APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26639

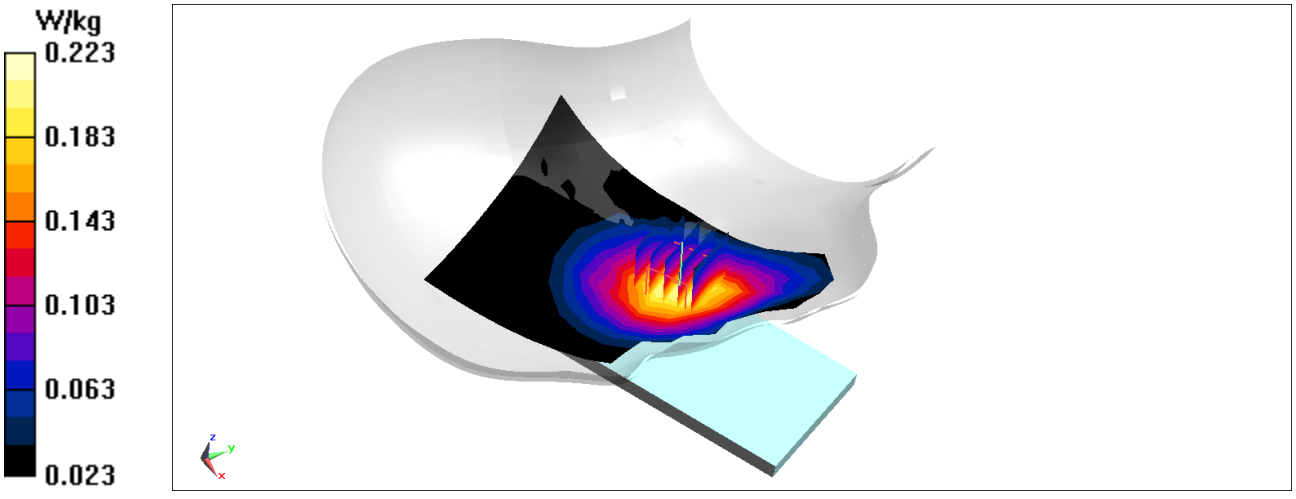
Communication System: UID 0, GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.905 S/m; ε_r = 40.526; ρ = 1000 kg/m^3
Phantom section: Right Section;

Test Date: 06/28/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 836.6 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: GSM 850, Antenna A, Right 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 = 14.66 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.242 W/kg
SAR(1 g) = 0.190 W/kg
Smallest distance from peaks to all points 3 dB below = 22.2 mm
Ratio of SAR at M2 to SAR at M1 = 79.8%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

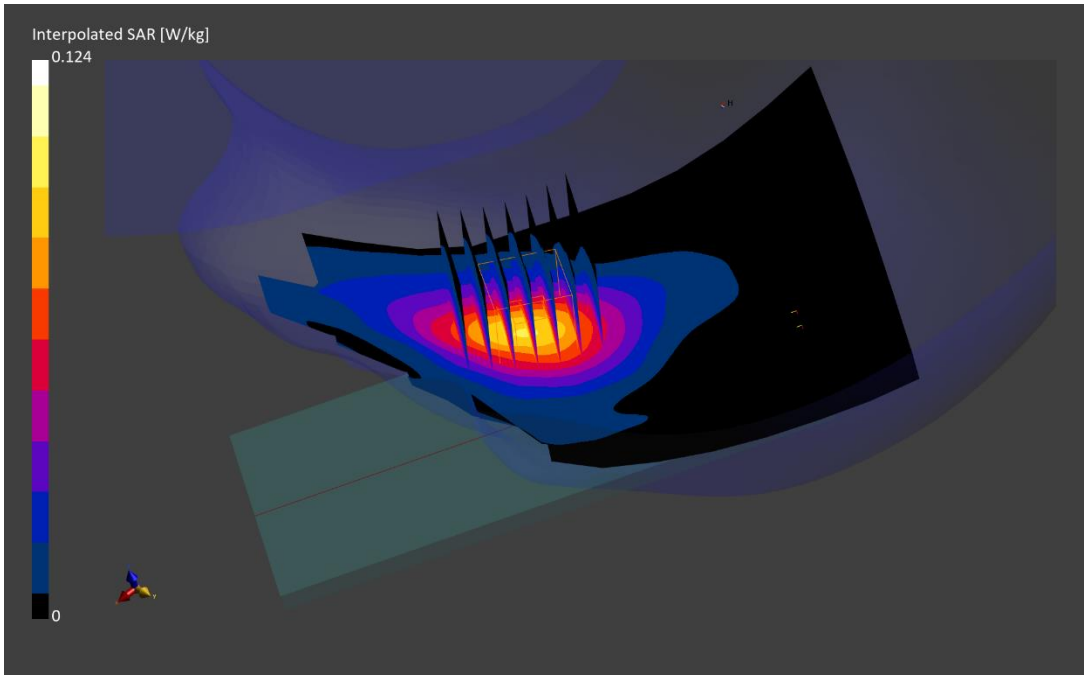
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1880.0 MHz; cond = 1.38 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna A, Left Head, Cheek, Mid 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 = 0.09 W/kg; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.124 W/kg
SAR(1 g) = 0.082 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 = 87.7 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26977

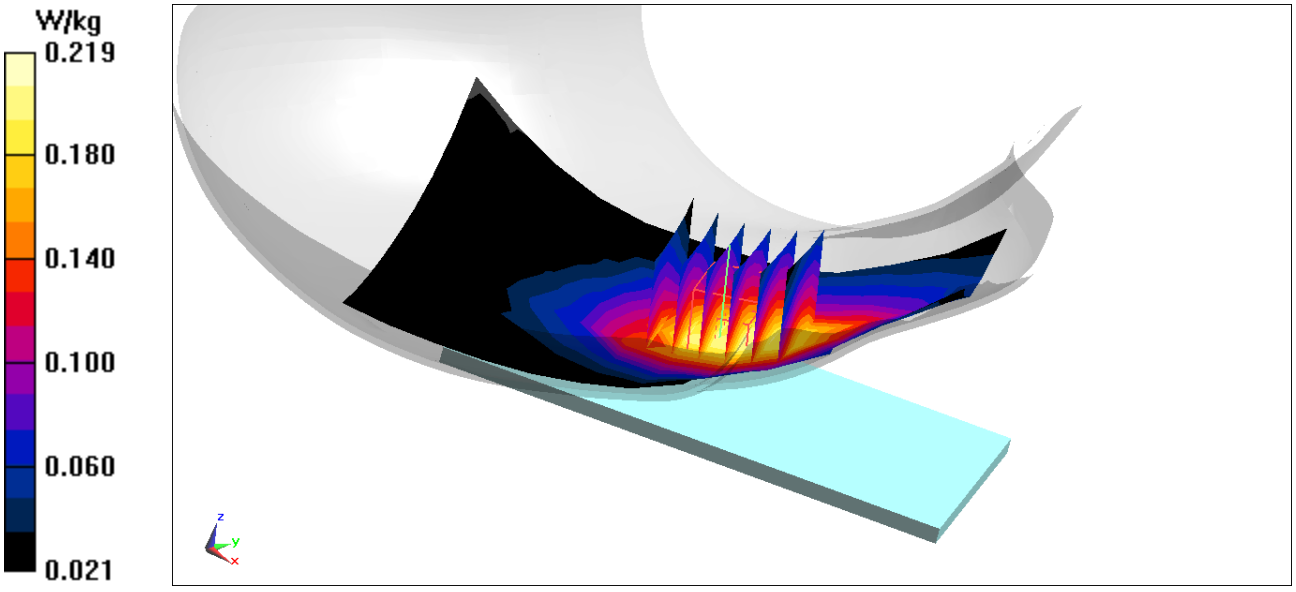
Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.868 S/m; ε_r = 42.994; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 06/27/2023; Ambient Temp: 22.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 836.6 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; 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, Right Head, Cheek, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.90 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.190 W/kg
Smallest distance from peaks to all points 3 dB below = 22.1 mm
Ratio of SAR at M2 to SAR at M1 = 80.9%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

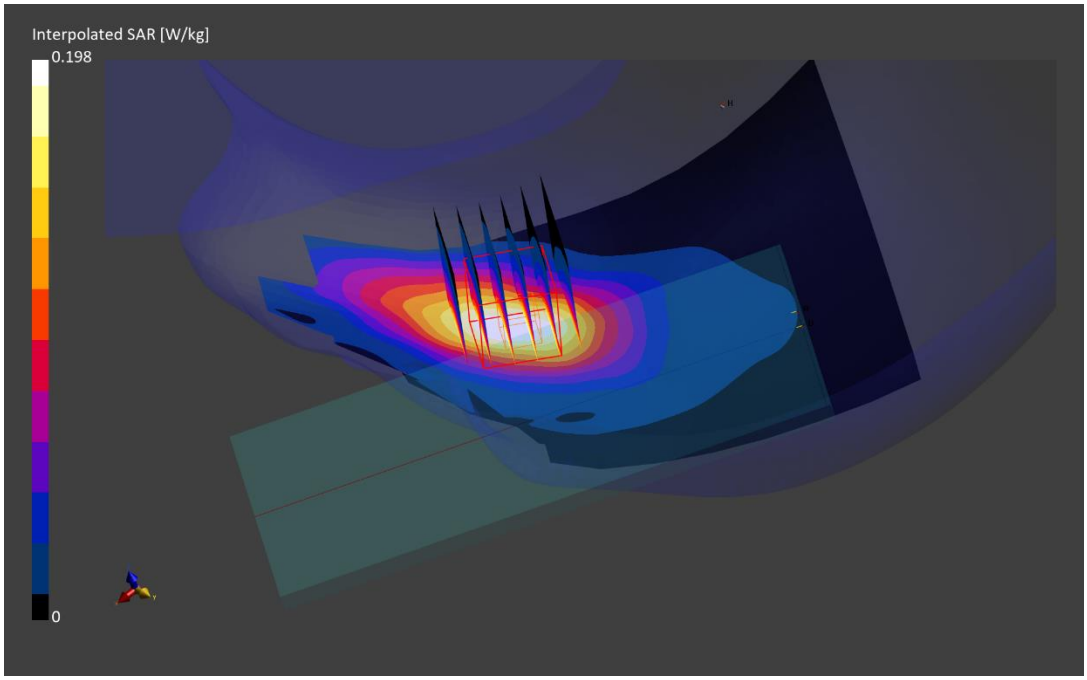
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.4 MHz; cond = 1.40 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 06/21/2023; Ambient Temp: 22.8°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7417; ConvF:(8.32,8.32,8.32); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Left 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 = 0.15 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.198 W/kg
SAR(1 g) = 0.134 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 = 88.9 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

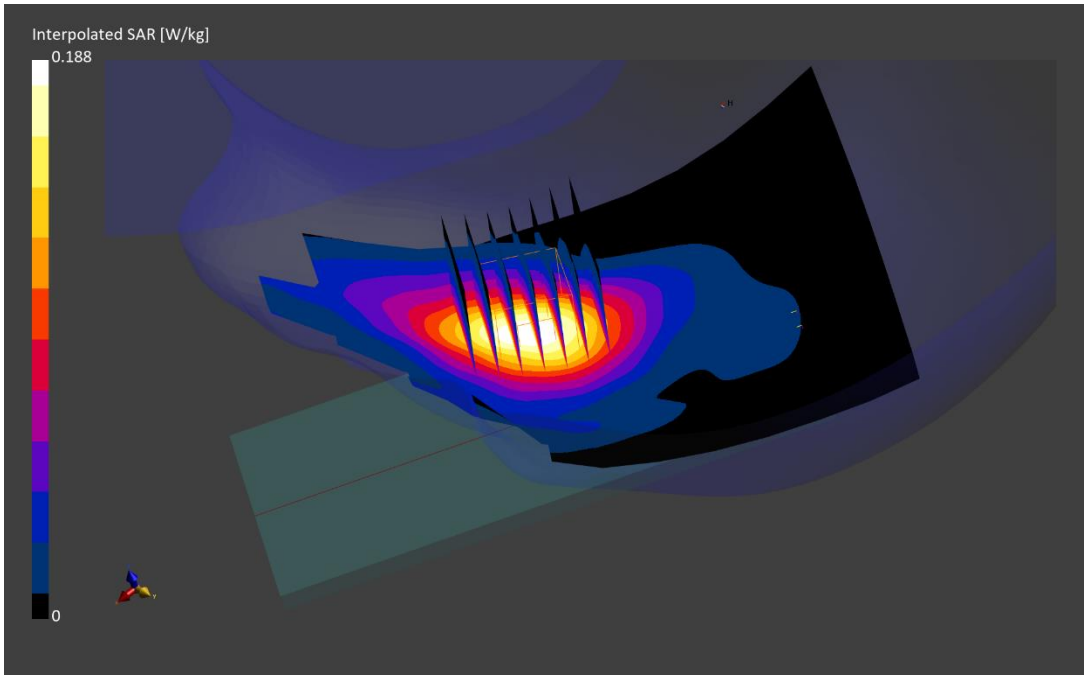
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1880.0 MHz; cond = 1.38 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, Left Head, Cheek, Mid 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 = 0.14 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.188 W/kg
SAR(1 g) = 0.126 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 = 88.6 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26639

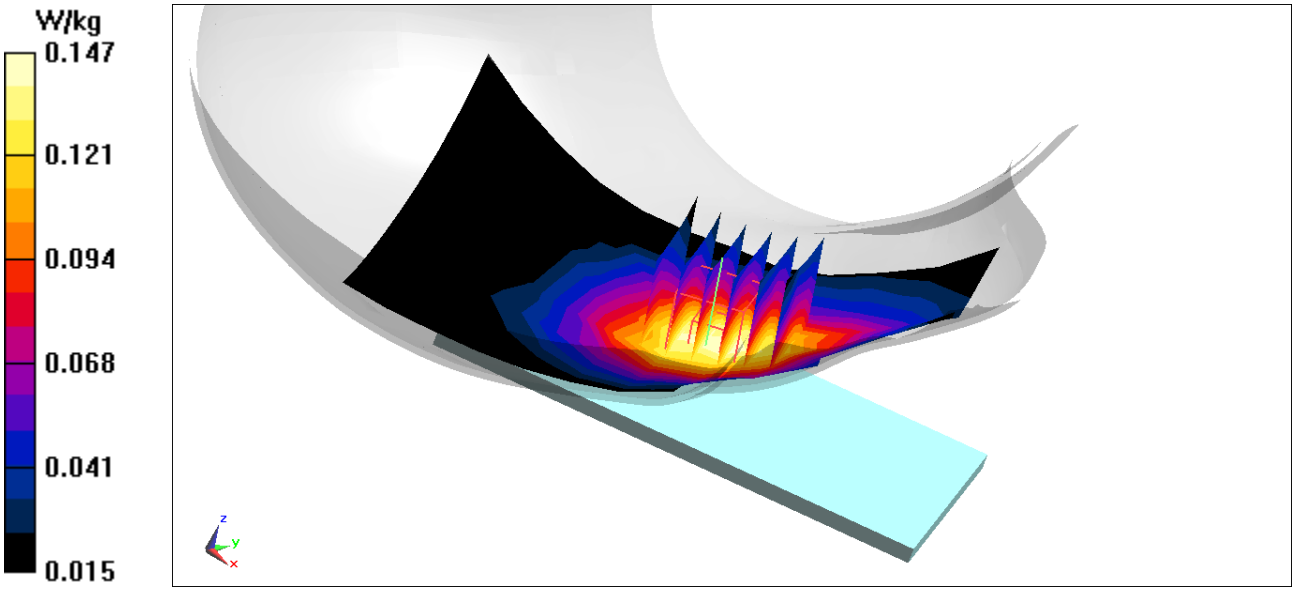
Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 707.5 MHz; σ = 0.852 S/m; ε_r = 42.811; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 07/10/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 707.5 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 12, Antenna A, Right Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.91 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.132 W/kg
Smallest distance from peaks to all points 3 dB below = 22.7 mm
Ratio of SAR at M2 to SAR at M1 = 86.8%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26639

