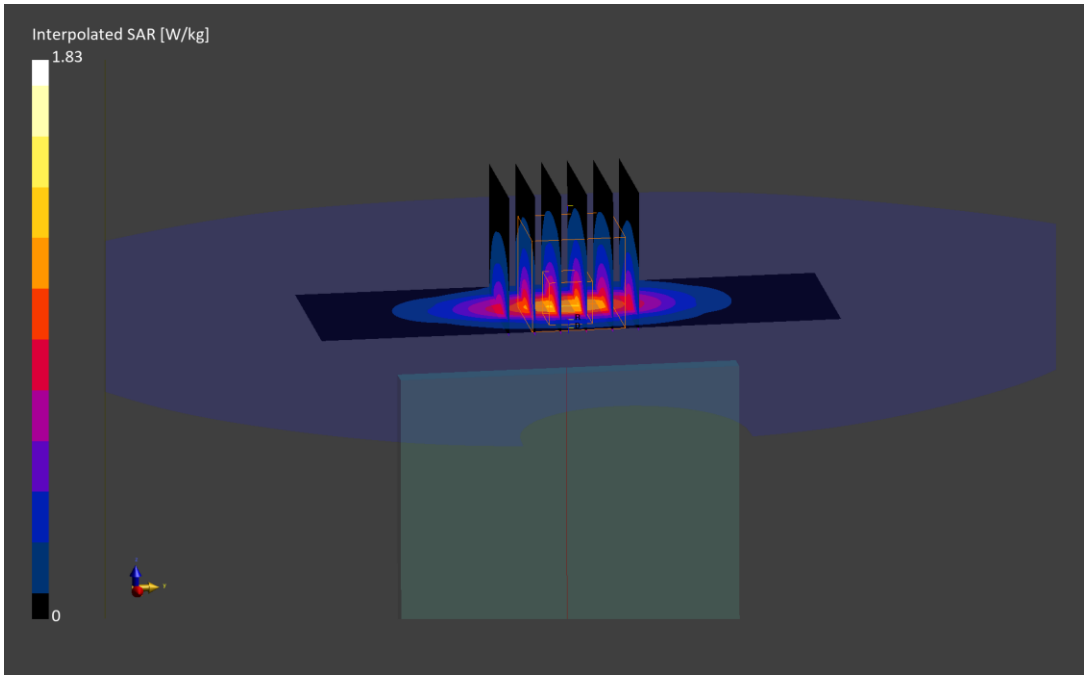
Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1745.0 MHz; cond = 1.53 S/m; perm = 51.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/22/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna A, Body SAR, Bottom Edge, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 108 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 1.08 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 1.02 W/kg
Smallest distance from peaks to all points 3 dB below is 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 83.7 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

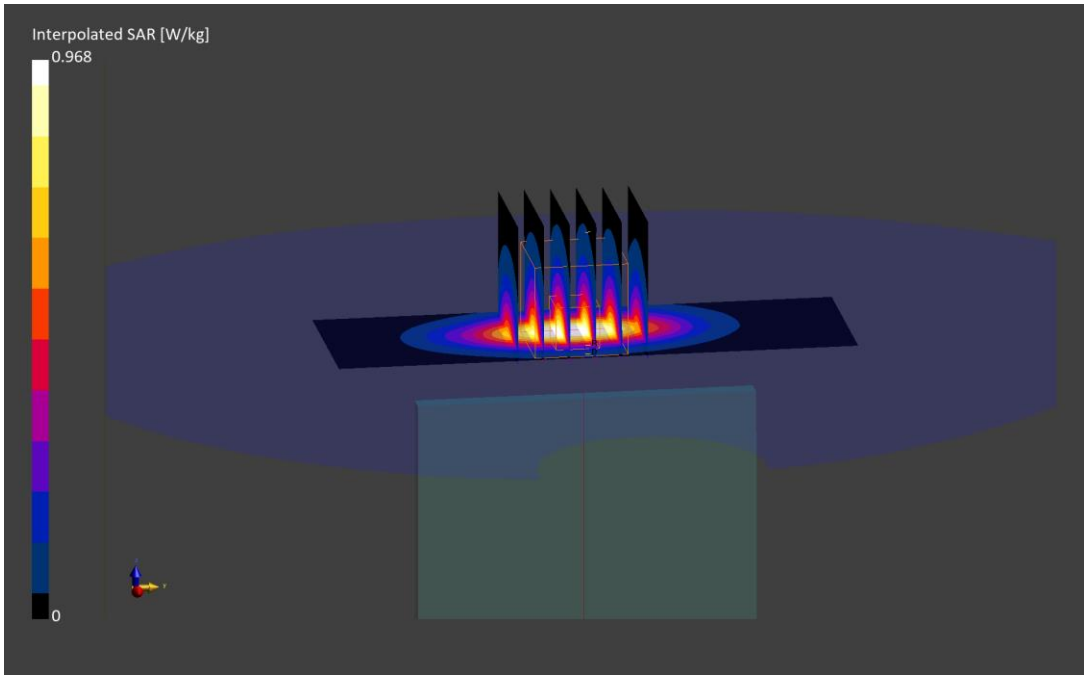
Communication System: UID:10950 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.5 MHz
Medium: 1900 Body; Medium parameters used:
f = 1882.5 MHz; cond = 1.54 S/m; perm = 50.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/12/2022; Ambient Temp: 21.7°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n25, Antenna A, Body SAR, Bottom Edge, Ch. 376500, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 216 RB, 0 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.77 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.770 W/kg
Smallest distance from peaks to all points 3 dB below is 10.3 mm
Ratio of SAR at M2 to SAR at M1 = 83.4 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

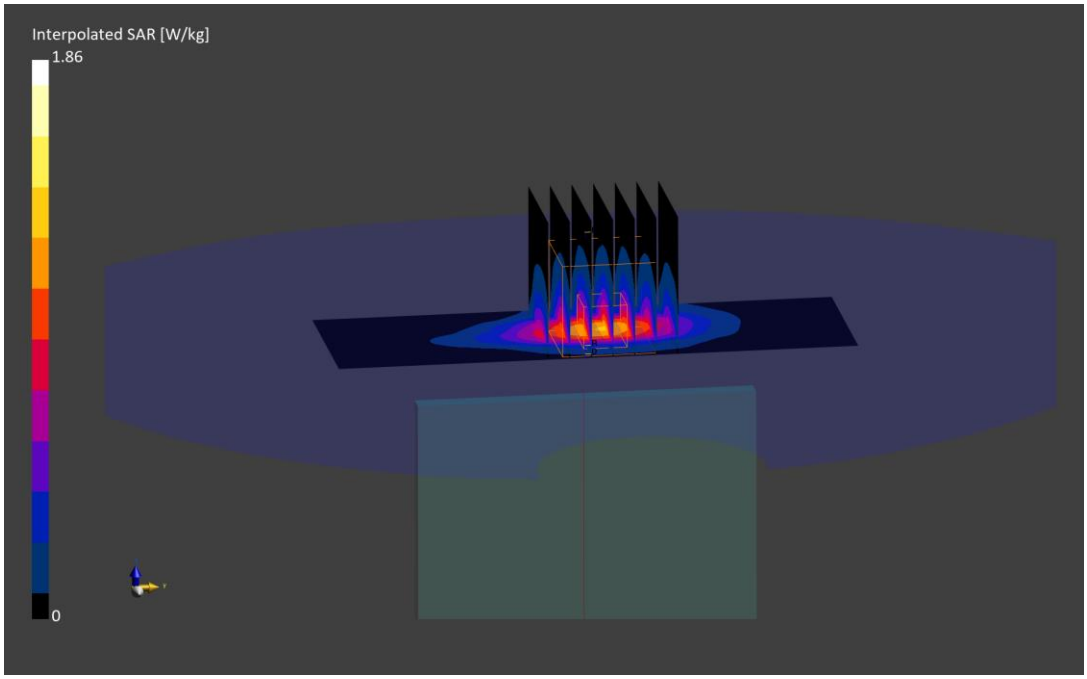
Communication System: UID:10768 - AAD, CW; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2310.0 MHz; cond = 1.84 S/m; perm = 52.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/22/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7659; ConvF:(8.91,8.91,8.91); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n30, Antenna A, Body SAR, Bottom Edge, Ch. 462000, 10 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.88 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.01 W/kg
Smallest distance from peaks to all points 3 dB below is 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 83.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

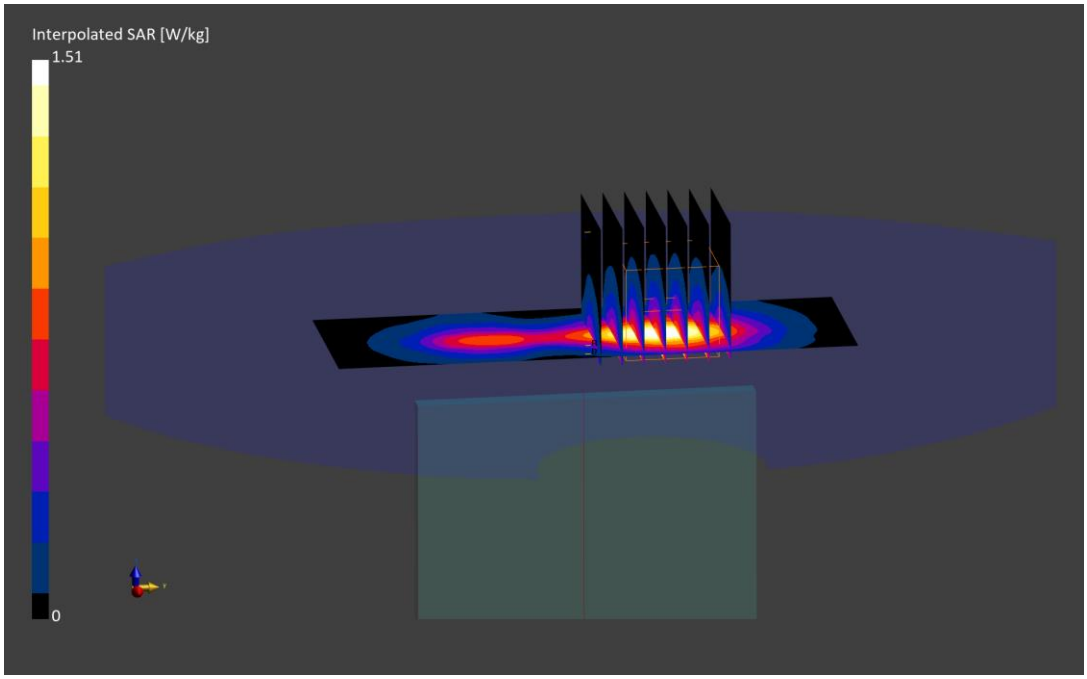
Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2535.0 MHz; cond = 2.03 S/m; perm = 52.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/26/2022; Ambient Temp: 22.0°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n7, Antenna B, Body SAR, Bottom Edge, Ch. 507000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 108 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 0.53 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.798 W/kg
Smallest distance from peaks to all points 3 dB below is 11.1 mm
Ratio of SAR at M2 to SAR at M1 = 83.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1648M