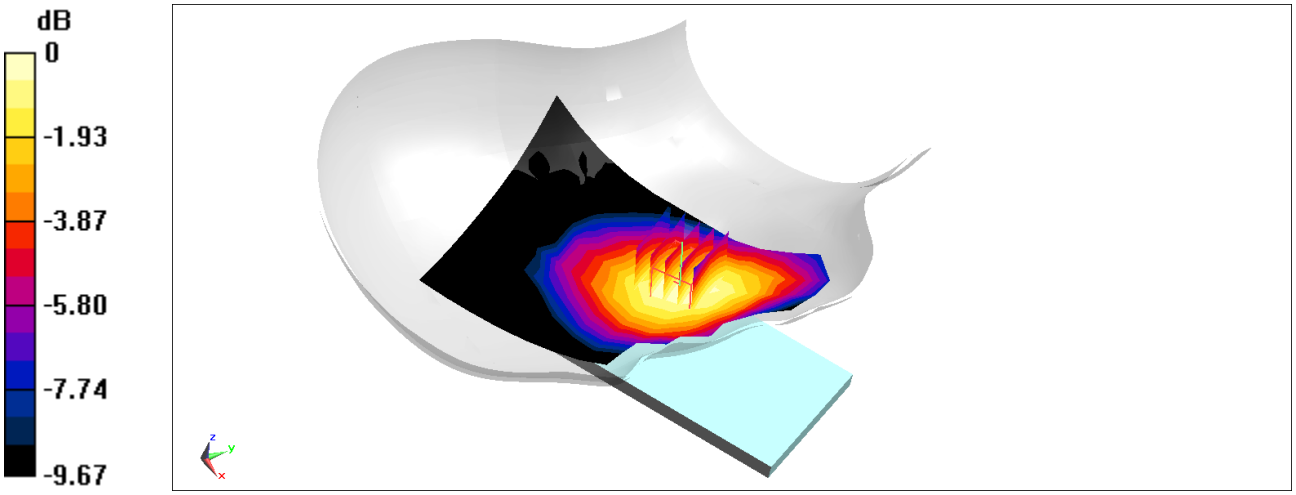
Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 782 MHz; σ = 0.894 S/m; ε_r = 41.261; ρ = 1000 kg/m^3
Phantom section: Right Section;

Test Date: 06/26/2023; Ambient Temp: 22.2°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7640; ConvF(10.91, 10.91, 10.91) @ 782 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 13, Antenna A, Right 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 = 15.60 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.199 W/kg
Smallest distance from peaks to all points 3 dB below = 23.3 mm
Ratio of SAR at M2 to SAR at M1 = 81.3%



0 dB = 0.231 W/kg = -6.36 dBW/kg

ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26977

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 = 0.867 S/m; ε_r = 43.004; ρ = 1000 kg/m^3
Phantom section: Right Section

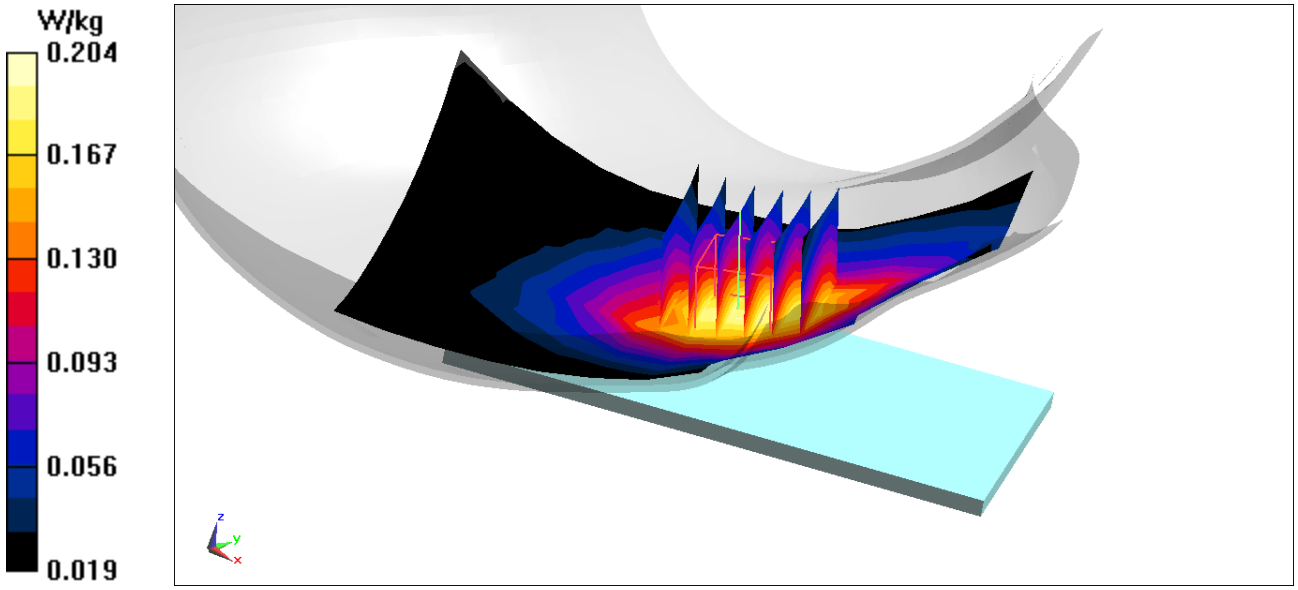
Test Date: 06/27/2023; Ambient Temp: 22.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 831.5 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; 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, Right Head, Cheek, Mid.ch, 15 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.51 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.177 W/kg
Smallest distance from peaks to all points 3 dB below = 22.1 mm
Ratio of SAR at M2 to SAR at M1 = 80.1%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26639

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 = 0.866 S/m; ε_r = 39.812; ρ = 1000 kg/m^3
Phantom section: Right Section;

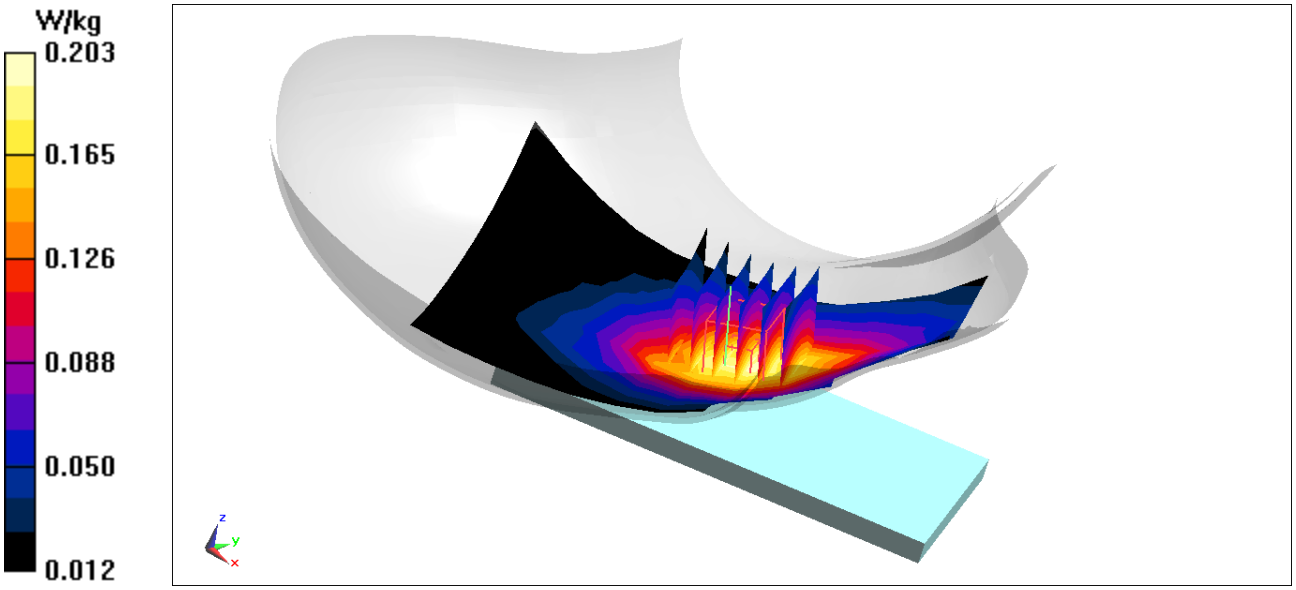
Test Date: 07/05/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 836.5 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.86 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.216 W/kg
SAR(1 g) = 0.176 W/kg
Smallest distance from peaks to all points 3 dB below = 23.1 mm
Ratio of SAR at M2 to SAR at M1 = 81.5%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 31449

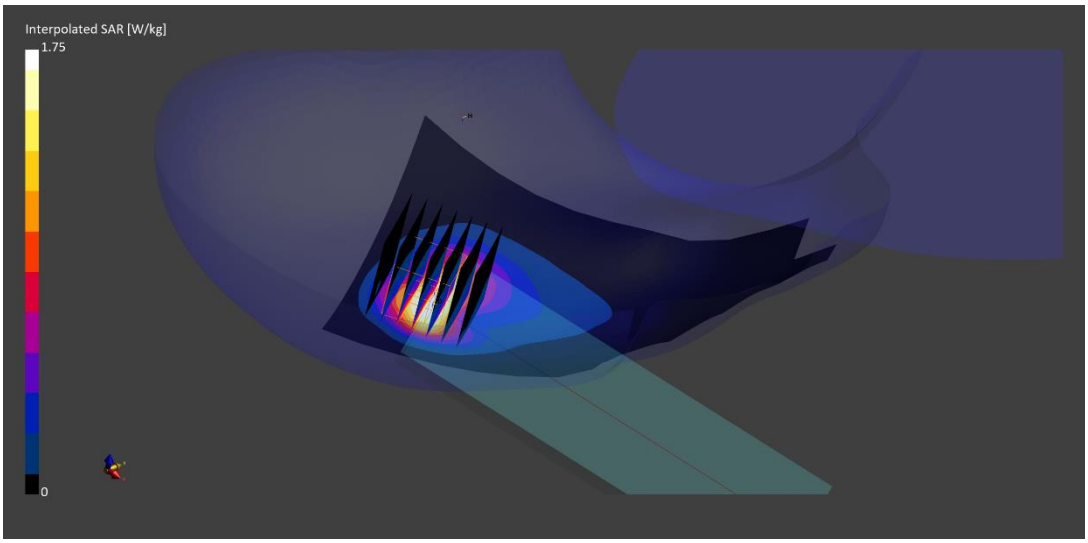
Communication System: UID:10100 - CAE, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1770.0 MHz; cond = 1.35 S/m; perm = 39.5; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/27/2023; Ambient Temp: 21.0°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66 (AWS), Antenna F, Right Head, Tilt, High Ch., 20 MHz Bandwidth, QPSK, 100 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 = 0.75 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.776 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 = 74.9 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30995

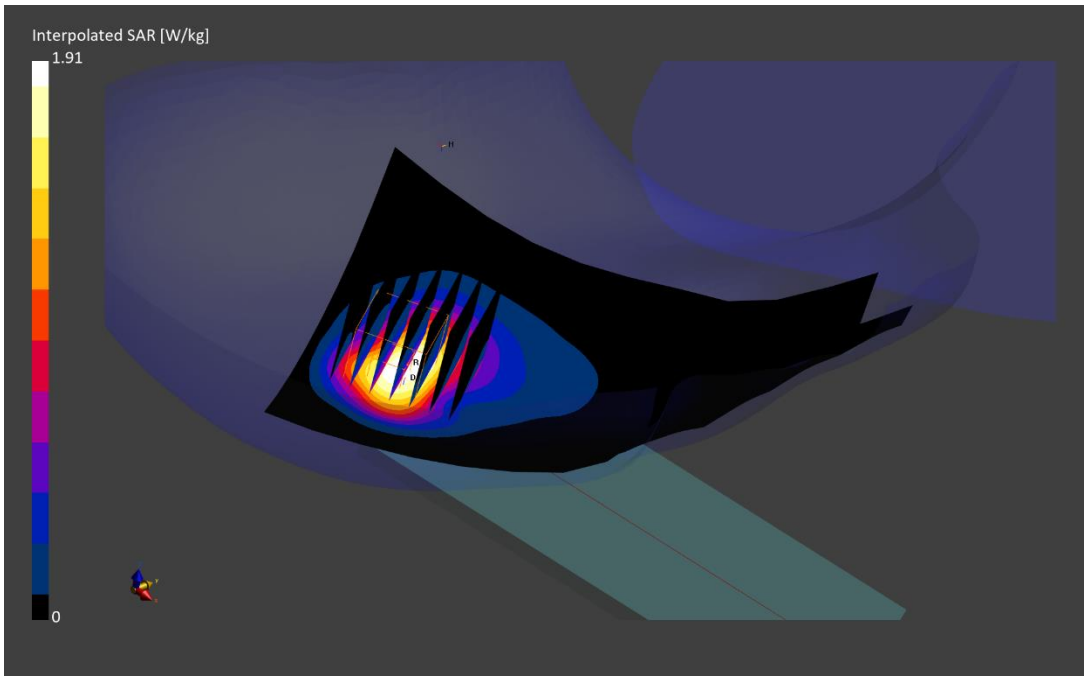
Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.5 MHz; cond = 1.32 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/06/2023; Ambient Temp: 20.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 4, Antenna F, Right Head, Tilt, Mid Ch, 20 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 (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 = 0.70 W/kg; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 0.792 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 = 63.4 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30995

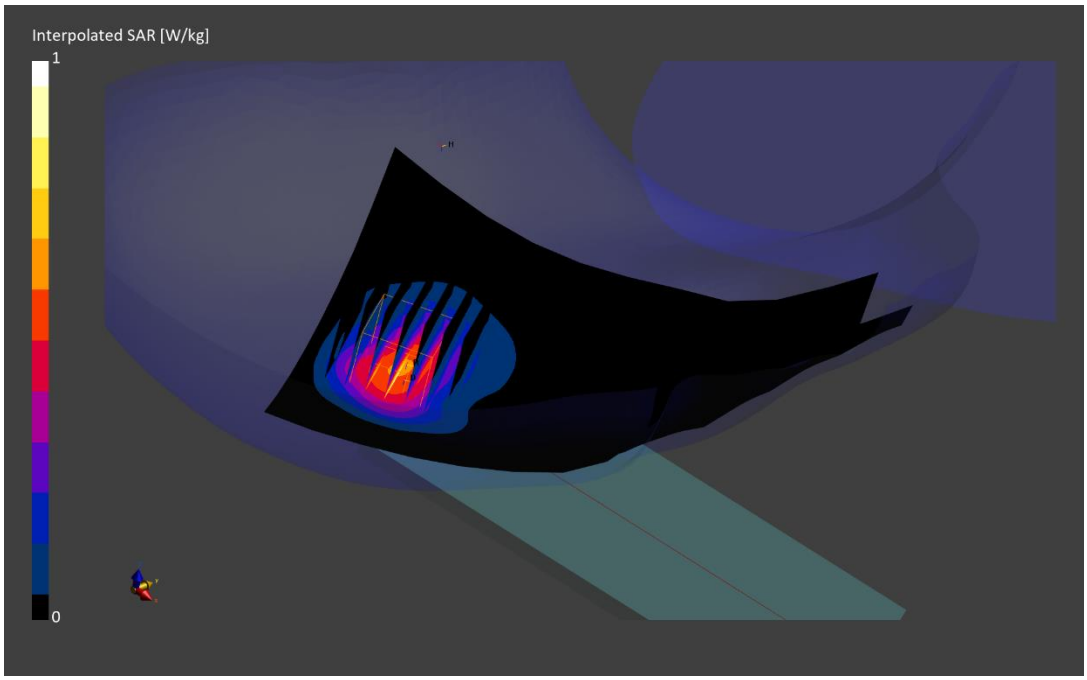
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.38 S/m; perm = 38.8; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 06/21/2023; Ambient Temp: 22.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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 2, 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 (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 = 0.74 W/kg; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.720 W/kg
Smallest distance from peaks to all points 3 dB below is 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

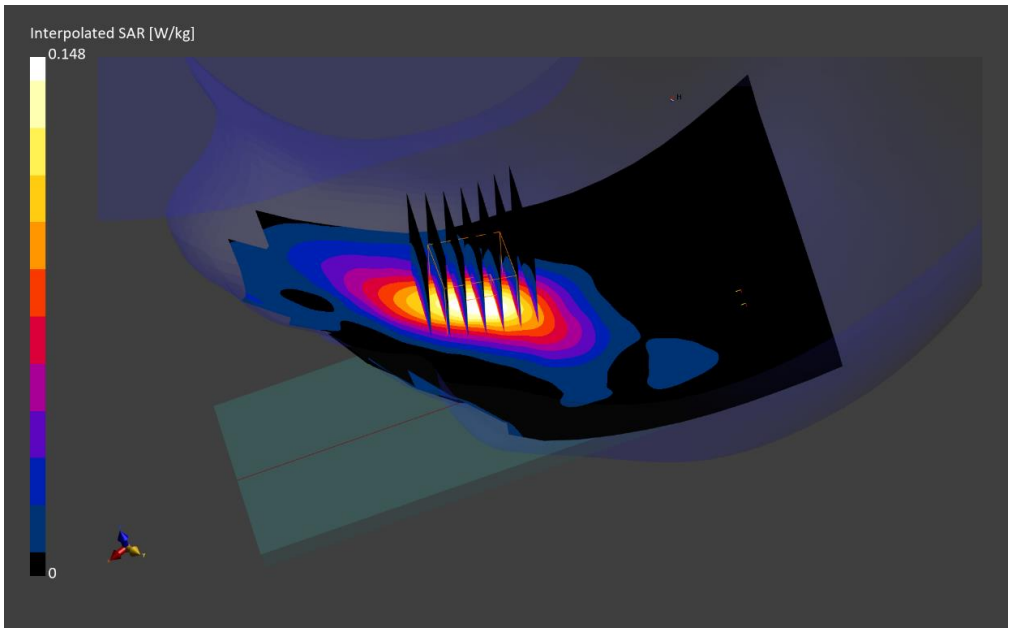
Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2549.5 MHz
Medium: 2450 Head; Medium parameters used:
f = 2549.5 MHz; cond = 1.93 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 07/12/2023; Ambient Temp: 24.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.26,7.26,7.26); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 41, Antenna B, Left Head, Cheek, Low-Mid Ch., 20 MHz Bandwidth, 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 = 0.07 W/kg; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.148 W/kg
SAR(1 g) = 0.081 W/kg
Smallest distance from peaks to all points 3 dB below is 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 82.0 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 62162

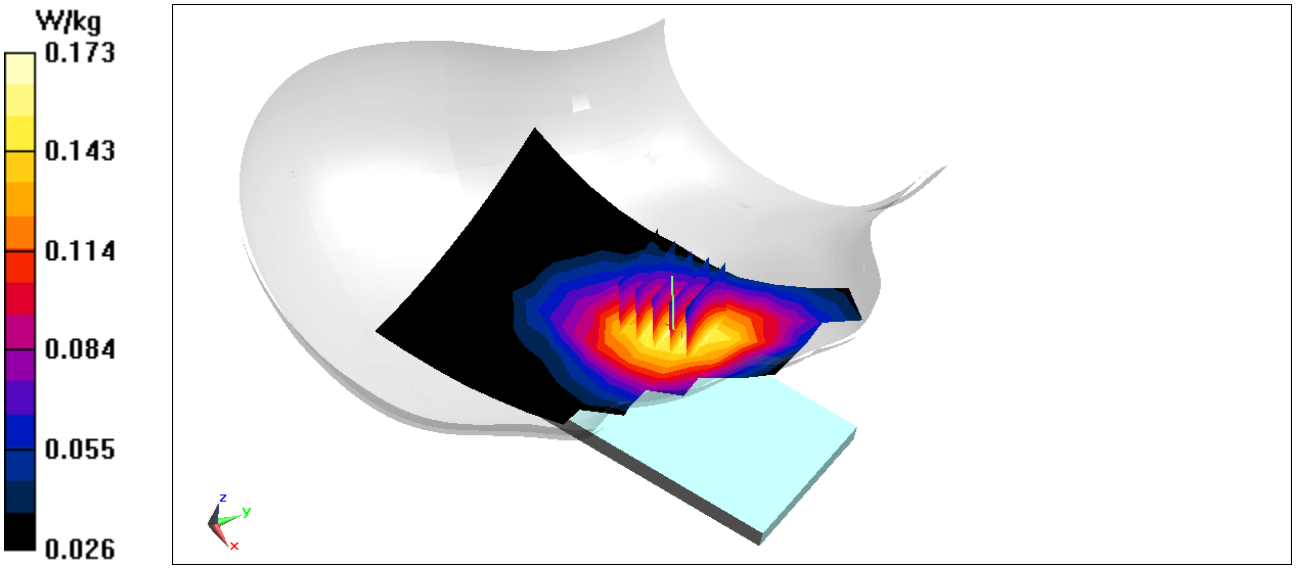
Communication System: UID 0, NR Band n5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.5 MHz; σ = 0.894 S/m; ε_r = 41.138; ρ = 1000 kg/m^3
Phantom section: Right Section;

Test Date: 07/12/2023; Ambient Temp: 20.4°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7402; ConvF(9.84, 9.84, 9.84) @ 836.5 MHz; Calibrated: 5/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 6/27/2023
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: NR Band n5, Antenna A, Right Head, Cheek, 20 MHz Bandwidth, DFT-s-OFDM QPSK, Ch. 167300, 50 RB, 28 RB Offset

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.78 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.152 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 = 83.3%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 31498

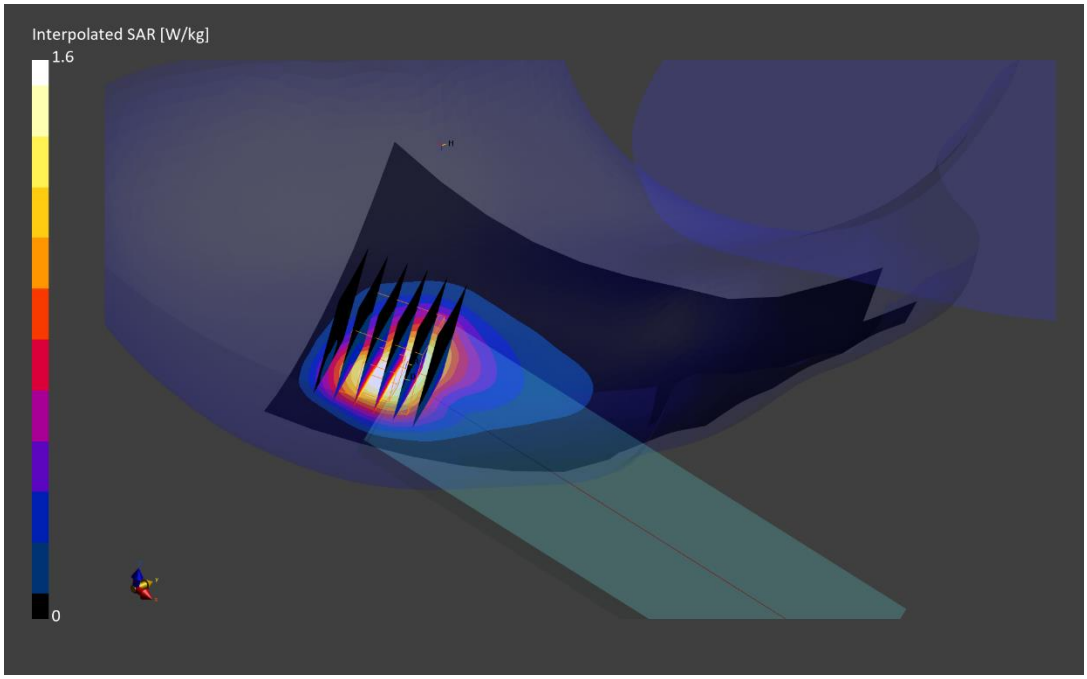
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.33 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/03/2023; Ambient Temp: 22.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7661; ConvF:(8.97,8.97,8.97); Calibrated: 2023-06-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; Calibrated: 2023-05-11
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna F, Right Head, Tilt, Ch. 349000, 40 MHz Bandwidth, 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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.70 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.724 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 = 74.3 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26910

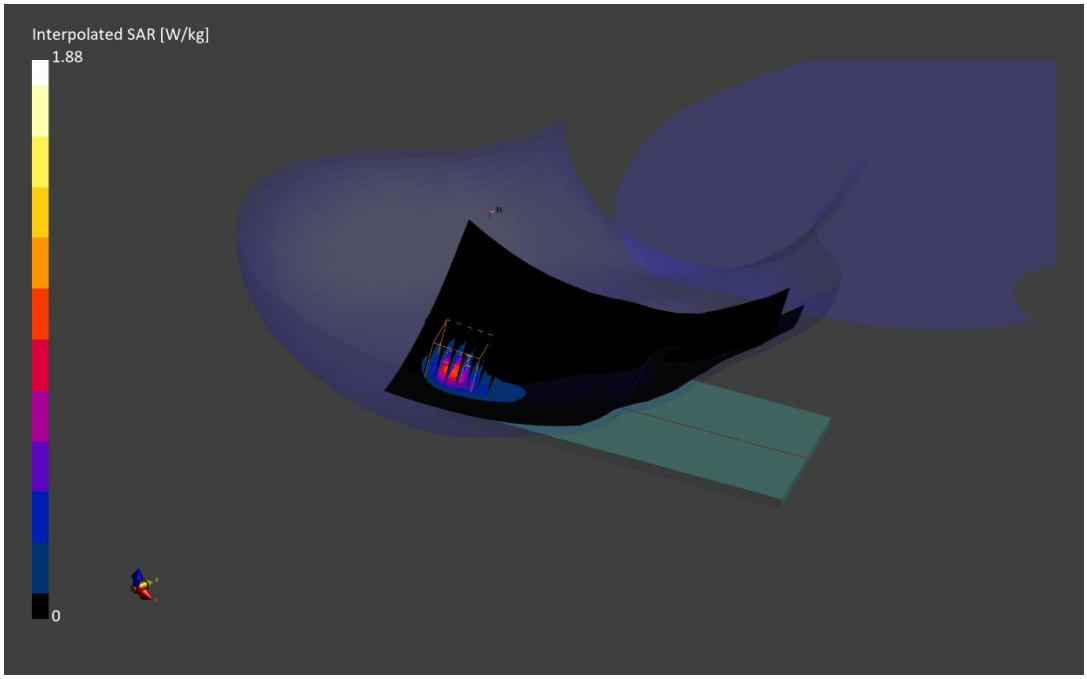
Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2593.0 MHz; cond = 1.90 S/m; perm = 40.9; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/12/2023; Ambient Temp: 22.7°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7308; ConvF:(7.74,7.74,7.74); Calibrated: 2023-02-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2023-02-15
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n41, Antenna F, Right Head, Cheek, Ch.518598, 100 MHz Bandwidth, CW/SRS

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=4.9 mm, dy=4.9 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.80 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 0.775 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 = 76.6 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26613

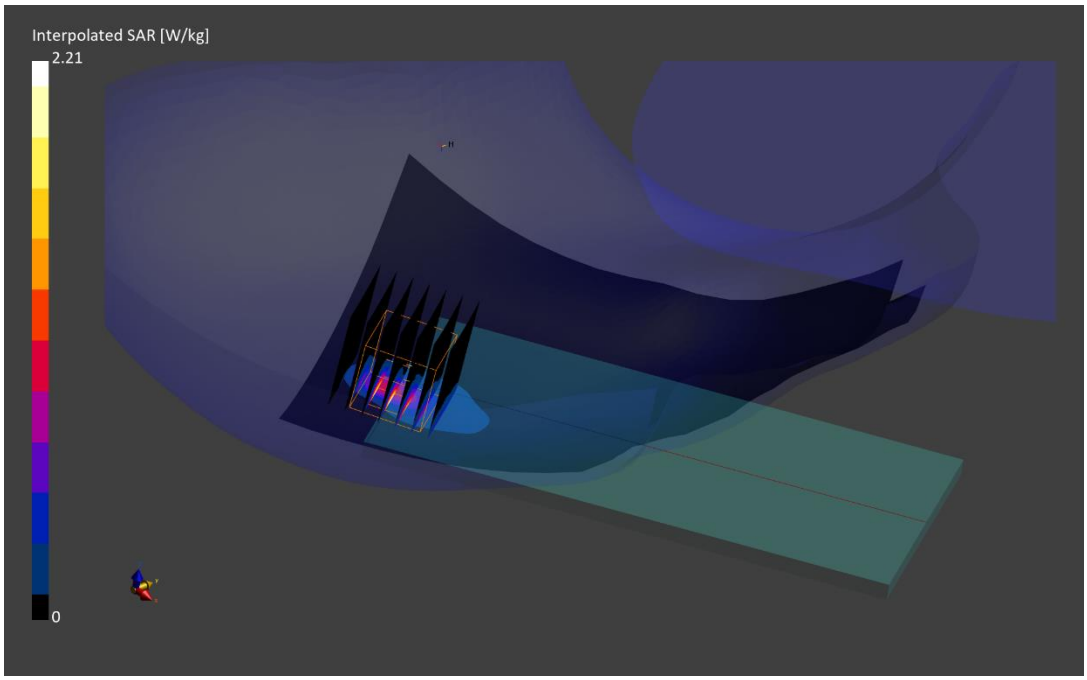
Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3930.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3930.0 MHz; cond = 3.20 S/m; perm = 37.0; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/20/2023; Ambient Temp: 20.3°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7638; ConvF:(6.92,6.92,6.92); Calibrated: 2023-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77, Antenna F, Right Head, Cheek, Ch. 662000, 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 = 1.23 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.720 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 = 70.3 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26423

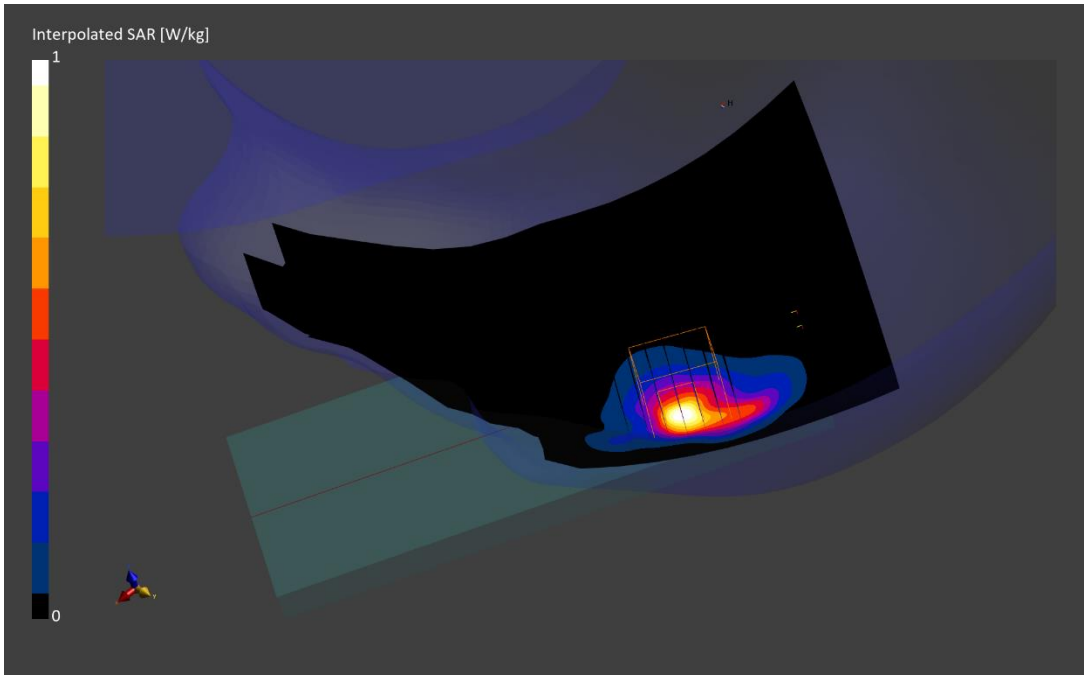
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2412.0 MHz; cond = 1.82 S/m; perm = 37.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 07/02/2023; Ambient Temp: 23.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
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 = 0.52 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.487 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 = 83.6 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26571