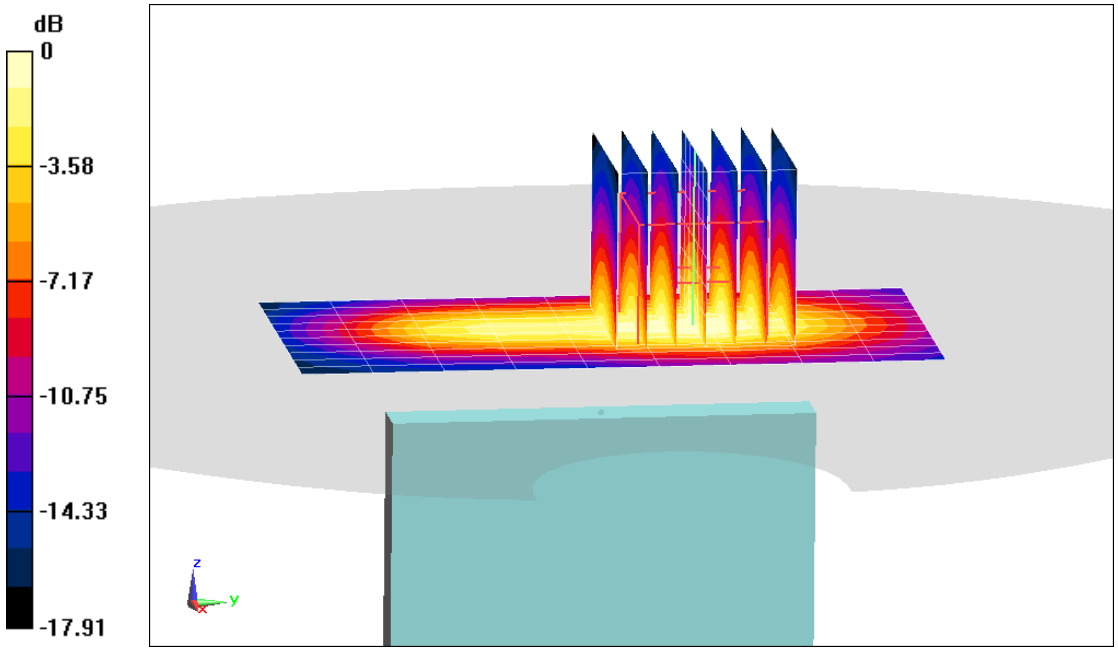
Communication System: UID 0, NR Band n41 Full DC; Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium: 2450 Body; Medium parameters used (interpolated):
f = 2592.99 MHz; σ = 2.16 S/m; ε_r = 52.482; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/24/2022; Ambient Temp: 22.1°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7491; ConvF(7.75, 7.75, 7.75) @ 2592.99 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: NR Band n41, Antenna F, Body SAR, Top Edge, 100 MHz Bandwidth, CP-OFDM QPSK, Ch. 518598, 1 RB, 1 RB Offset

Area Scan (11x10x1): Measurement grid: dx=5mm, dy=12mm
Zoom Scan 1 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.49 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.528 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%



0 dB = 0.827 W/kg = -0.82 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1611M

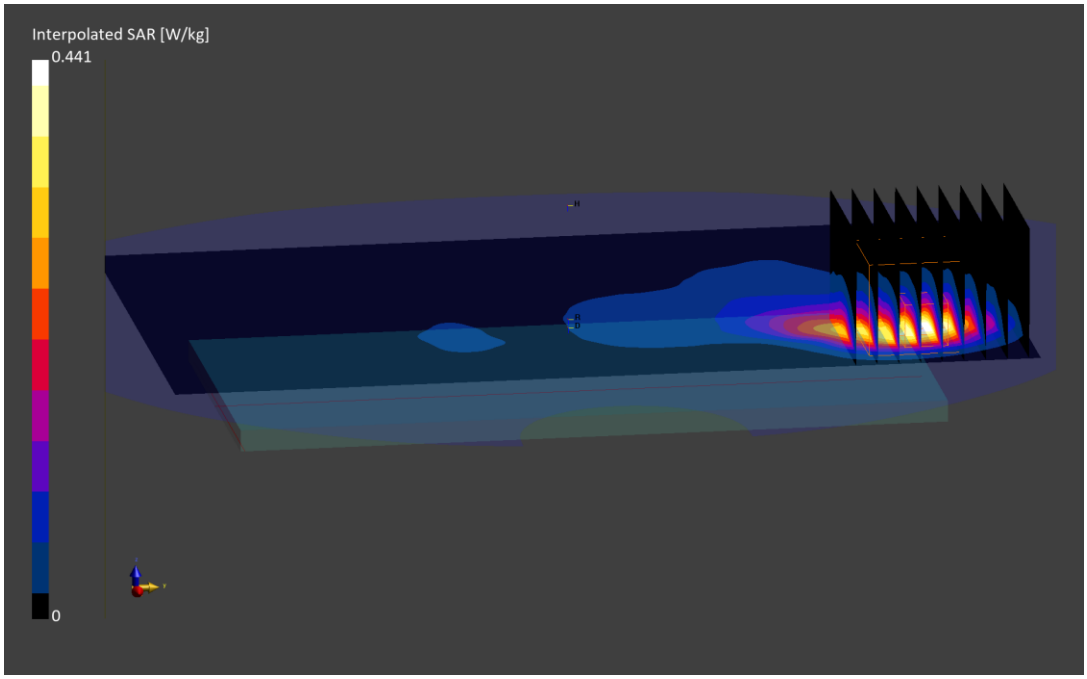
Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3570.0 MHz; Cond = 3.30 S/m; perm = 50.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.7°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3837; ConvF:(5.99,5.99,5.99); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2022-01-13
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n48, Antenna G, Body SAR, Back Side, 40 MHz Bandwidth, Ch.638000, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.27 W/kg; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.724 W/kg
SAR (1 g) = 0.315 W/kg
Smallest distance from peaks to all points 3 dB below is 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 77.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1651M

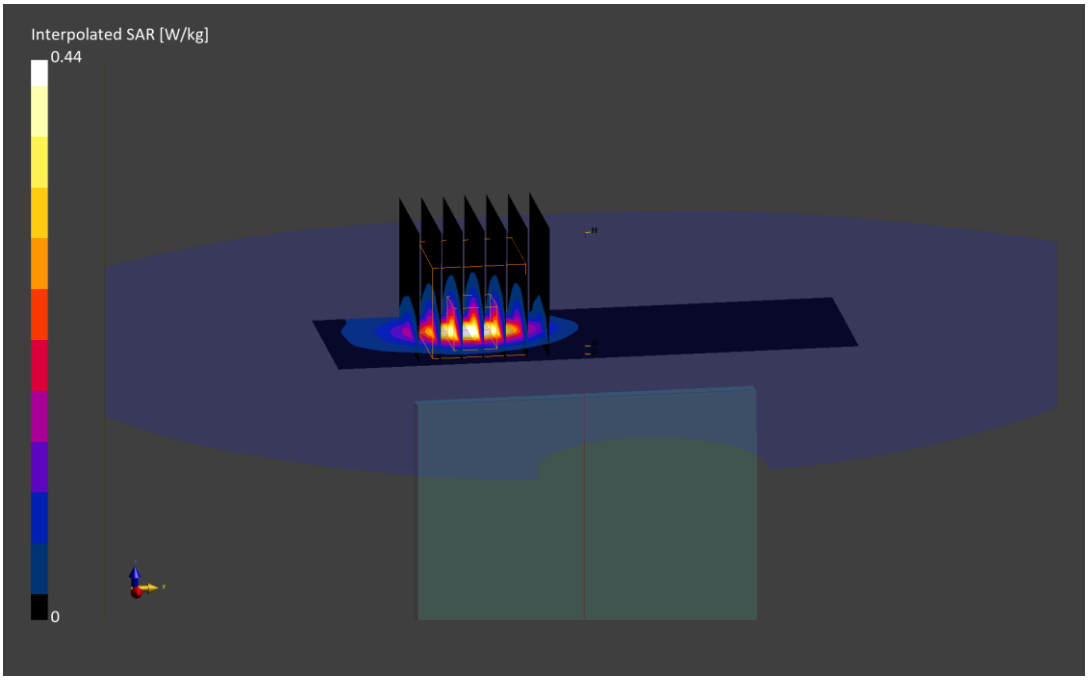
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.18 S/m; perm = 50.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/03/2022; Ambient Temp: 22.9°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7639; ConvF:(6.91,6.91,6.91); Calibrated: 2021-11-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77 DoD, Antenna G, Body SAR, Top Edge, Ch. 633334, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.24 W/kg; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.769 W/kg
SAR(1 g) = 0.312 W/kg
Smallest distance from peaks to all points 3 dB below is 8.0 mm
Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1611M

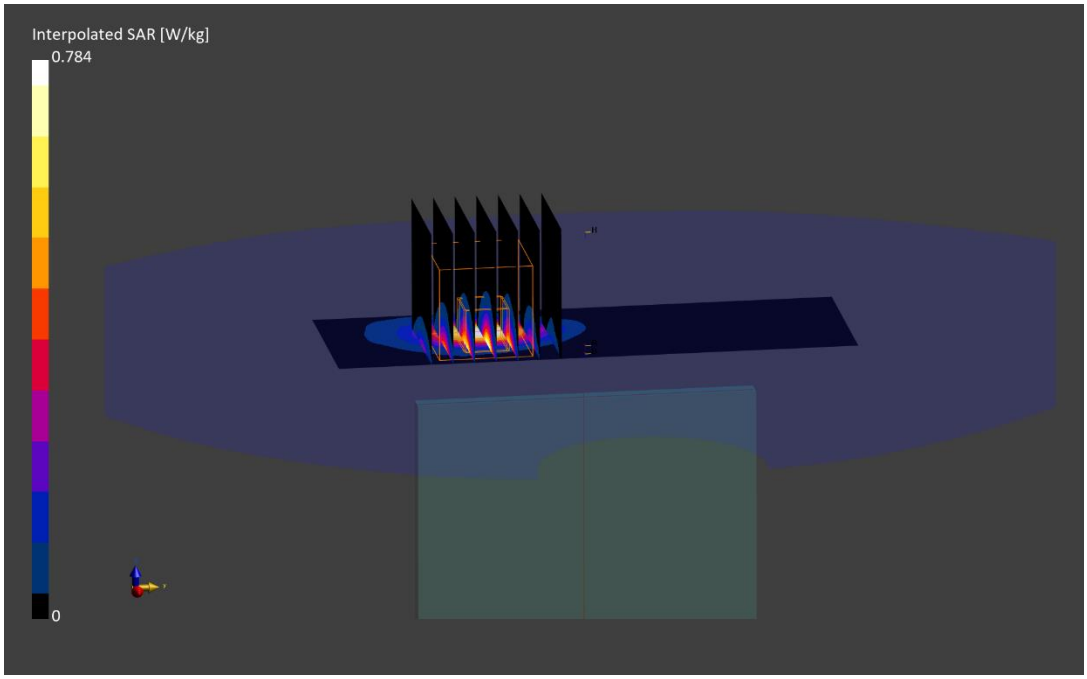
Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3750.0 MHz; Cond = 3.52 S/m; perm = 50.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.7°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3837; ConvF:(5.84,5.84,5.84); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2022-01-13
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77, Antenna G, Body SAR, Top Edge, 100 MHz Bandwidth, Ch. 650000, DFT-s-OFDM QPSK, 135 RB, 0 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.28 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.784 W/kg
SAR (1 g) = 0.302 W/kg
Smallest distance from peaks to all points 3 dB below is 7.7 mm
Ratio of SAR at M2 to SAR at M1 = 76.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1469M

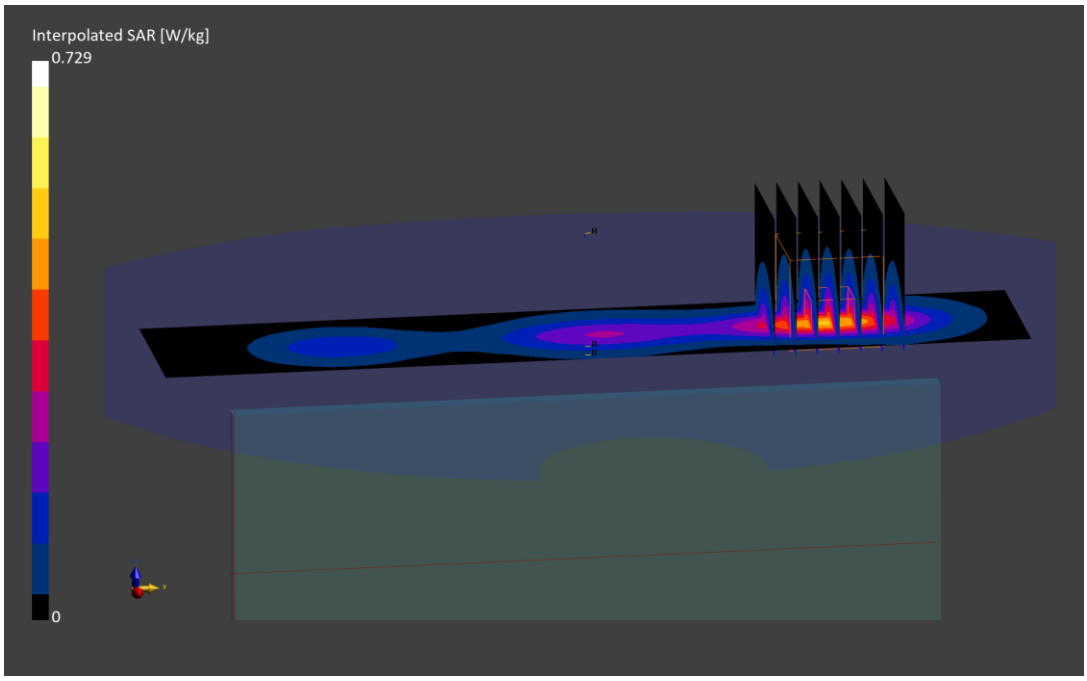
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2412.0 MHz; cond = 1.99 S/m; perm = 52.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/18/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.86,8.86,8.86); Calibrated: 2022-02-24
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO, Body SAR, Left Edge, Ch. 1, 1 Mbps

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 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 = 0.37 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.729 W/kg
SAR(1 g) = 0.375 W/kg
Smallest distance from peaks to all points 3 dB below is 9.0 mm
Ratio of SAR at M2 to SAR at M1 = 81.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1521M

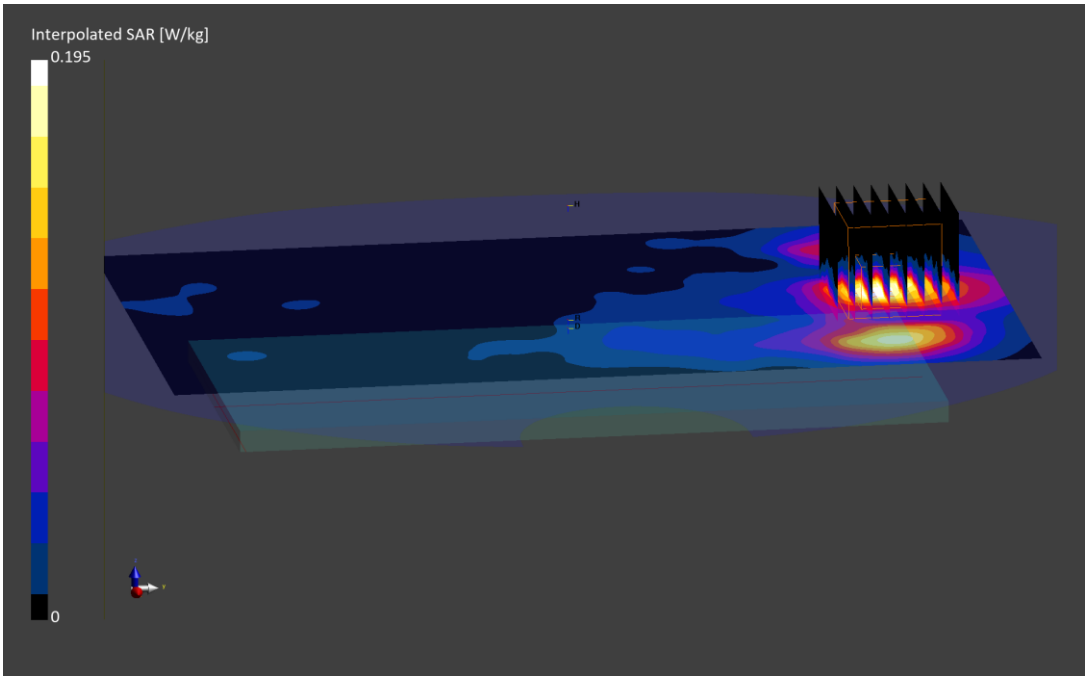
Communication System: UID:10591 - AAD, WLAN; MAIA: Y; Frequency: 5785.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5785.0 MHz; cond = 6.01 S/m; perm = 46.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7659; ConvF:(4.67,4.67,4.67); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-3, MIMO, Ch. 157, Body SAR, Back Side, 13 Mbps

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.09 W/kg; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.604 W/kg
SAR(1 g) = 0.161 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 = 60.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1521M

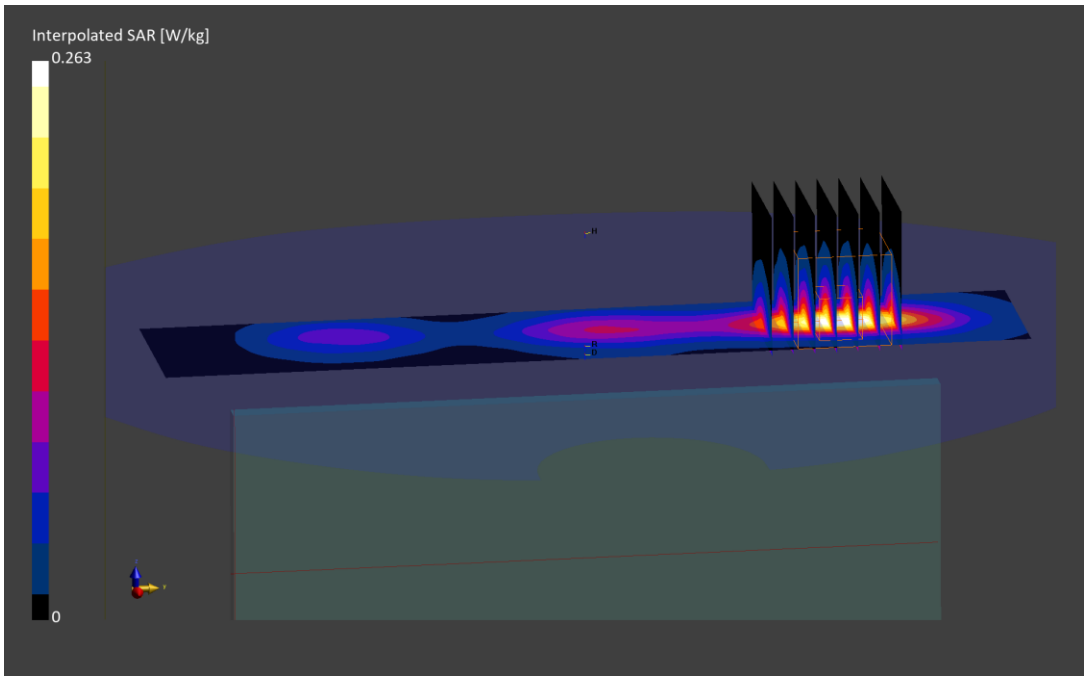
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2441.0 MHz; cond = 2.01 S/m; perm = 50.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/31/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 1, Body SAR, Ch. 39, 1Mbps, Left Edge