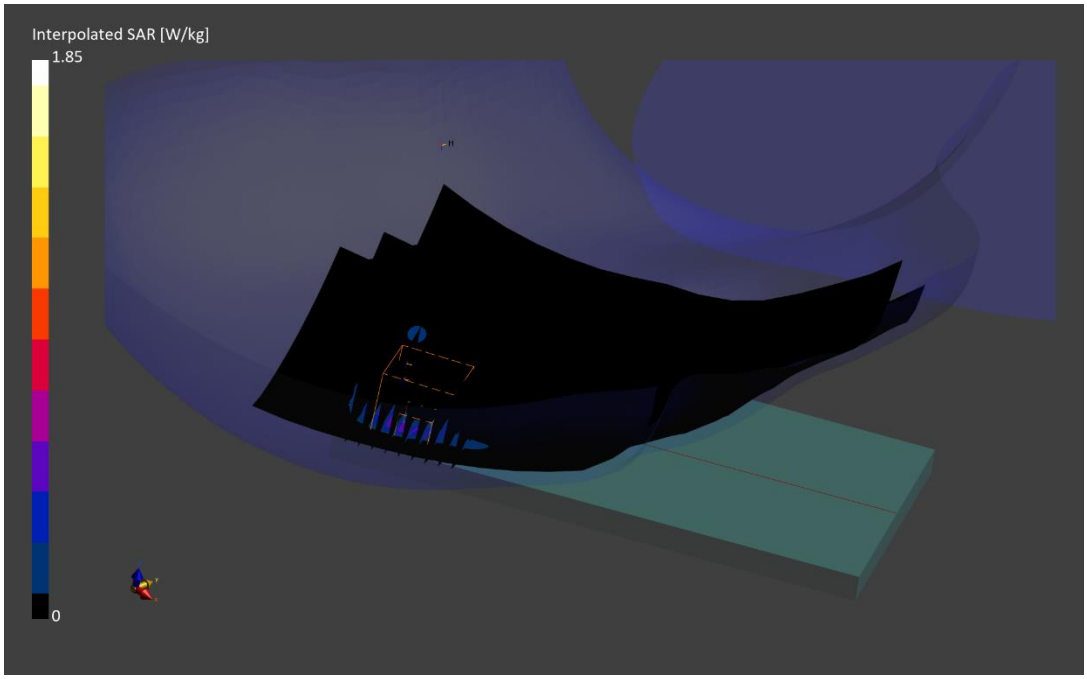
Communication System: UID:10544 - AAC, WLAN; MAIA: Y; Frequency: 5690.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5690.0 MHz; cond = 5.10 S/m; perm = 36.3; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/04/2023; Ambient Temp: 22.9°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(4.92,4.92,4.92); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ac, U-NII-2C, MIMO, 80 MHz Bandwidth, Right 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=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.26 W/kg; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.419 W/kg
Smallest distance from peaks to all points 3 dB below is 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 62.4 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 24623

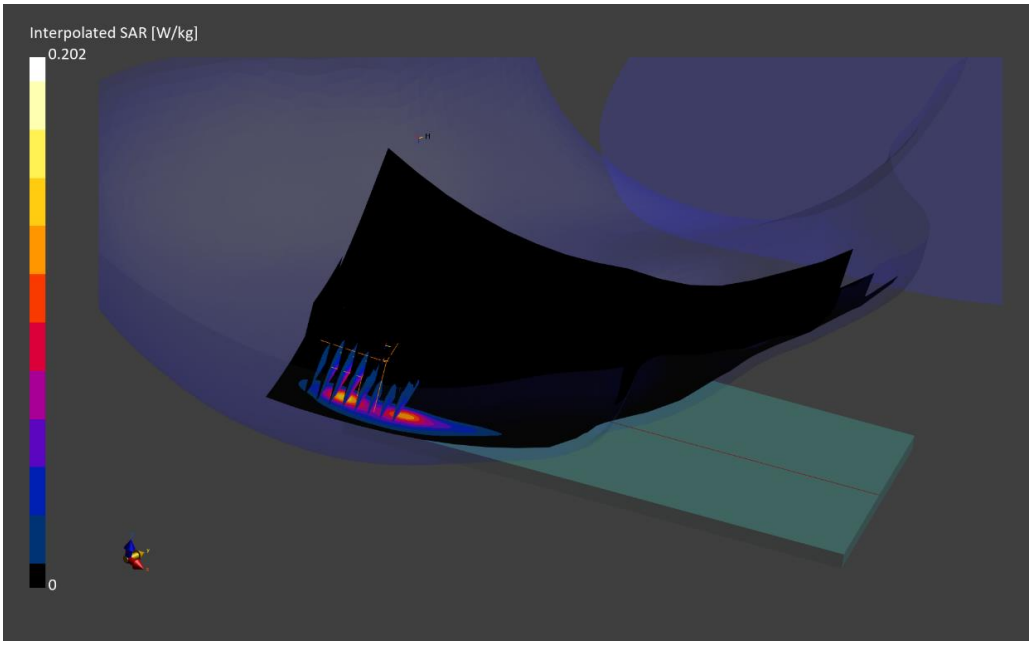
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2441.0 MHz; cond = 1.78 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/24/2023; Ambient Temp: 21.1°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 1, Right 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=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.05 W/kg; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.071 W/kg
Smallest distance from peaks to all points 3 dB below is 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 71.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26977

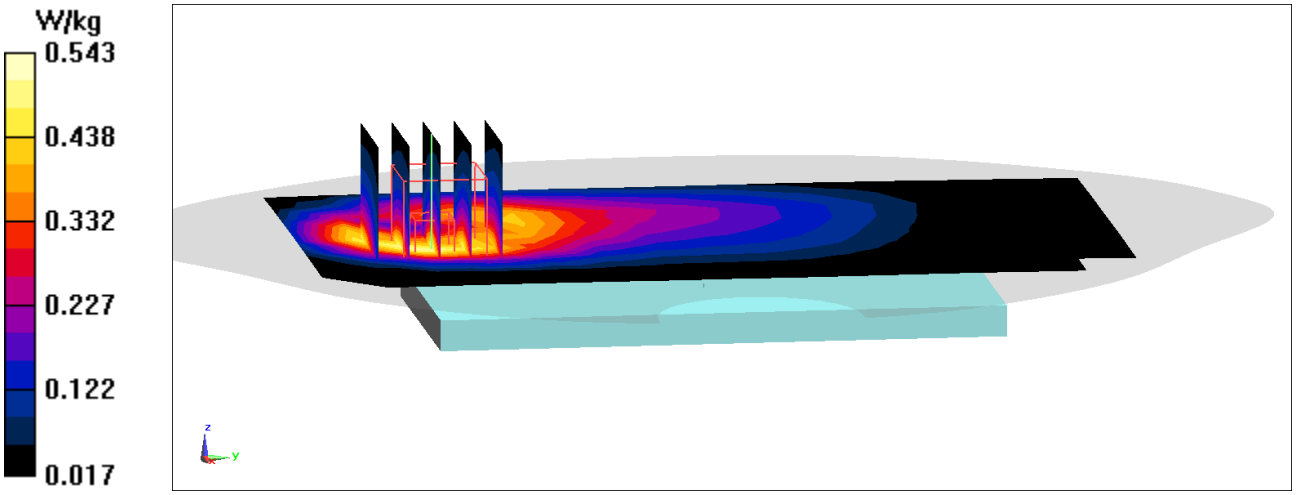
Communication System: UID 0, GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.905 S/m; ε_r = 40.526; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/28/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 836.6 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: GSM 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 = 21.39 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.381 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.6%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

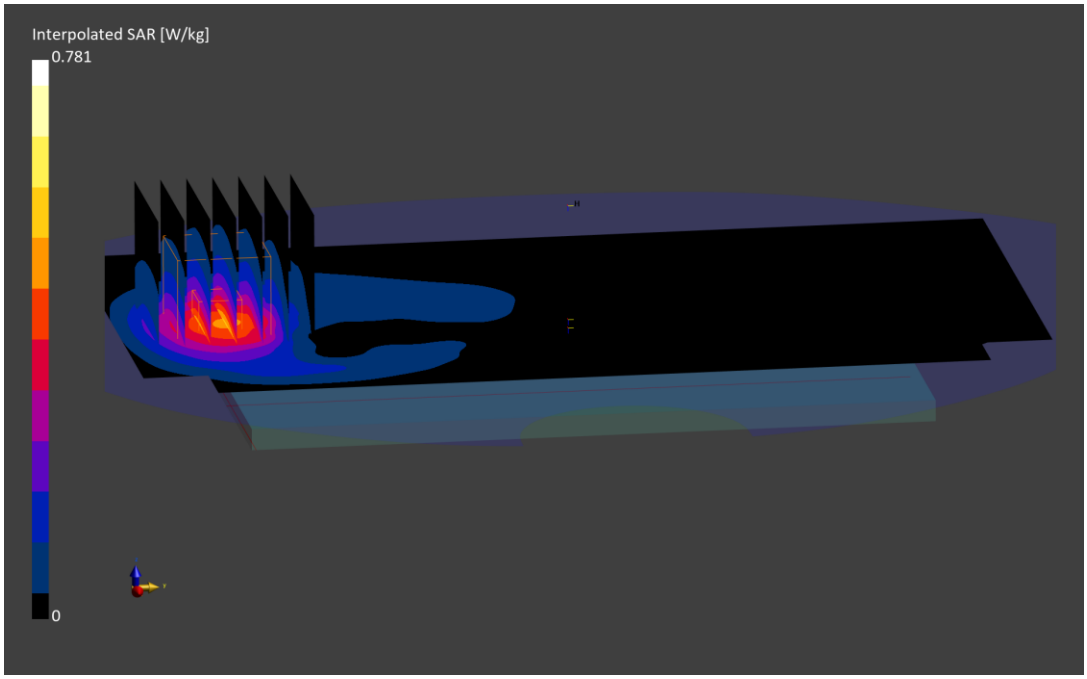
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1880.0 MHz; cond = 1.38 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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: GSM 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 (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 = 0.52 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.781 W/kg
SAR(1 g) = 0.454 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 = 84.0 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26985

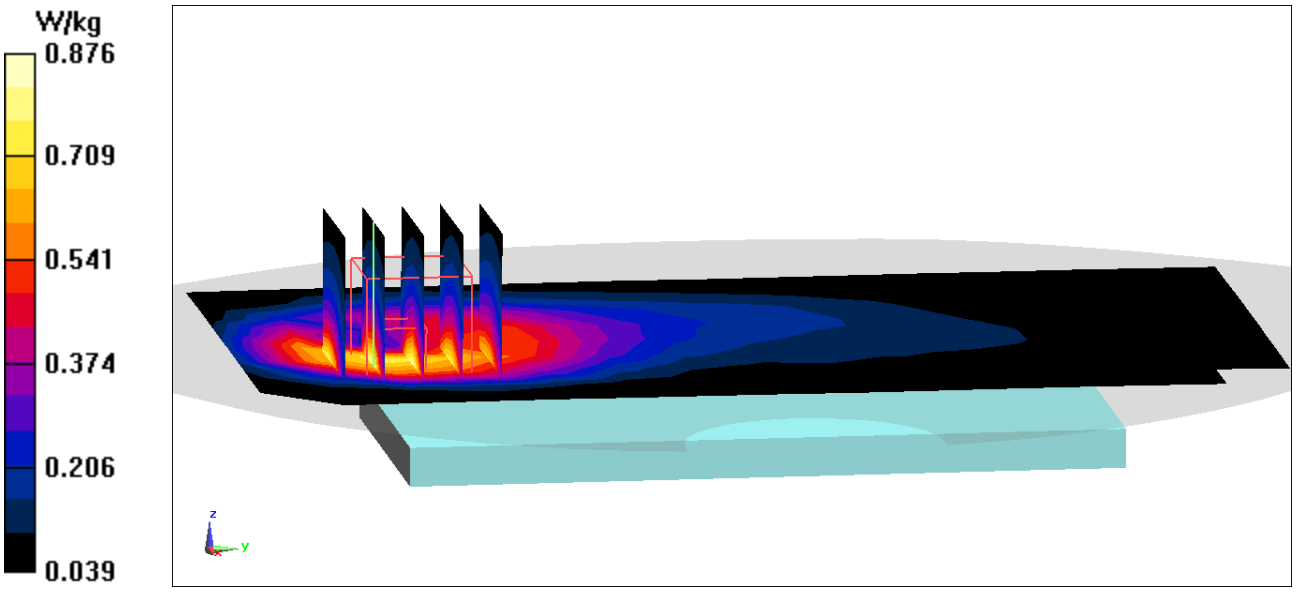
Communication System: UID 0, UMTS, Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 846.6 MHz; σ = 0.879 S/m; ε_r = 40.994; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/29/2023; Ambient Temp: 22.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 846.6 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; 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 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.63 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.660 W/kg
Smallest distance from peaks to all points 3 dB below = 12.5 mm
Ratio of SAR at M2 to SAR at M1 = 64.9%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

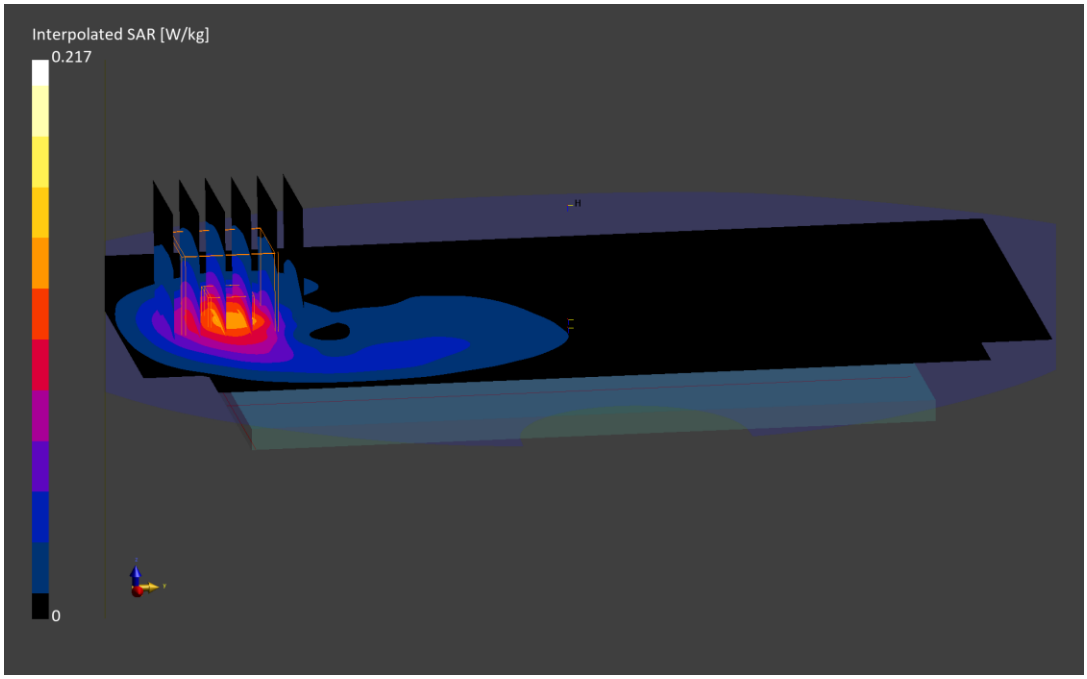
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.4 MHz; cond = 1.30 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/28/2023; Ambient Temp:23.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, 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 = 0.14 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.125 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 = 84.5 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