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 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 = 0.26 W/kg; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.442 W/kg
SAR(1 g) = 0.196 W/kg
Smallest distance from peaks to all points 3 dB below is 9.0 mm
Ratio of SAR at M2 to SAR at M1 = 72.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0164M

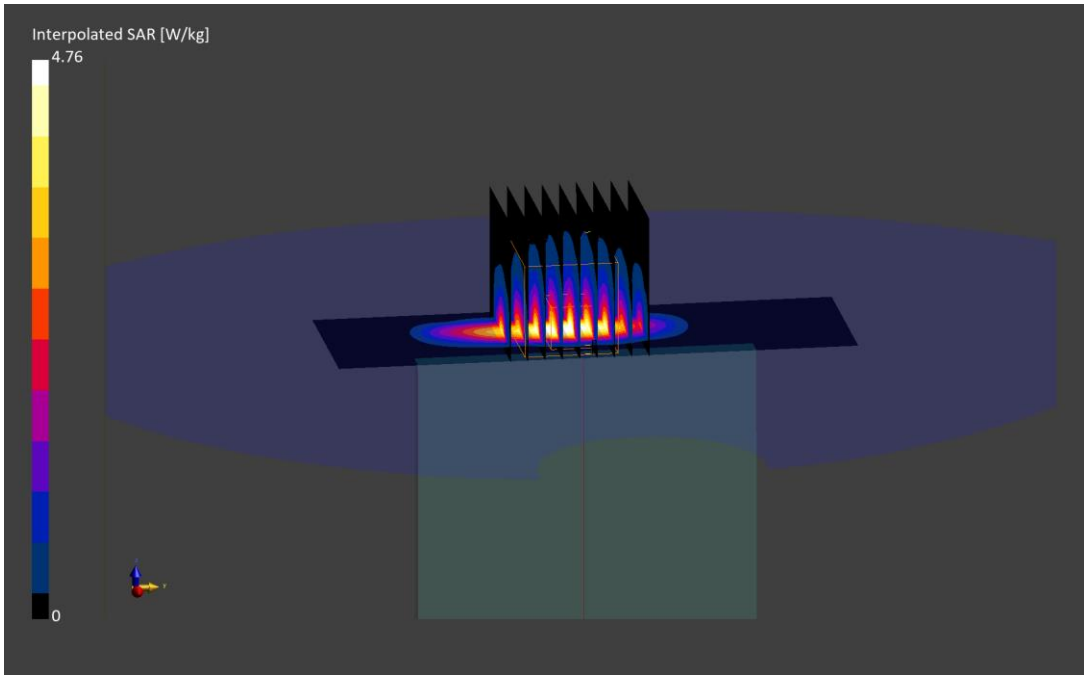
Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1880.0 MHz; cond = 1.52 S/m; perm = 51.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/21/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GPRS 1900, Antenna A, Phablet SAR, Bottom Edge, Mid Ch., 4 Tx Slots

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm
Zoom Scan (32.0 x 32.0 x 30.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 4.03 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 9.61 W/kg
SAR(10 g) = 1.71 W/kg
Smallest distance from peaks to all points 3 dB below is 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 76.2 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0172M

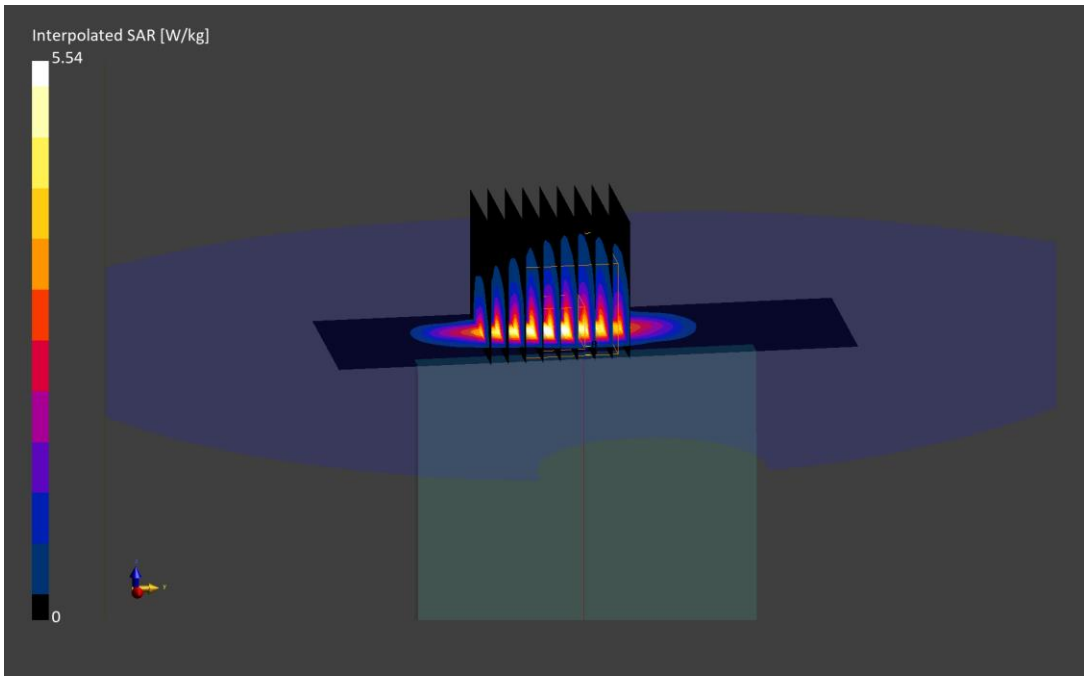
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1752.6 MHz
Medium: 1750 Body; Medium parameters used:
f = 1752.6 MHz; cond = 1.51 S/m; perm = 50.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/14/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Phablet SAR, Bottom Edge, High Ch.

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm
Zoom Scan (32.0 x 32.0 x 30.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 4.13 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 11.2 W/kg
SAR(10 g) = 1.87 W/kg
Smallest distance from peaks to all points 3 dB below is 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 68.4 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0181M

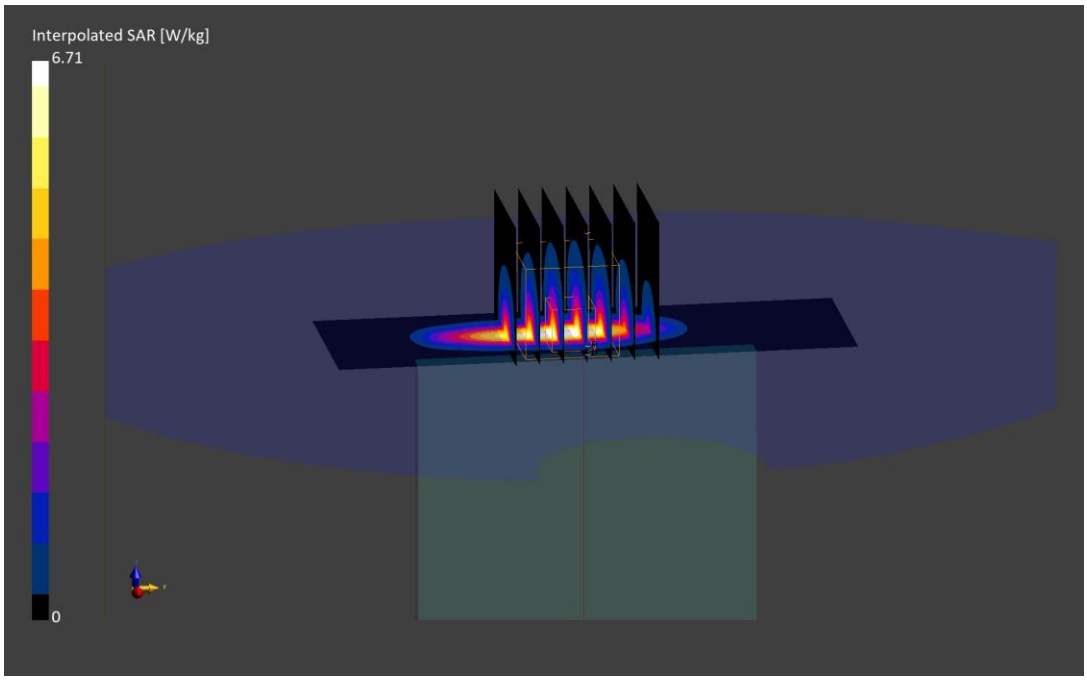
Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1880.0 MHz; cond = 1.53 S/m; perm = 51.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/19/2022; Ambient Temp: 22.3°C; Tissue Temp: 20.9 °C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, Phablet SAR, Bottom Edge, Mid Ch.

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 4.85 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 10.8 W/kg
SAR(10 g) = 2.16 W/kg
Smallest distance from peaks to all points 3 dB below is 6.6 mm
Ratio of SAR at M2 to SAR at M1 = 77.9 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0032M

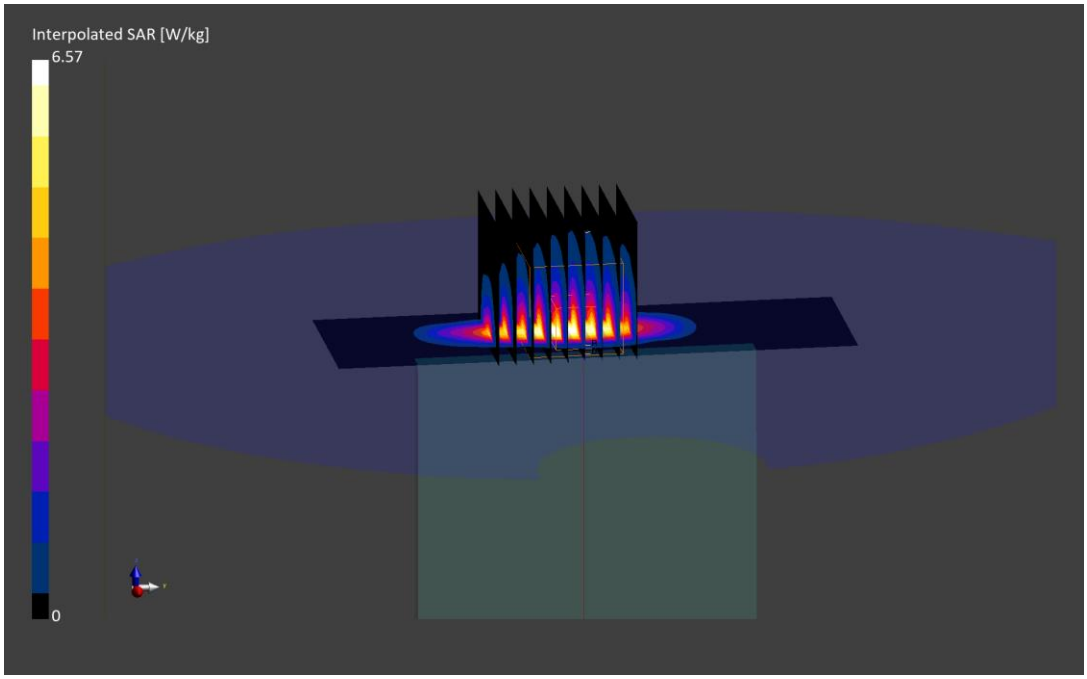
Communication System: UID:10108 - CAF, LTE-FDD; MAIA: Y; Frequency: 1715.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1715.0 MHz; cond = 1.47 S/m; perm = 51.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/18/2022; Ambient Temp: 22.6°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7570; ConvF:(8.44,8.44,8.44); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66 (AWS), Antenna A, Phablet SAR, Bottom Edge, Low Ch, 10 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm
Zoom Scan (32.0 x 32.0 x 30.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 5.34 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 12.1 W/kg
SAR(10 g) = 2.33 W/kg
Smallest distance from peaks to all points 3 dB below is 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 74.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0164M

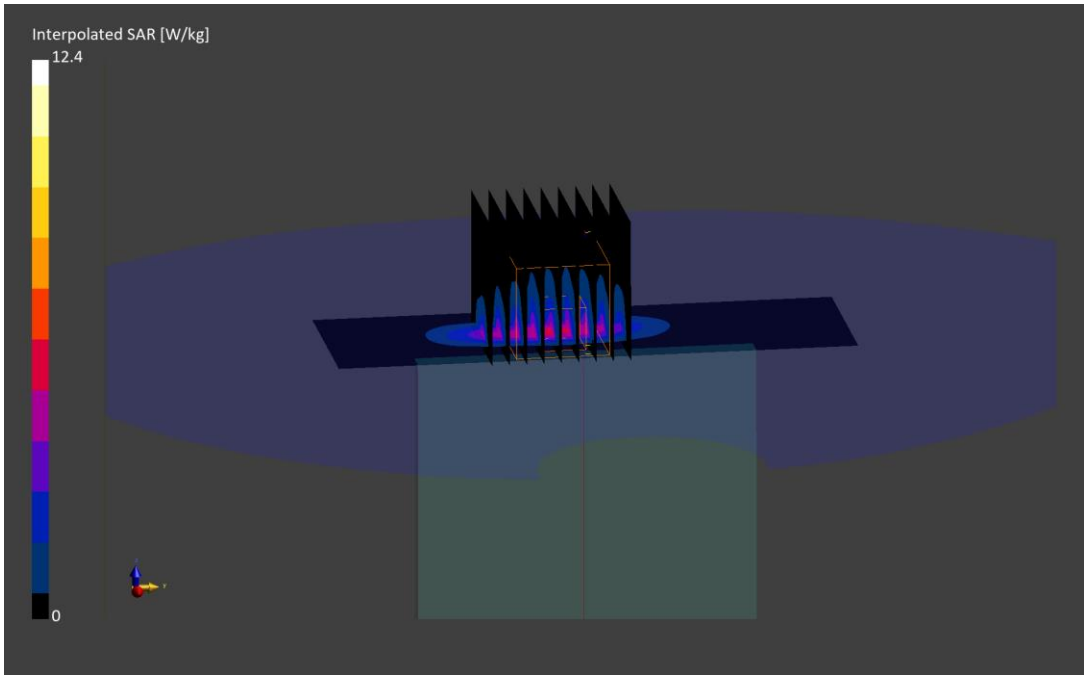
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1905.0 MHz; cond = 1.53 S/m; perm = 53.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/25/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 25, Antenna A, Phablet SAR, Bottom Edge, High Ch., 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm
Zoom Scan (32.0 x 32.0 x 30.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 4.52 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 12.4 W/kg
SAR(10 g) = 1.96 W/kg
Smallest distance from peaks to all points 3 dB below is 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 66.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0171M

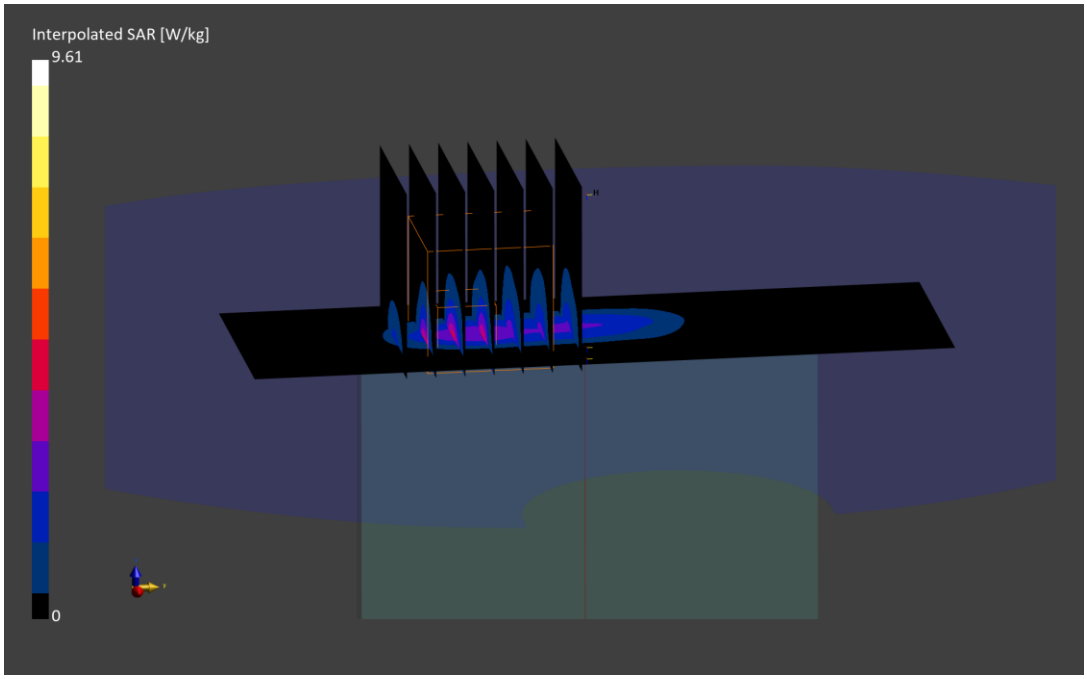
Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2310.0 MHz; cond = 1.82 S/m; perm = 52.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/19/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7659; ConvF:(8.91,8.91,8.91); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 30, Antenna A, Phablet SAR, Bottom Edge, Mid Ch., 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 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 = 2.87 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 9.61 W/kg
SAR(10 g) = 1.29 W/kg
Smallest distance from peaks to all points 3 dB below is 6.0 mm
Ratio of SAR at M2 to SAR at M1 = 73.8 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1467M

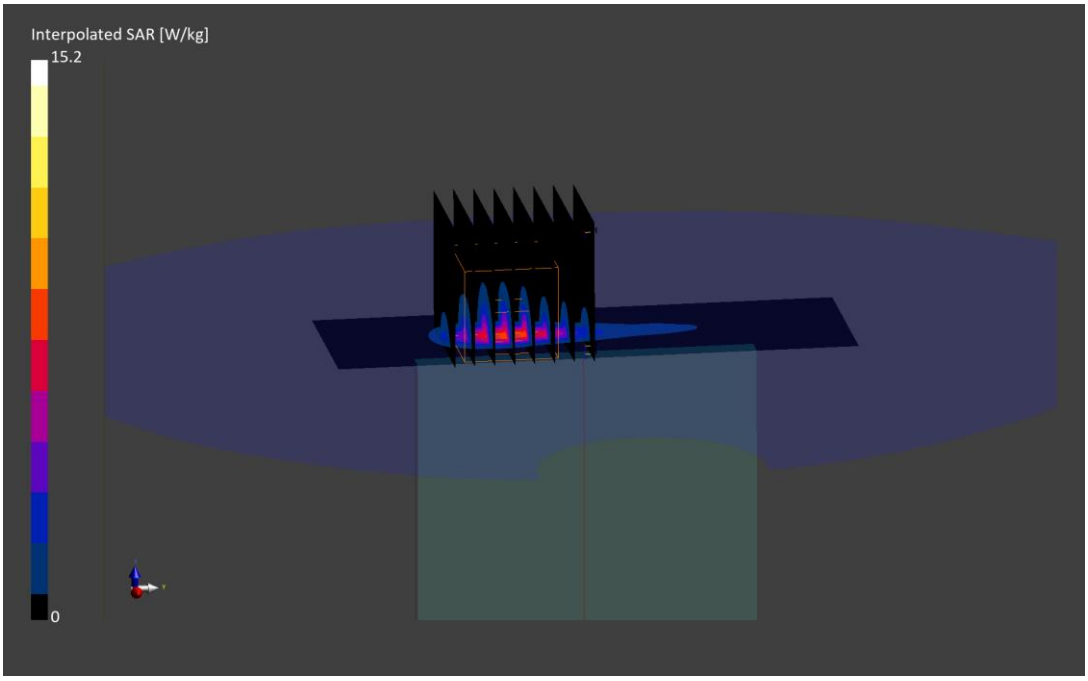
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2510.0 MHz; cond = 2.12 S/m; perm = 51.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/07/2022; Ambient Temp: 22.0°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3837; ConvF:(7.15,7.15,7.15); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2022-01-13
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 7, Antenna F, Phablet SAR, Top Edge, Low Ch., 20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.6 mm, dy=4.6 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 6.05 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 15.2 W/kg
SAR(10 g) = 2.18 W/kg
Smallest distance from peaks to all points 3 dB below is 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 75.0 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1473M