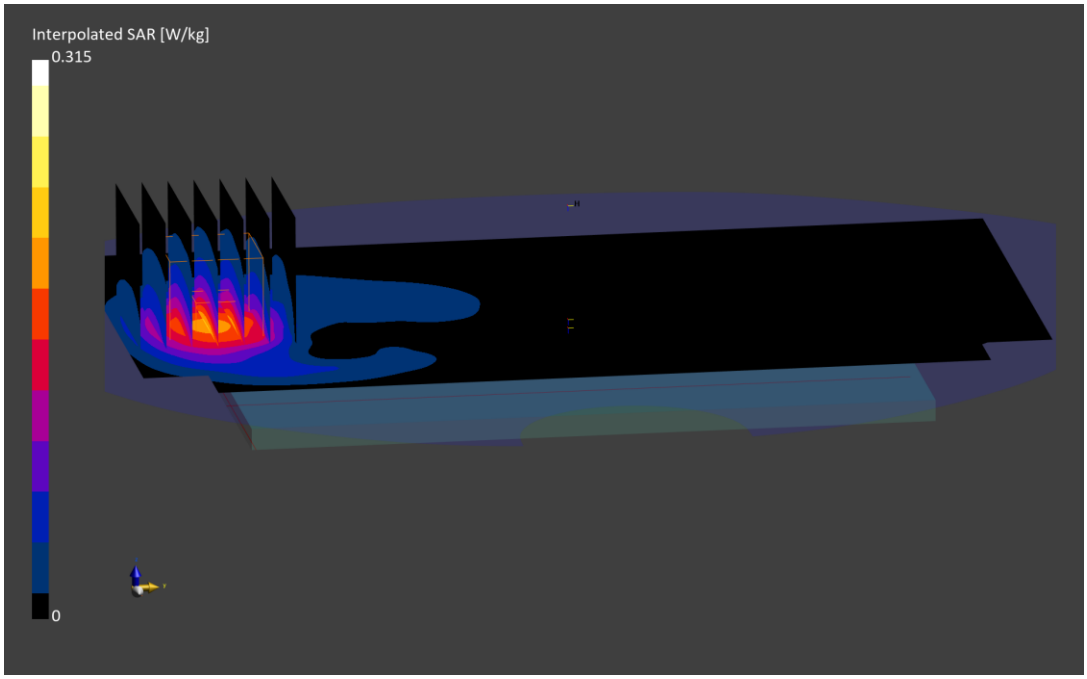
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1880.0 MHz; cond = 1.38 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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: 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 (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 = 0.21 W/kg; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.315 W/kg
SAR(1 g) = 0.184 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 = 83.9 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26639

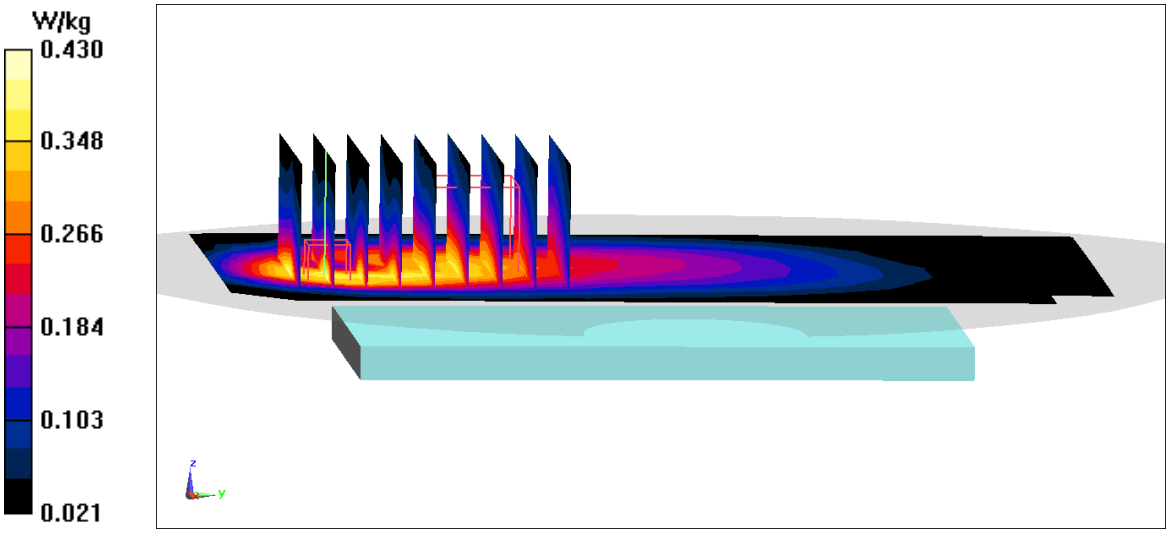
Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 707.5 MHz; σ = 0.855 S/m; ε_r = 41.925; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 07/12/2023; Ambient Temp: 22.4°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 707.5 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 12, Antenna A, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.00 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.313 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 61.3%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26977

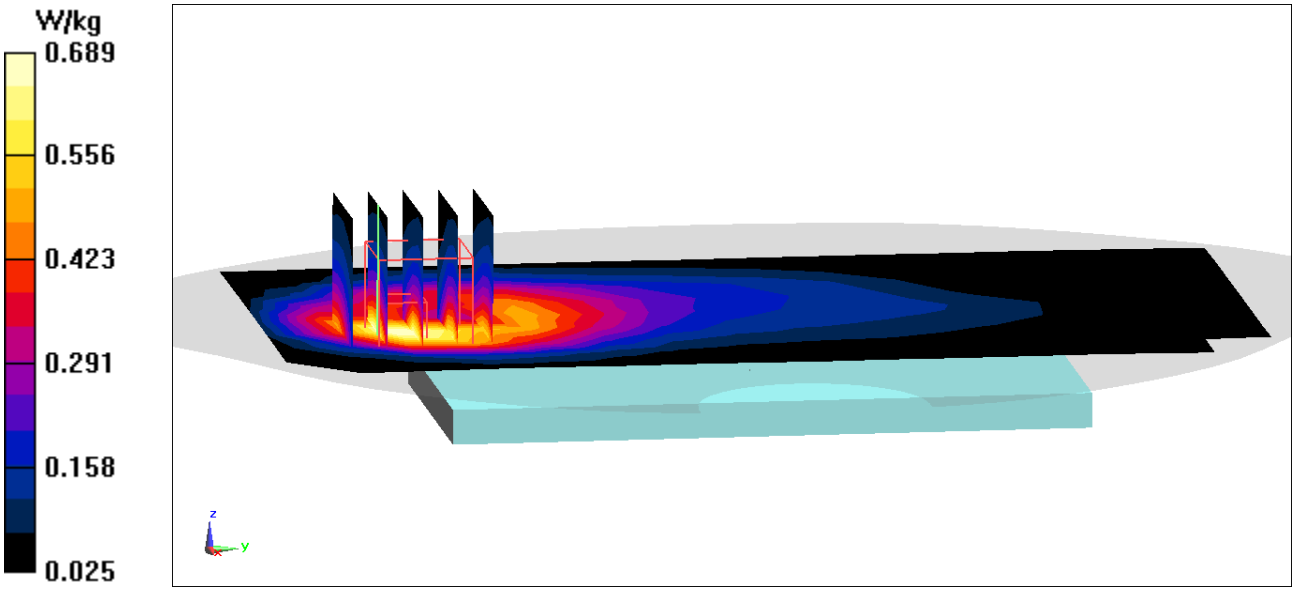
Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 782 MHz; σ = 0.878 S/m; ε_r = 43.439; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/26/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 782 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 13, Antenna A, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (9x16x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.21 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.824 W/kg
SAR(1 g) = 0.516 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 63.9%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26977

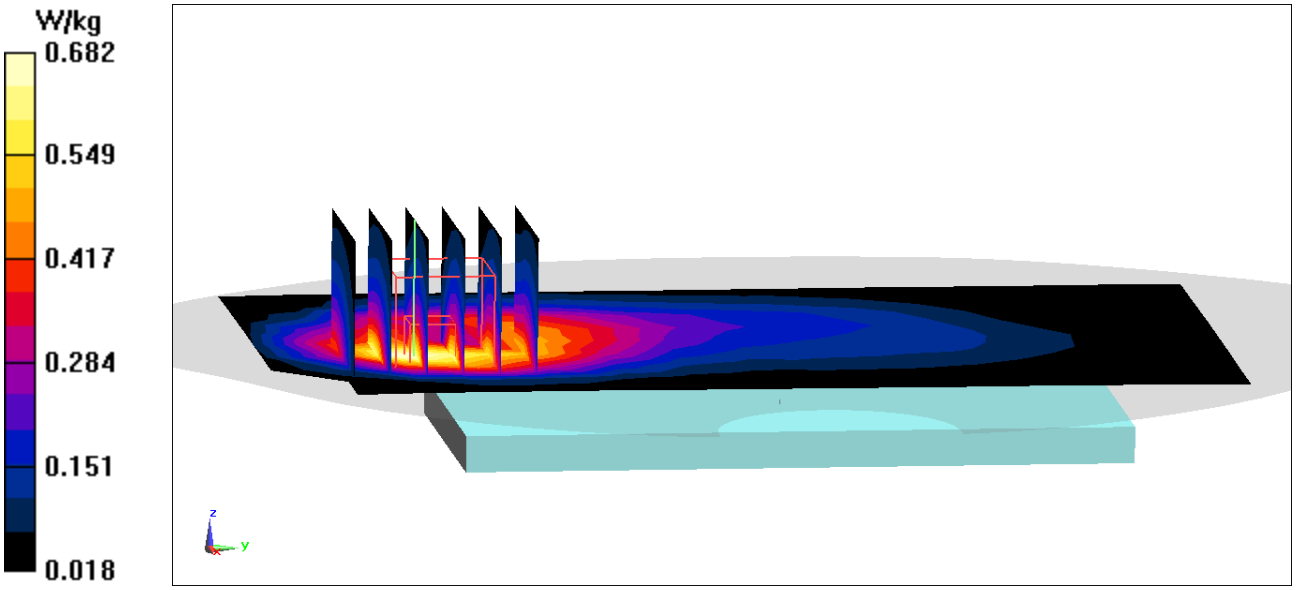
Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 831.5 MHz; σ = 0.867 S/m; ε_r = 43.004; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/27/2023; Ambient Temp: 22.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 831.5 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; 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, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.18 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.796 W/kg
SAR(1 g) = 0.511 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 63.9%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 62162

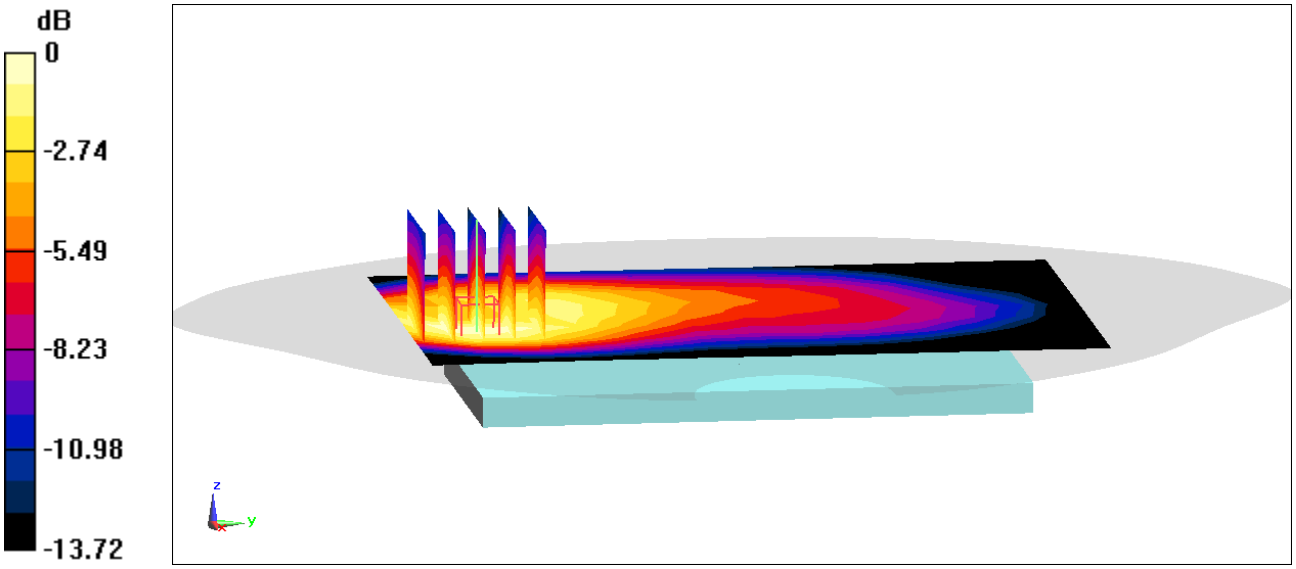
Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.5 MHz; σ = 0.894 S/m; ε_r = 41.138; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 07/12/2023; Ambient Temp: 20.4°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7402; ConvF(9.84, 9.84, 9.84) @ 836.5 MHz; Calibrated: 5/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 6/27/2023
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 5 (Cell.), Antenna A, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 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 = 22.63 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.666 W/kg
SAR(1 g) = 0.427 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 65.2%



0 dB = 0.573 W/kg = -2.42 dBW/kg

ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

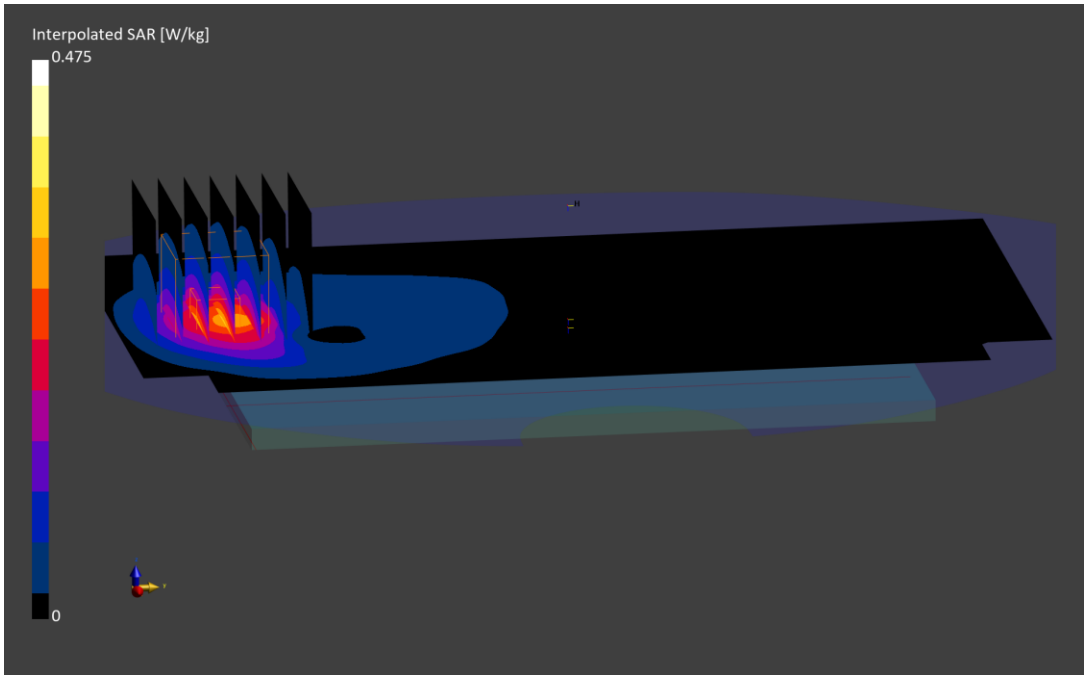
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1770.0 MHz; cond = 1.35 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/23/2023; Ambient Temp: 24.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66, Antenna A, Body SAR, Back Side, 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 (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 = 0.32 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.475 W/kg
SAR(1 g) = 0.279 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 = 84.6 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 31449