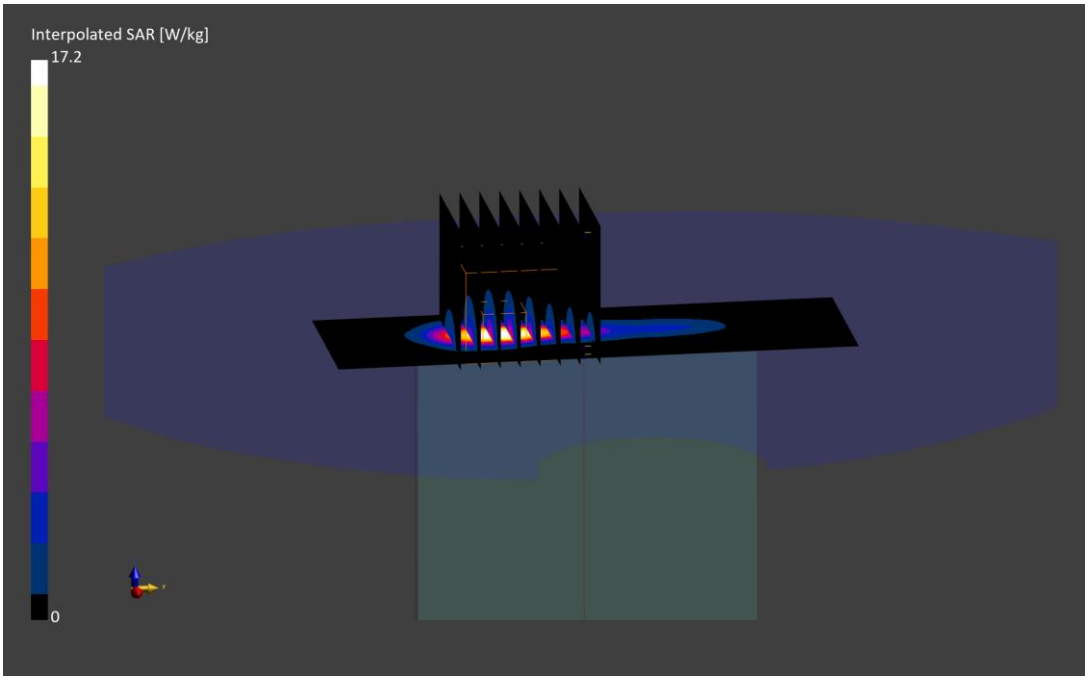
Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 2506.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2506.0 MHz; cond = 2.01 S/m; perm = 50.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/07/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7406; ConvF:(7.57,7.57,7.57); Calibrated: 2022-07-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 41, PC3, Antenna F, Phablet SAR, Top Edge, Low Ch., 20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.6 mm, dy=4.6 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 7.23 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(10 g) = 2.17 W/kg
Smallest distance from peaks to all points 3 dB below is 5.0 mm
Ratio of SAR at M2 to SAR at M1 = 74.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

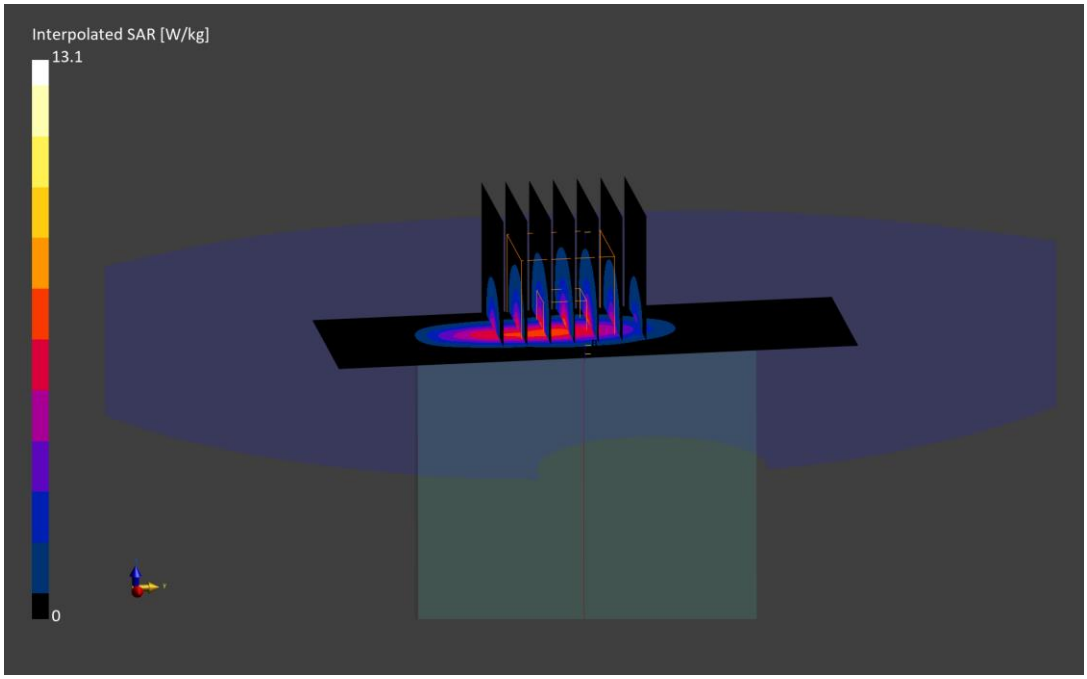
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1745.0 MHz; cond = 1.49 S/m; perm = 52.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/03/2022; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7660; ConvF:(9.22,9.22,9.22); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2022-05-10
Phantom: Twin-SAM V5.0; Serial: 1692rightback
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna A, Phablet SAR, Bottom Edge, Ch. 349000, 40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx= 5.0mm, dy= 15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 4.96 W/kg; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 13.1 W/kg
SAR(10 g) = 2.73 W/kg
Smallest distance from peaks to all points 3 dB below is 6.6 mm
Ratio of SAR at M2 to SAR at M1 = 78.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

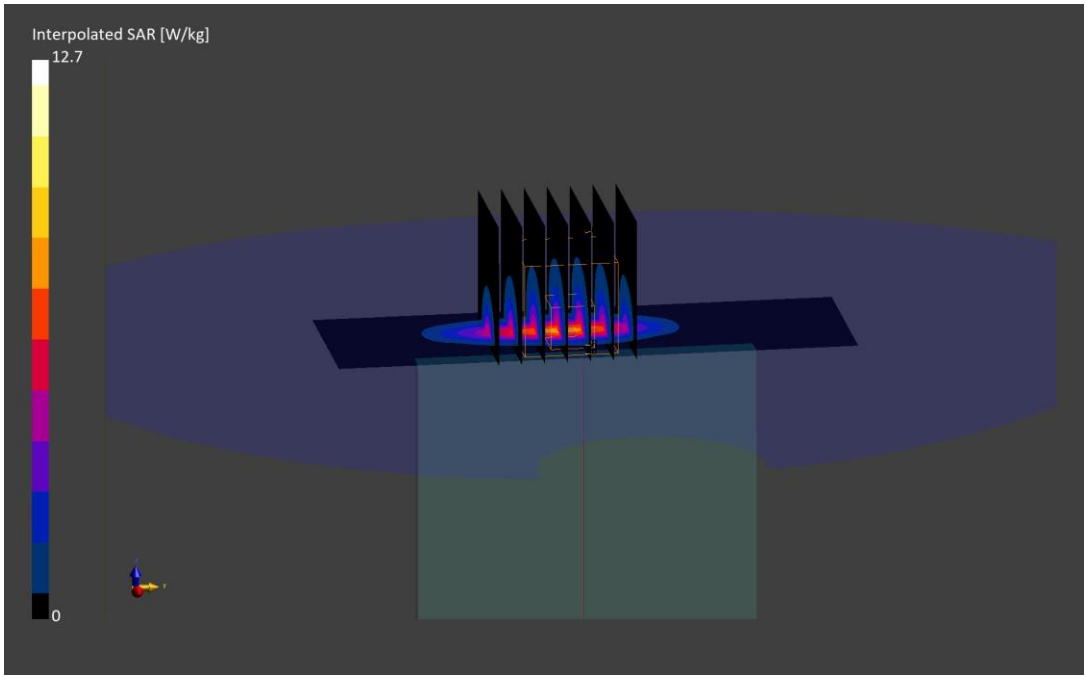
Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.5 MHz
Medium: 1900 Body; Medium parameters used:
f = 1882.5 MHz; cond = 1.55 S/m; perm = 51.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/14/2022; Ambient Temp: 21.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n25, Antenna A, Phablet SAR, Bottom Edge, Ch. 376500, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 108 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm
Zoom Scan (31.9 x 31.9 x 30.0): Measurement grid: dx=5.31 mm, dy=5.31 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 5.60 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 12.7 W/kg
SAR(10 g) = 2.51 W/kg
Smallest distance from peaks to all points 3 dB below is 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 78.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0028M

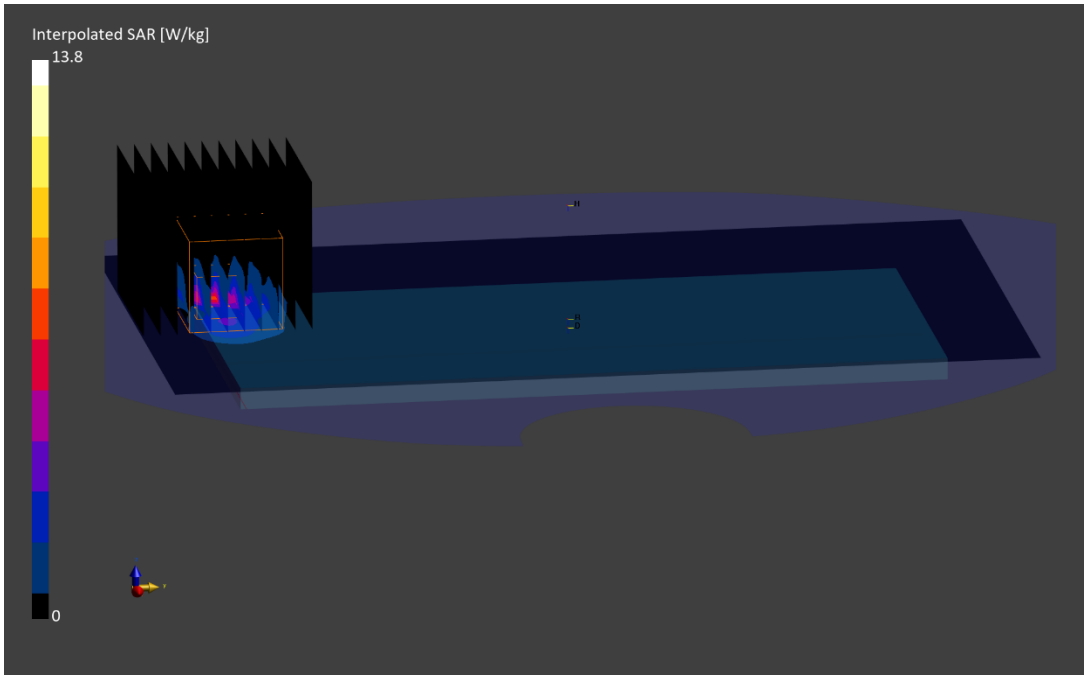
Communication System: UID:10929 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2310.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2310.0 MHz; cond = 1.82 S/m; perm = 52.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/26/2022; Ambient Temp: 22.0°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7659; ConvF:(8.91,8.91,8.91); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n30, Antenna A, Phablet SAR, Back Side, Ch. 462000, 10 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 26 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.9 mm, dy=3.9 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.00 W/kg; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(10 g) = 1.70 W/kg
Smallest distance from peaks to all points 3 dB below is 4.6 mm
Ratio of SAR at M2 to SAR at M1 = 75.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1673M

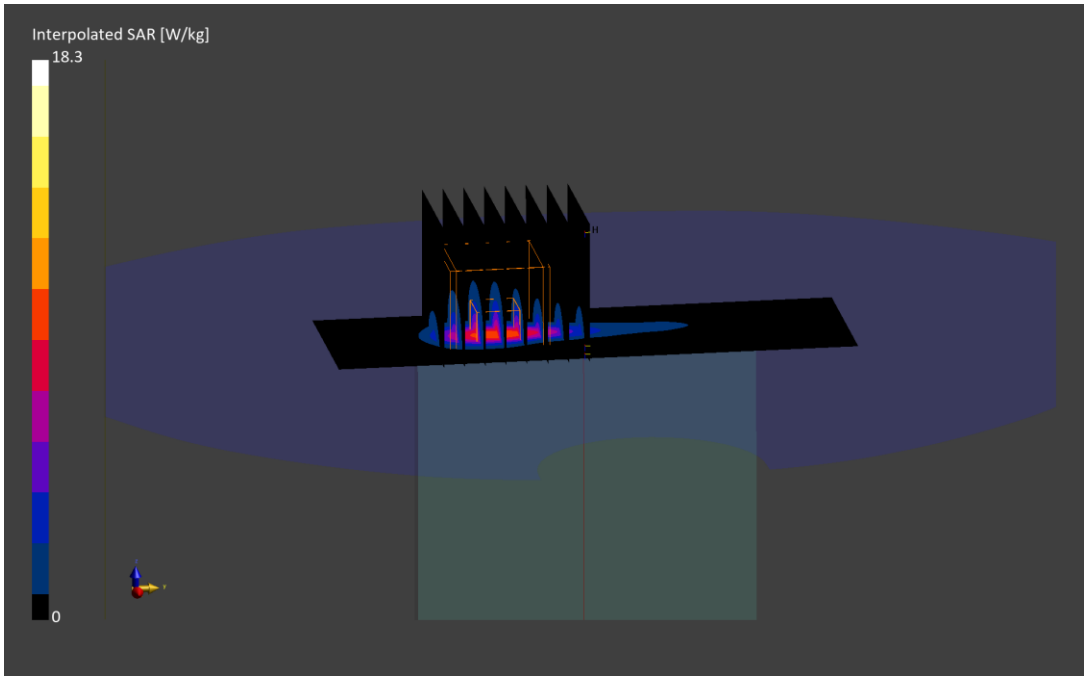
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 2535.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2535.0 MHz; cond = 2.15 S/m; perm = 51.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/24/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7417; ConvF:(7.4,7.4,7.4); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n7, Antenna F, Phablet SAR, Top Edge, Ch. 507000, 40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.8 mm, dy=4.8 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 7.68 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(10 g) = 2.67 W/kg
Smallest distance from peaks to all points 3 dB below is 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 75.6 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1648M

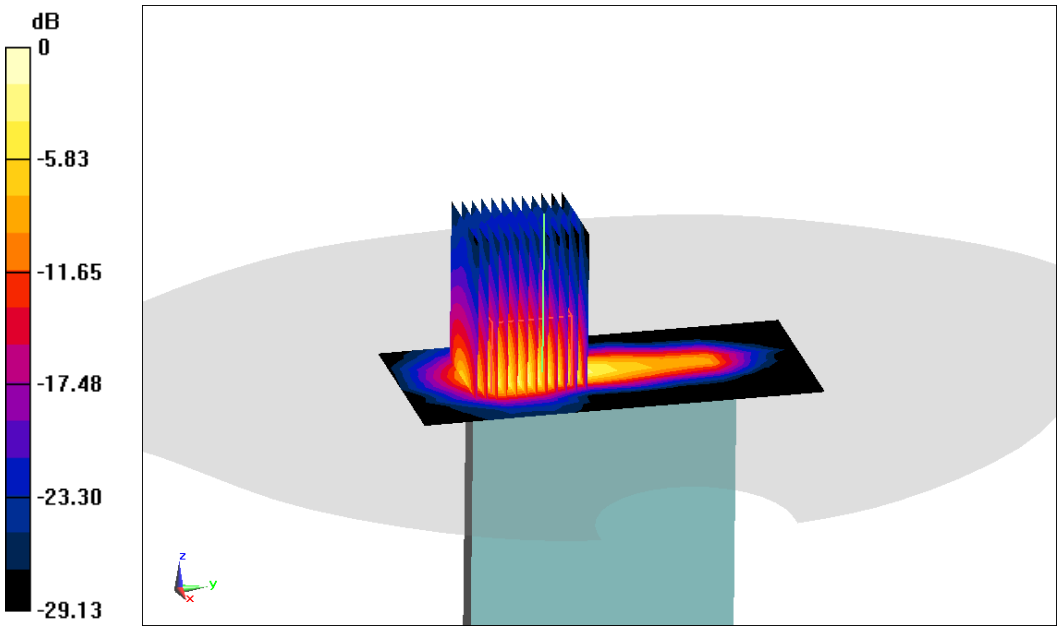
Communication System: UID 0, NR Band n41 Full DC; Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium: 2450 Body; Medium parameters used (interpolated):
f = 2592.99 MHz; σ = 2.16 S/m; ε_r = 52.482; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 10/24/2022; Ambient Temp: 22.1°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7491; ConvF(7.75, 7.75, 7.75) @ 2592.99 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: NR Band n41, Antenna F, Phablet SAR, Top Edge, 100 MHz Bandwidth, CP-OFDM QPSK, Ch. 518598, 1 RB, 1 RB Offset

Area Scan (11x10x1): Measurement grid: dx=5mm, dy=12mm
Zoom Scan 1 2 (12x12x8)/Cube 0: Measurement grid: dx=2.7mm, dy=2.7mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 55.49 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 15.3 W/kg
SAR(10 g) = 2.08 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 75.9%



0 dB = 9.81 W/kg = 9.92 dBW/kg

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1651M

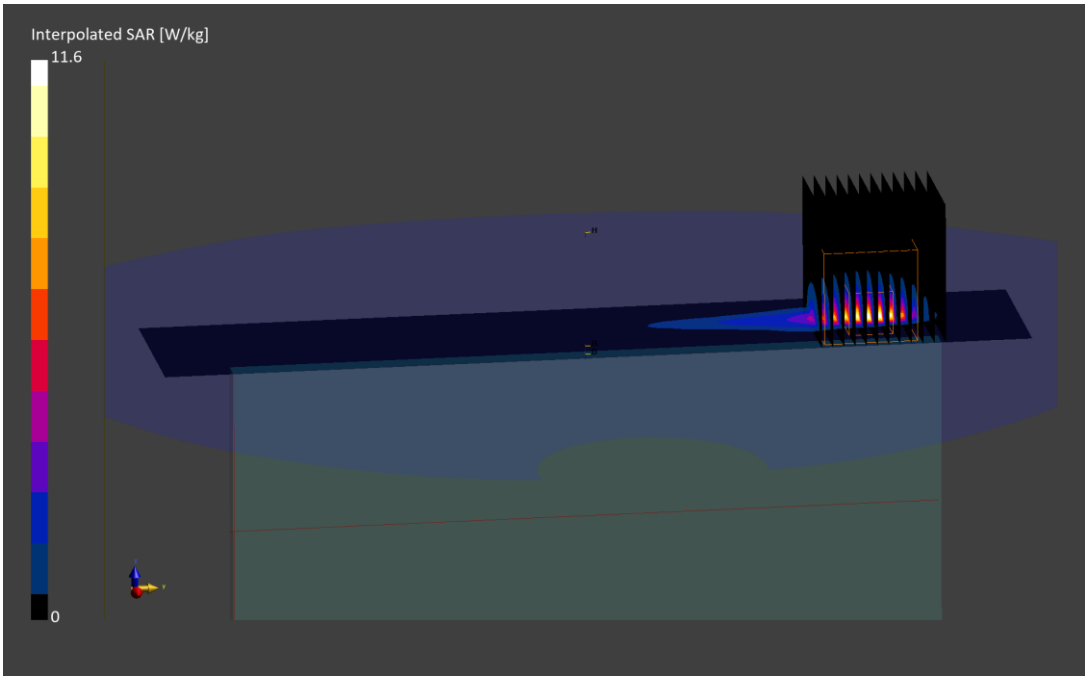
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.16 S/m; perm = 49.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/07/2022; Ambient Temp: 21.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.87,5.87,5.87); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77 DoD, Antenna G, Phablet SAR, Left Edge, Ch. 633334, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2
Reference Value = 6.36 W/kg; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 27.2 W/kg
SAR(10 g) = 1.76 W/kg
Smallest distance from peaks to all points 3 dB below is 4.0 mm
Ratio of SAR at M2 to SAR at M1 = 70.5 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial:1651M