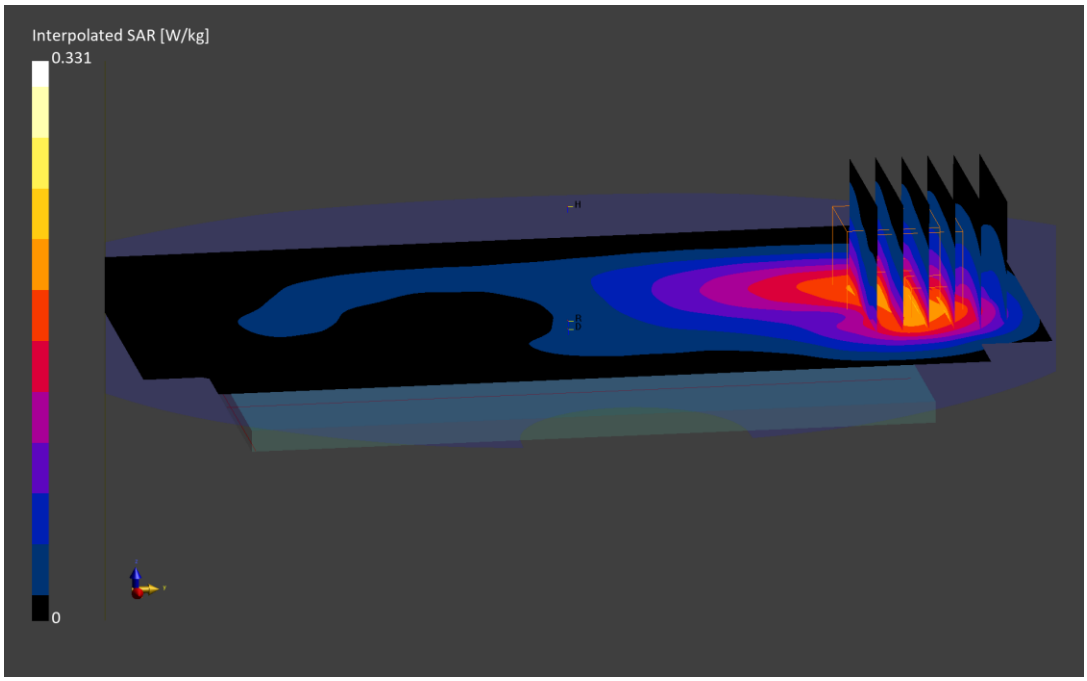
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.5 MHz; cond = 1.30 S/m; perm = 39.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/23/2023; Ambient Temp: 24.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 4, Antenna F, Body SAR, Back Side, Mid 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 = 0.22 W/kg; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.195 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 = 84.8 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

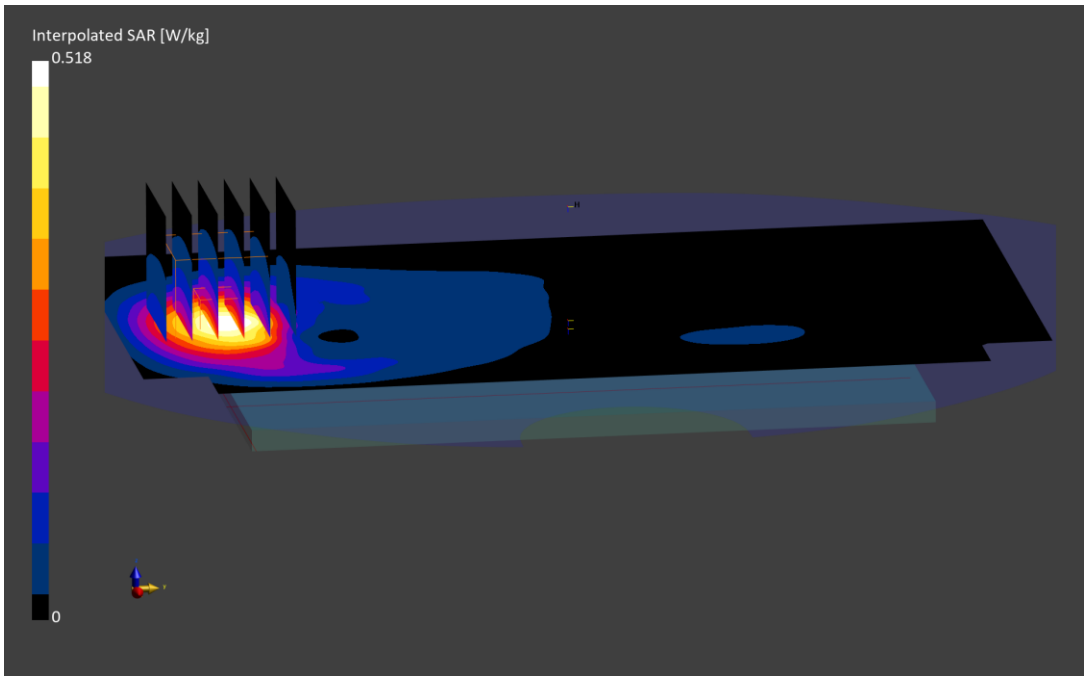
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.39 S/m; perm = 40.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/23/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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 2, Antenna A, Body SAR, Back Side, High Ch., 20 MHz Bandwidth, QPSK, 50 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 = 0.34 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.518 W/kg
SAR(1 g) = 0.299 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 = 84.7 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

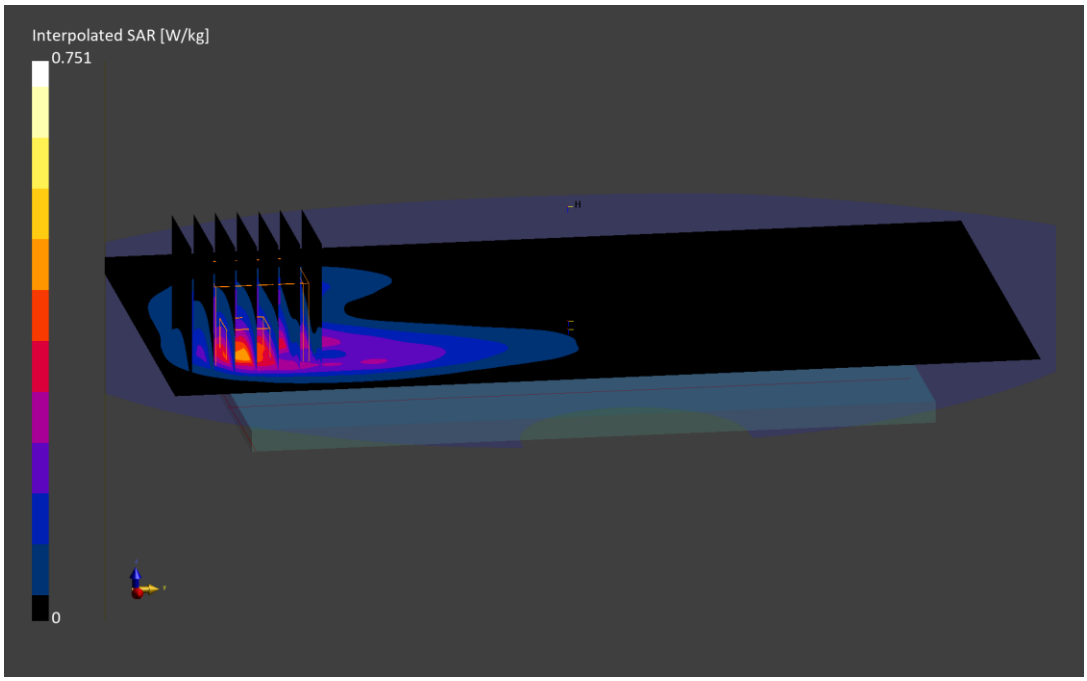
Communication System: UID:10151 - CAG, LTE-TDD; MAIA: Y; Frequency: 2506.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2506.0 MHz; cond = 1.89 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/12/2023; Ambient Temp: 24.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 41, HPUE, Antenna B, Body SAR, Back Side, Low 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 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) = 0.751 W/kg
SAR(1 g) = 0.364 W/kg
Smallest distance from peaks to all points 3 dB below is 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 80.3 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 62162

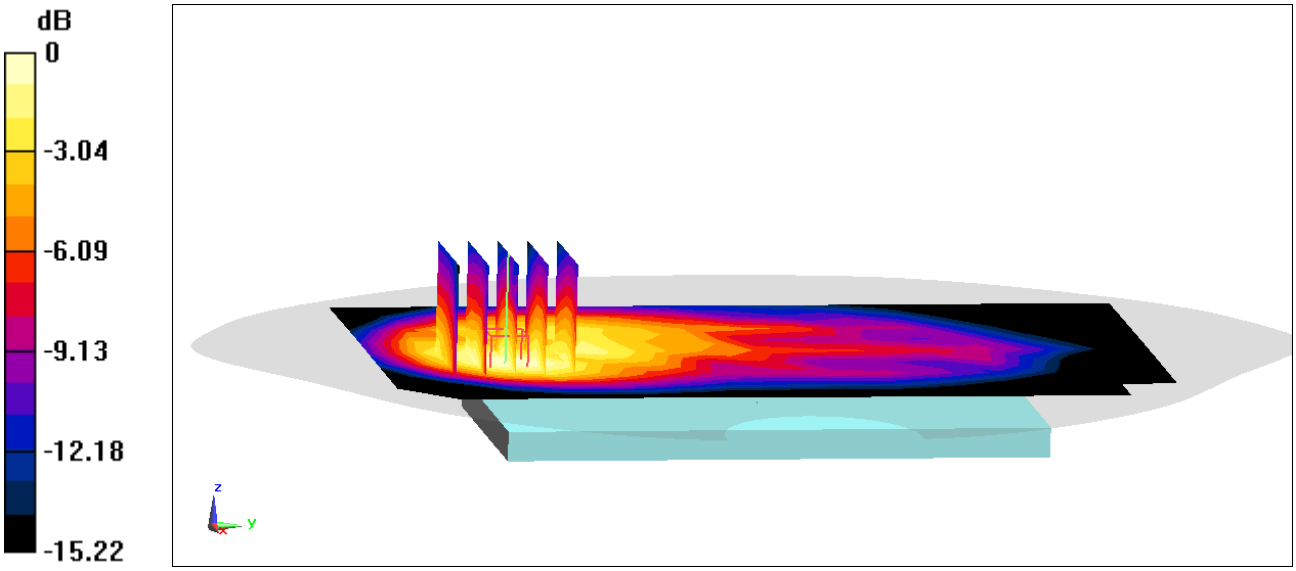
Communication System: UID 0, NR Band n5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.5 MHz; σ = 0.897 S/m; ε_r = 43.366; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 07/10/2023; Ambient Temp: 20.9°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7402; ConvF(9.84, 9.84, 9.84) @ 836.5 MHz; Calibrated: 5/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 6/27/2023
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: NR Band n5, Antenna A, Body SAR, Back Side, 20 MHz Bandwidth, DFT-s-OFDM QPSK, Ch. 167300, 1 RB, 53 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 = 22.13 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.657 W/kg
SAR(1 g) = 0.408 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 62.9%



0 dB = 0.567 W/kg = -2.46 dBW/kg

ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30664

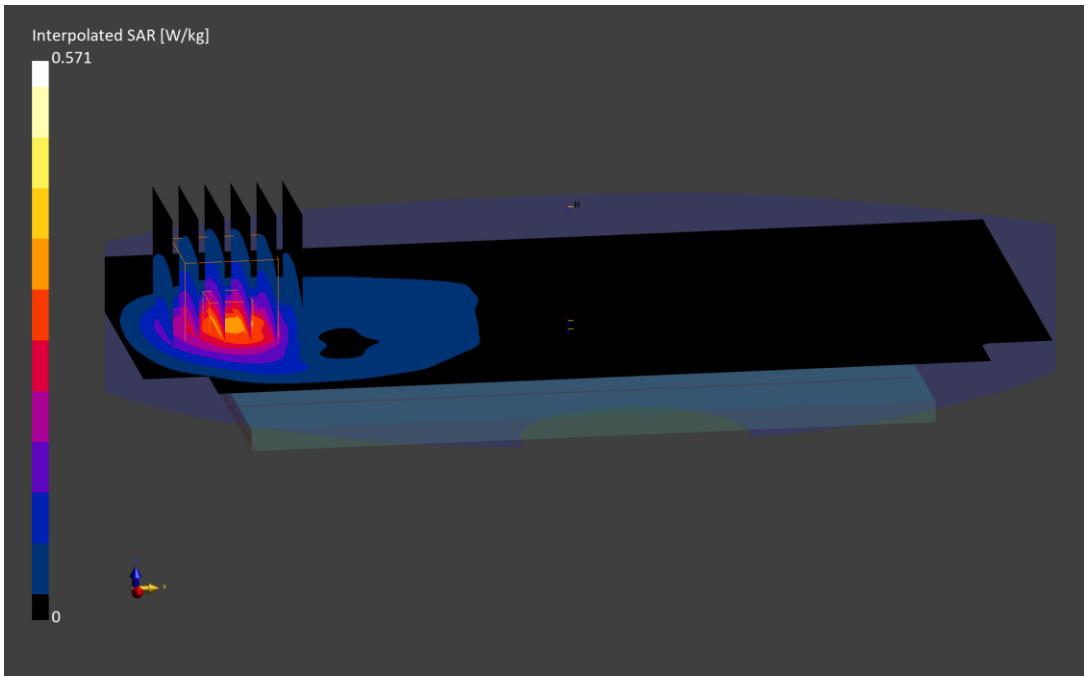
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.33 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/06/2023; Ambient Temp: 20.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna A, Body SAR, Back Side, Ch. 349000, 40 MHz Bandwidth, 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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.37 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.571 W/kg
SAR(1 g) = 0.327 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: A3LSMS711B; Type: Portable Handset; Serial: 26910

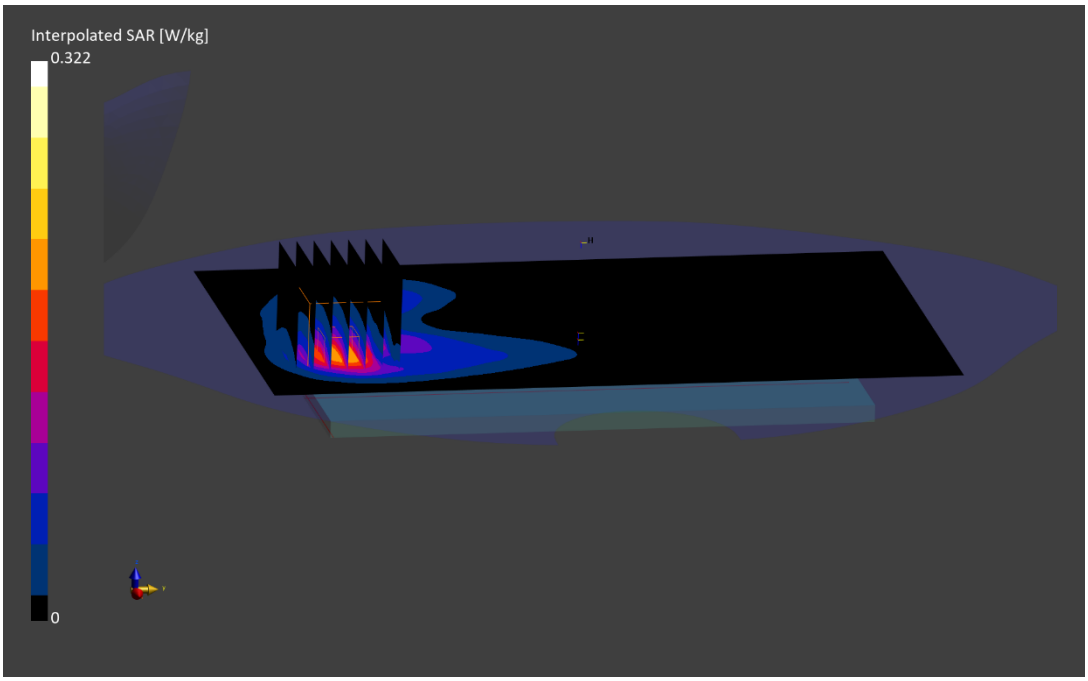
Communication System: UID:10803 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2593.0 MHz; cond = 1.89 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/28/2023; Ambient Temp: 23.2°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3837; ConvF:(7.15,7.15,7.15); Calibrated: 2023-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n41, Antenna B, Body SAR, Back Side, Ch. 518598, 100 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 = 0.14 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.158 W/kg
Smallest distance from peaks to all points 3 dB below is 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 79.4 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26910