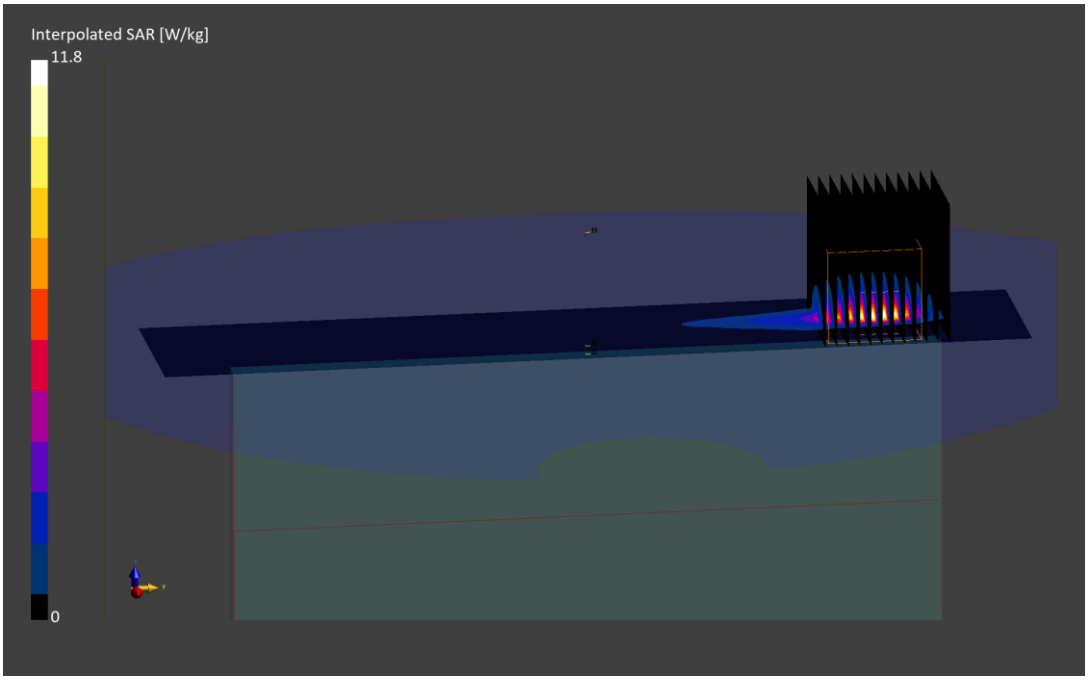
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3750.0 MHz; cond = 3.46 S/m; perm = 49.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/03/2022; Ambient Temp: 21.8°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7427; ConvF:(5.83,5.83,5.83); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77, Antenna G, Phablet SAR, Left Edge, Ch. 650000, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2
Reference Value = 6.32 W/kg; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 29.1 W/kg
SAR(10 g) = 1.75 W/kg
Smallest distance from peaks to all points 3 dB below is 3.7 mm
Ratio of SAR at M2 to SAR at M1 = 69.3 %



ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 1521M

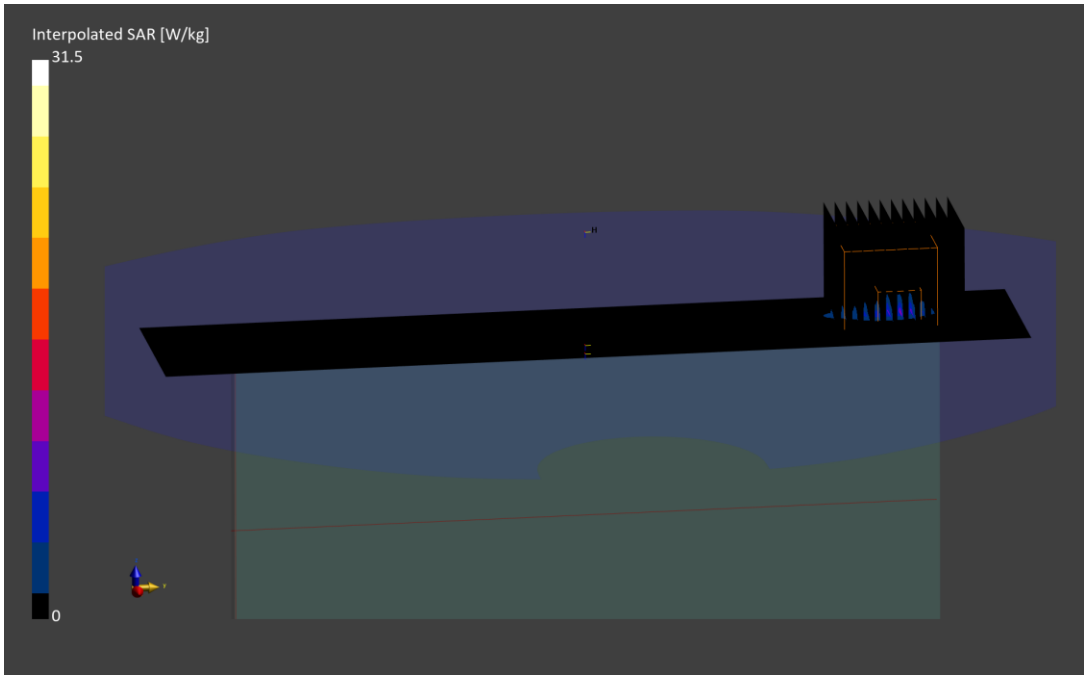
Communication System: UID:10591 - AAD, WLAN; MAIA: Y; Frequency: 5300.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5300.0 MHz; cond = 5.32 S/m; perm = 47.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7659; ConvF:(5.21,5.21,5.21); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-2A, MIMO, Ch. 60, Phablet SAR, Left Edge, 13 Mbps

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2
Reference Value = 3.23 W/kg; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 31.5 W/kg
SAR(10 g) = 1.20 W/kg
Smallest distance from peaks to all points 3 dB below is 3.7 mm
Ratio of SAR at M2 to SAR at M1 = 72.5 %



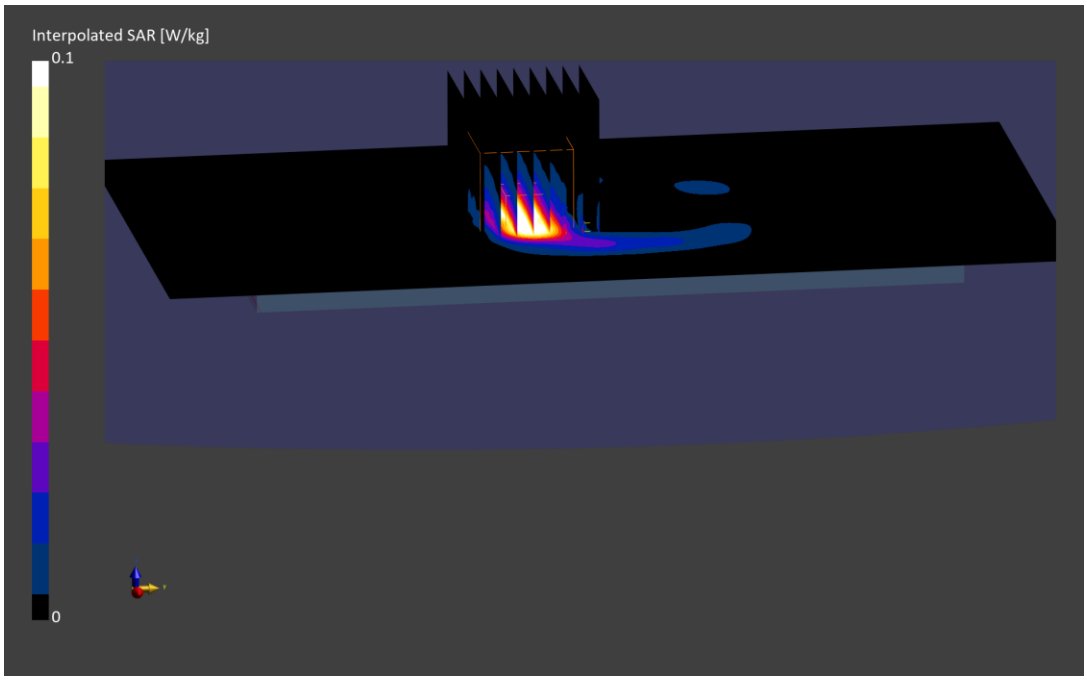
ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0363M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz
Medium: 30 Head; Medium parameters used:
f = 13.6 MHz; cond = 0.745 S/m; perm = 53.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/10/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7527; ConvF:(17.78,17.78,17.78); Calibrated: 2022-03-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2022-03-16
Phantom: ELI V8.0; Serial: 2077
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NFC, Phablet SAR, Back Side

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.00 W/kg; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.372 W/kg
SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below is 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 59.3 %