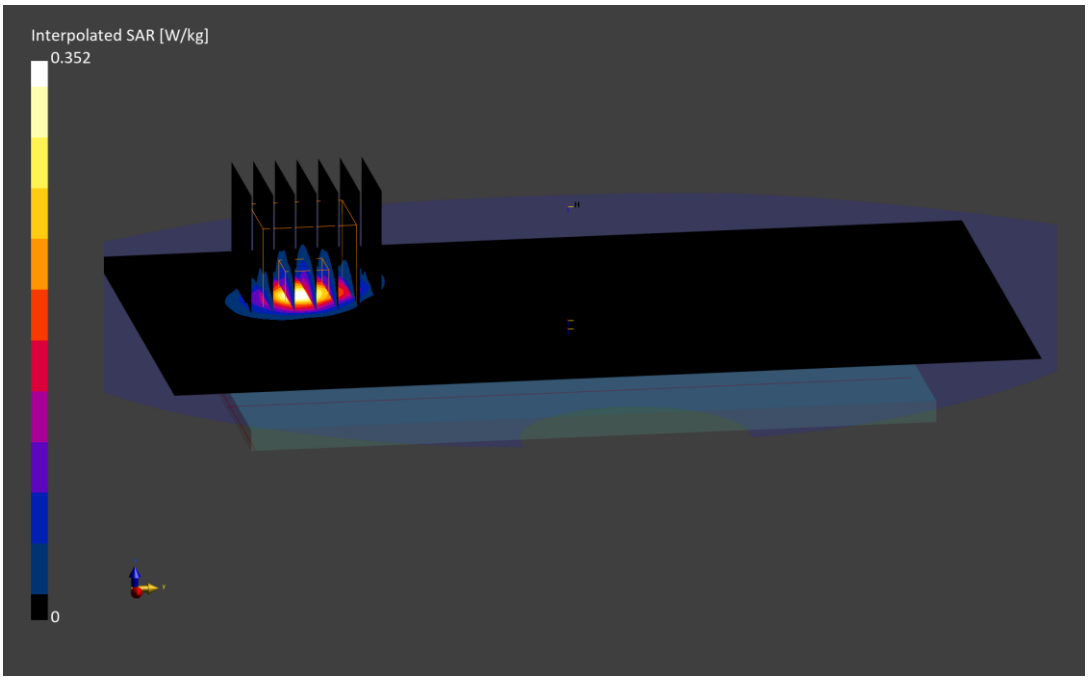
Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.78 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/27/2023; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3837; ConvF:(6.82,6.82,6.82); Calibrated: 2023-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77 DoD, Antenna D, Body SAR, Back Side, Ch. 633334, 100 MHz Bandwidth, CW/SRS

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 = 0.12 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.352 W/kg
SAR(1 g) = 0.142 W/kg
Smallest distance from peaks to all points 3 dB below is 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 76.4 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26423

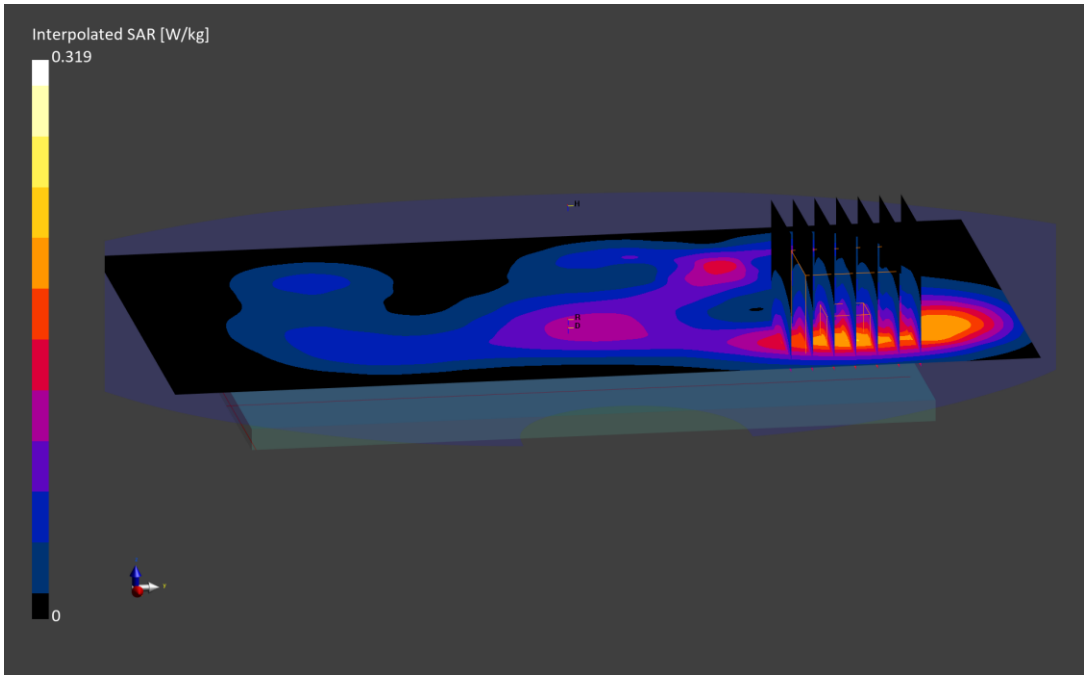
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2412.0 MHz; cond = 1.82 S/m; perm = 37.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/02/2023; Ambient Temp: 23.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
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 = 0.17 W/kg; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.319 W/kg
SAR(1 g) = 0.174 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 = 81.5 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26423

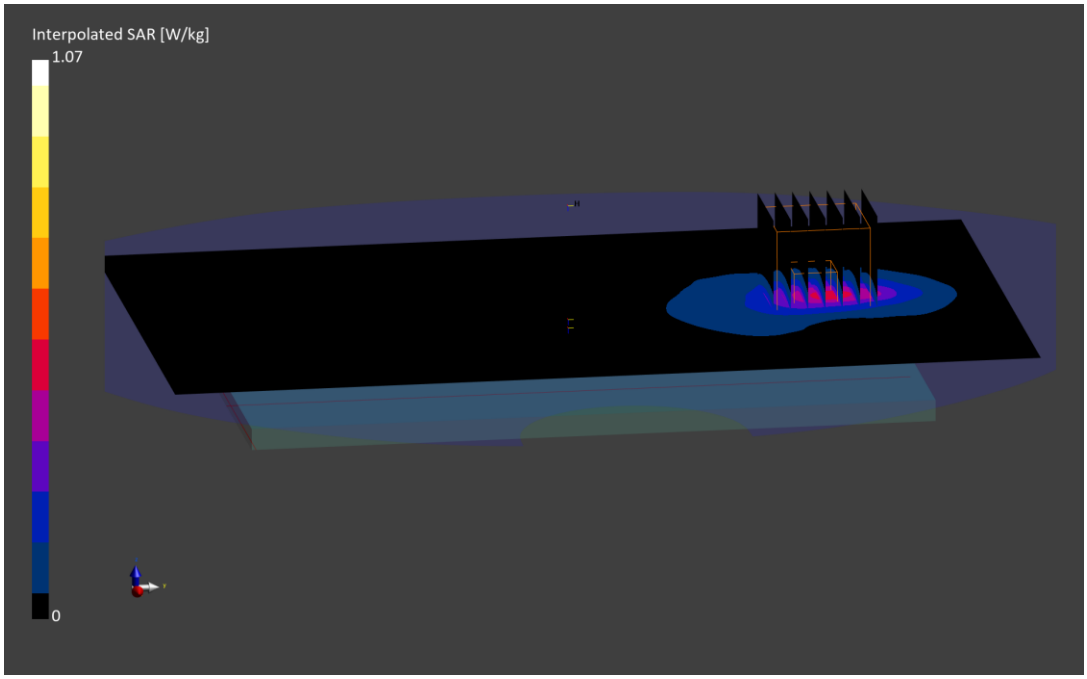
Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5280.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5280.0 MHz; cond = 4.54 S/m; perm = 35.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/27/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(5.52,5.52,5.52); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-2A, MIMO, Ch. 56, 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 = 0.29 W/kg; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.333 W/kg
Smallest distance from peaks to all points 3 dB below is 11.5 mm
Ratio of SAR at M2 to SAR at M1 = 65.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26571

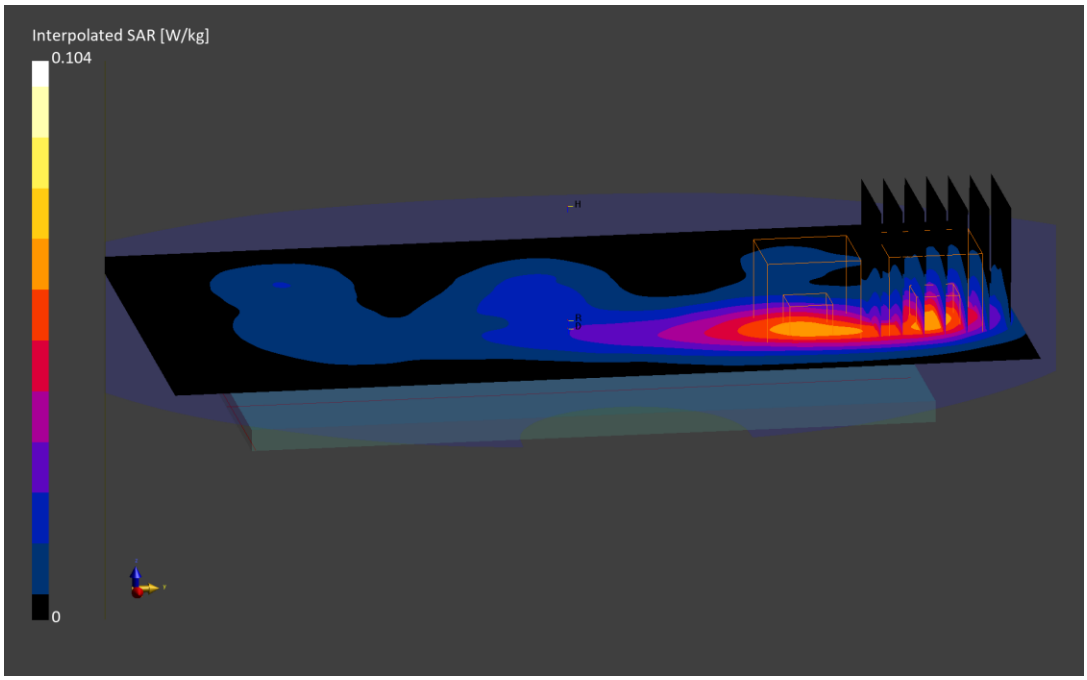
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2441.0 MHz; cond = 1.79 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/22/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
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 = 0.05 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.053 W/kg
Smallest distance from peaks to all points 3 dB below is 9.9 mm
Ratio of SAR at M2 to SAR at M1 = 80.3 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26977

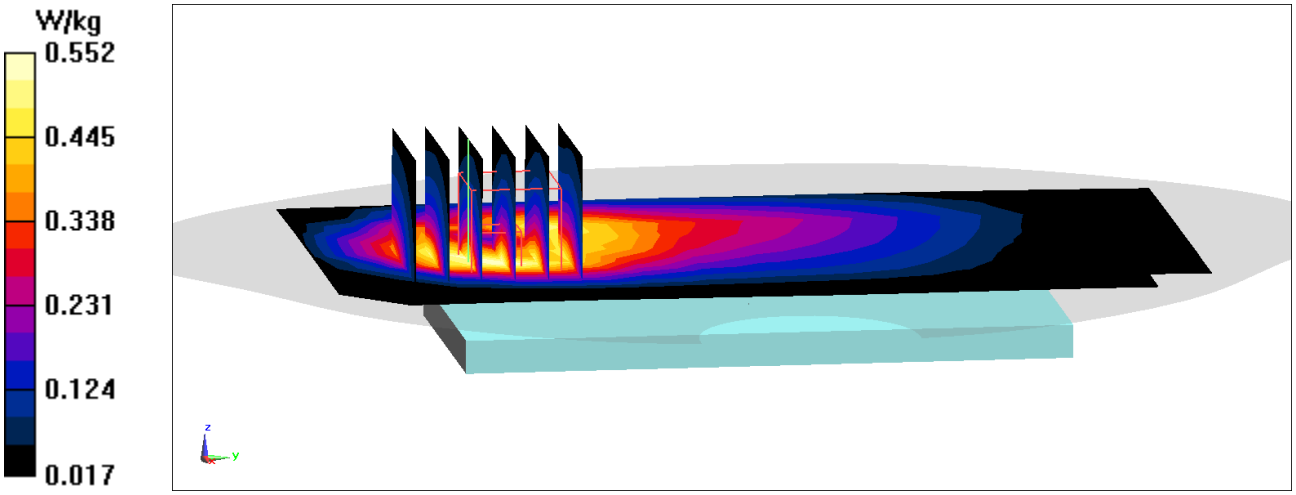
Communication System: UID 0, _GSM GPRS; 4 Tx slots; Frequency: 824.2 MHz; Duty Cycle: 1:2.076
Medium: 835 Head; Medium parameters used (interpolated):
f = 824.2 MHz; σ = 0.9 S/m; ε_r = 40.559; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/28/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 824.2 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: GPRS 850, Antenna A, Body SAR, Back side, Low.ch, 4 Tx Slots

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan 1 (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.96 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.651 W/kg
SAR(1 g) = 0.403 W/kg
Smallest distance from peaks to all points 3 dB below = 13.7 mm
Ratio of SAR at M2 to SAR at M1 = 60.7%



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

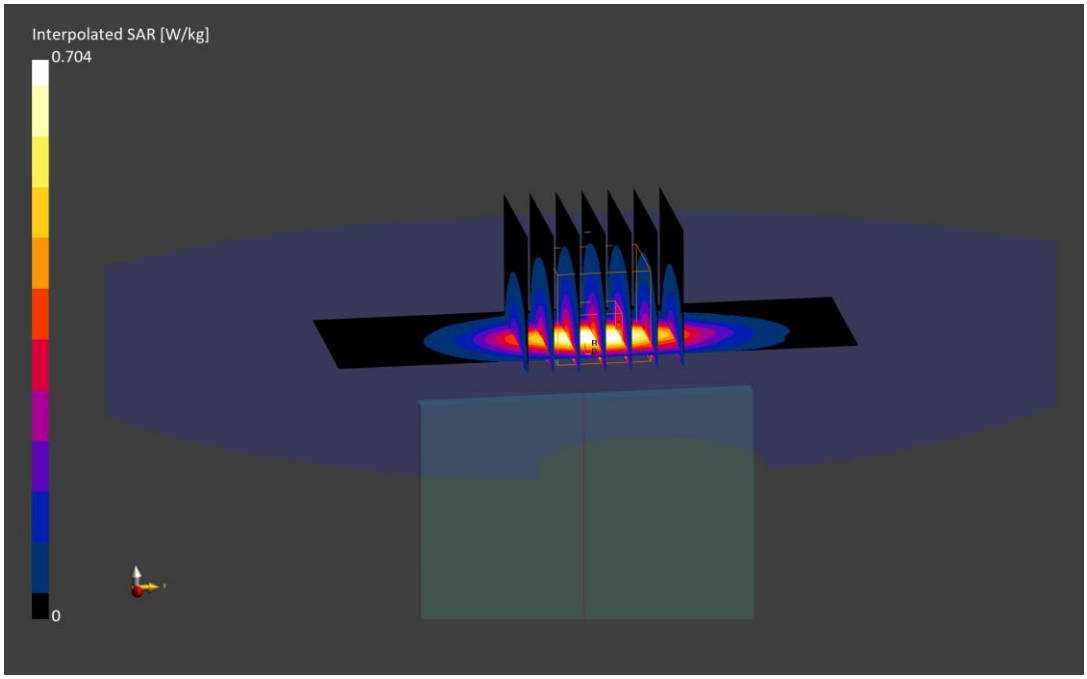
Communication System: UID:10027 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz
Medium: 1900 Head; Medium parameters used:
f = 1850.2 MHz; cond = 1.36 S/m; perm = 39.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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: GPRS 1900, Antenna A, Body SAR, Bottom Edge, Low Ch., 3 Tx Slots

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 = 0.45 W/kg; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.703 W/kg
SAR(1 g) = 0.397 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 = 83.7 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

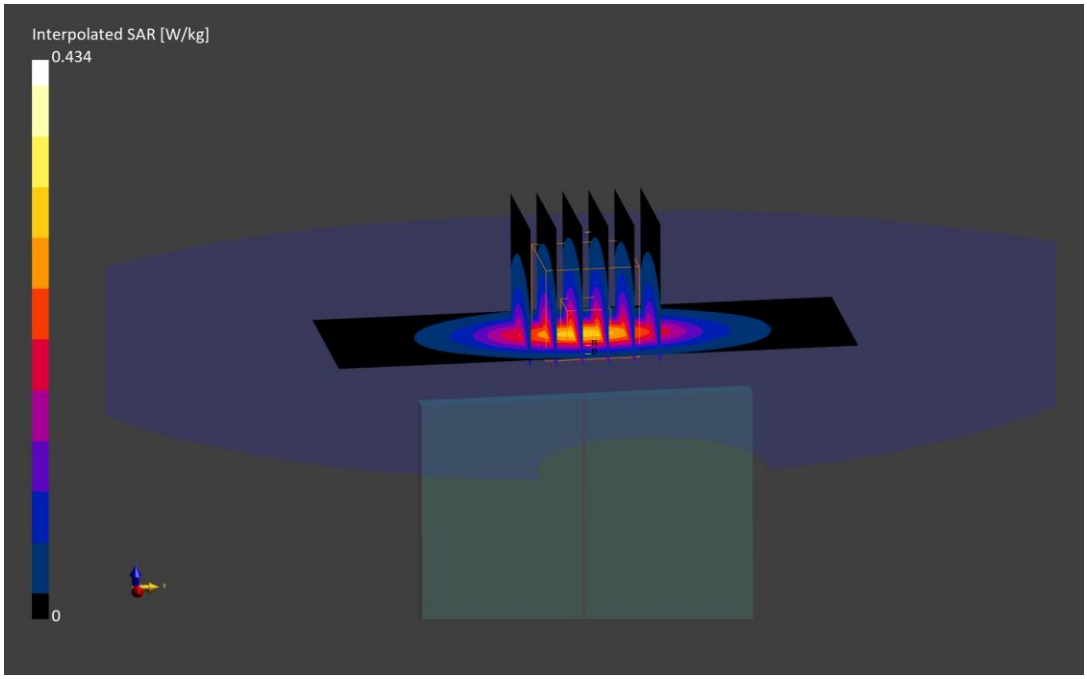
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.4 MHz; cond = 1.30 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/28/2023; Ambient Temp:23.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Body 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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.29 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.434 W/kg
SAR(1 g) = 0.247 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 = 84.0 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

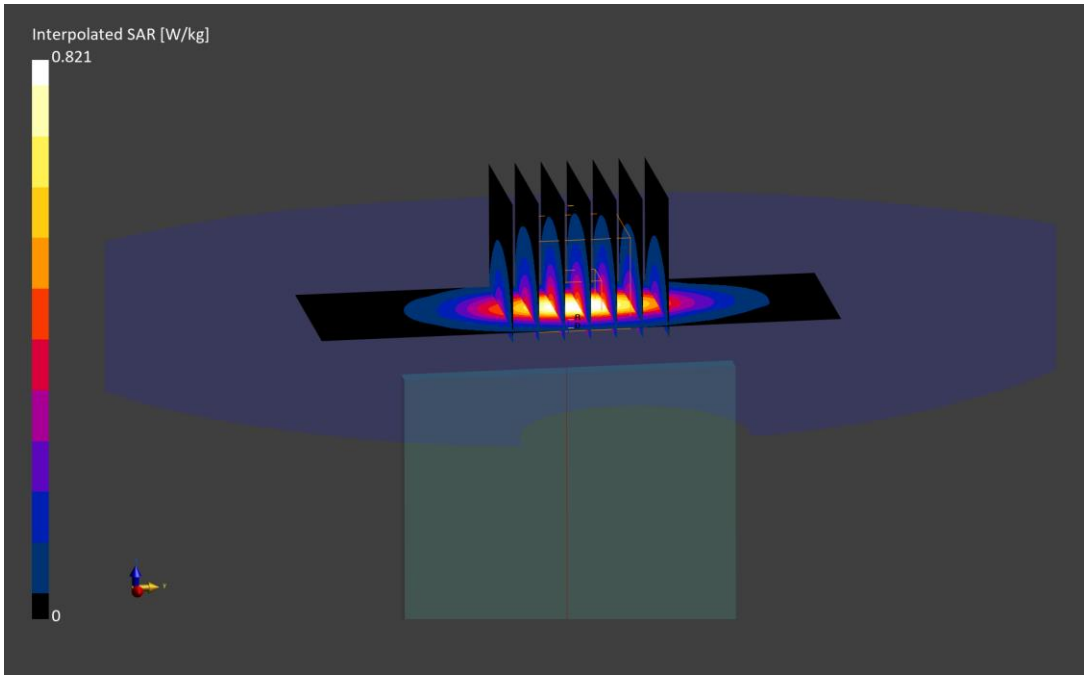
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1907.6 MHz
Medium: 1900 Head; Medium parameters used:
f = 1907.6 MHz; cond = 1.40 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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: 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 (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 = 0.00 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.456 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 = 82.3 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

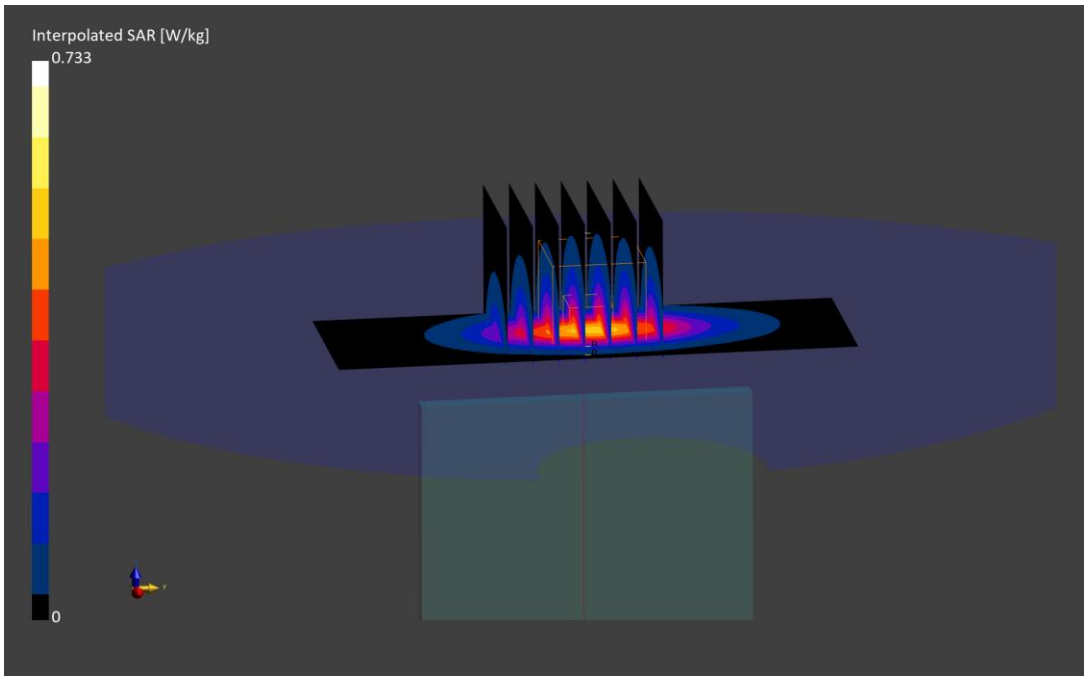
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1770.0 MHz; cond = 1.35 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/23/2023; Ambient Temp: 24.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66, Antenna A, Body SAR, Bottom Edge, High Ch., 20 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 (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 = 0.50 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.733 W/kg
SAR(1 g) = 0.417 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 = 84.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 31449

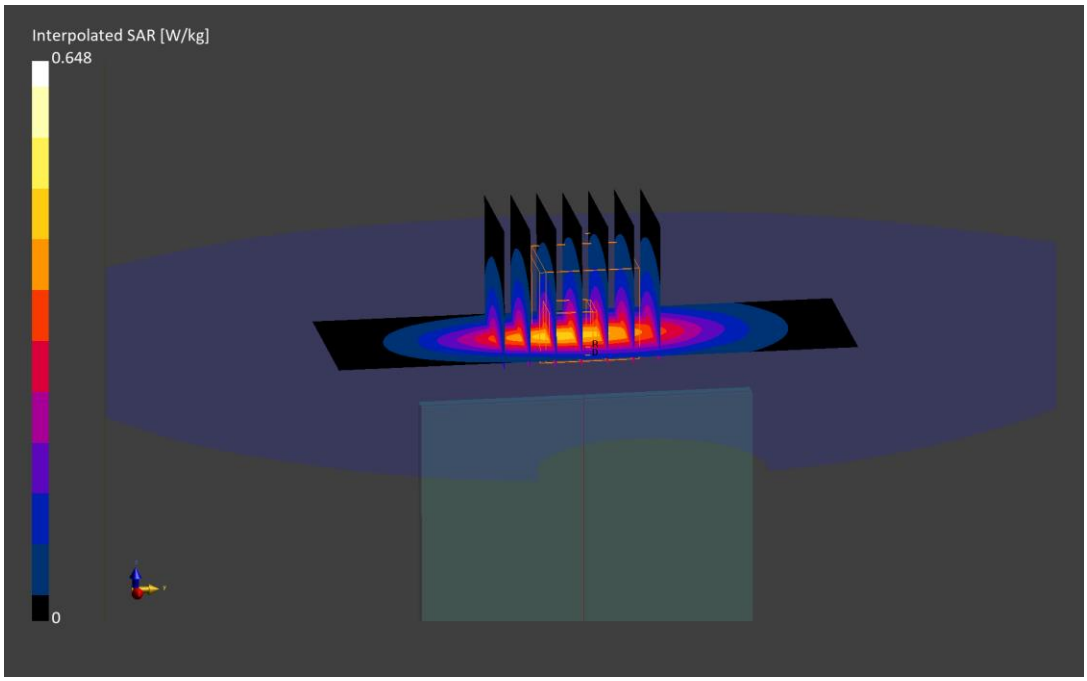
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.5 MHz; cond = 1.30 S/m; perm = 39.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/23/2023; Ambient Temp: 24.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 4, Antenna F, Body SAR, Top Edge, Mid Ch., 20 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 (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 = 0.43 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.648 W/kg
SAR(1 g) = 0.371 W/kg
Smallest distance from peaks to all points 3 dB below is 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 83.5 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

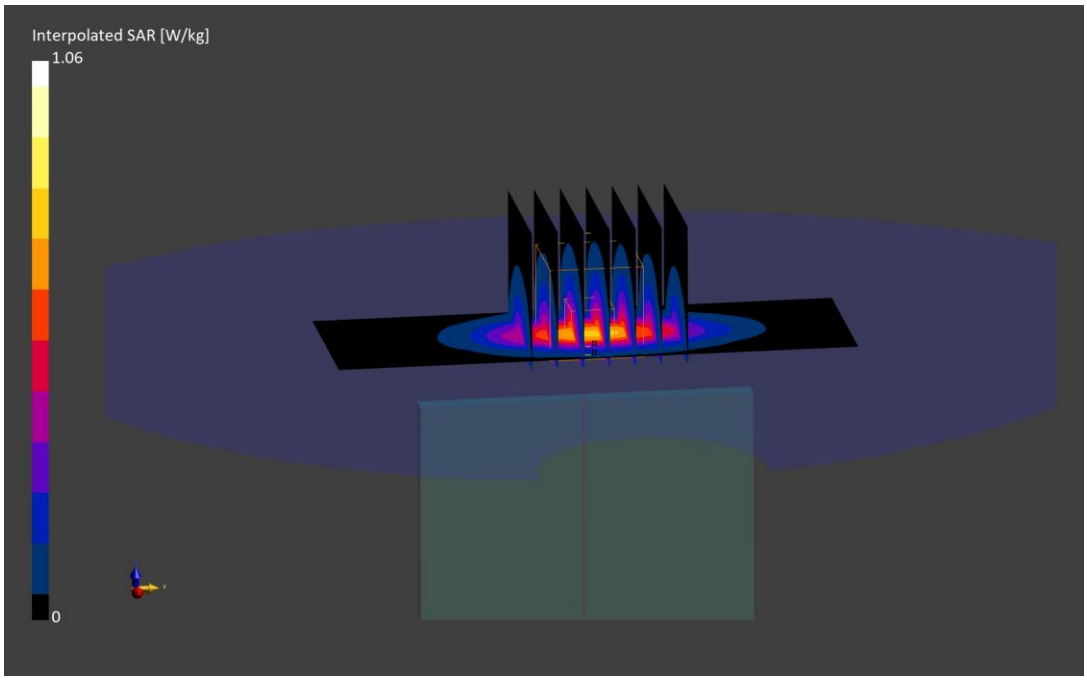
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.39 S/m; perm = 40.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/23/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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 2, Antenna A, Body SAR, Bottom Edge, High Ch., 20 MHz Bandwidth, QPSK, 50 RB, 25 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 = 0.68 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.586 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 = 82.5 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30664

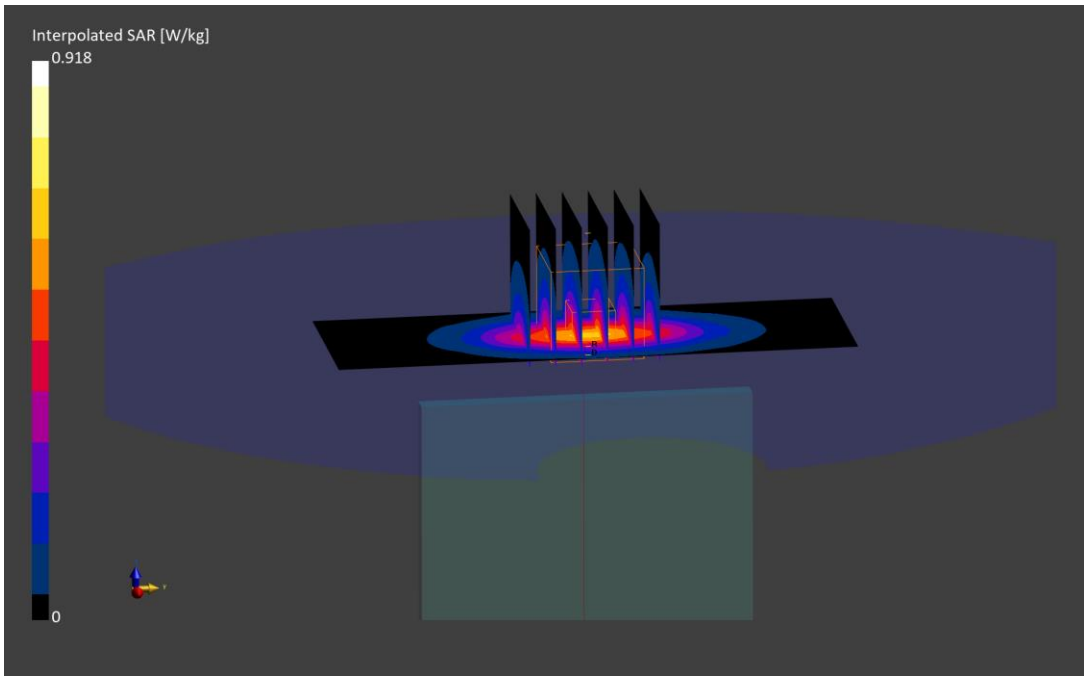
Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.33 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/06/2023; Ambient Temp: 20.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
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, 1 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 = 0.58 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.918 W/kg
SAR(1 g) = 0.510 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 = 82.4 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26910

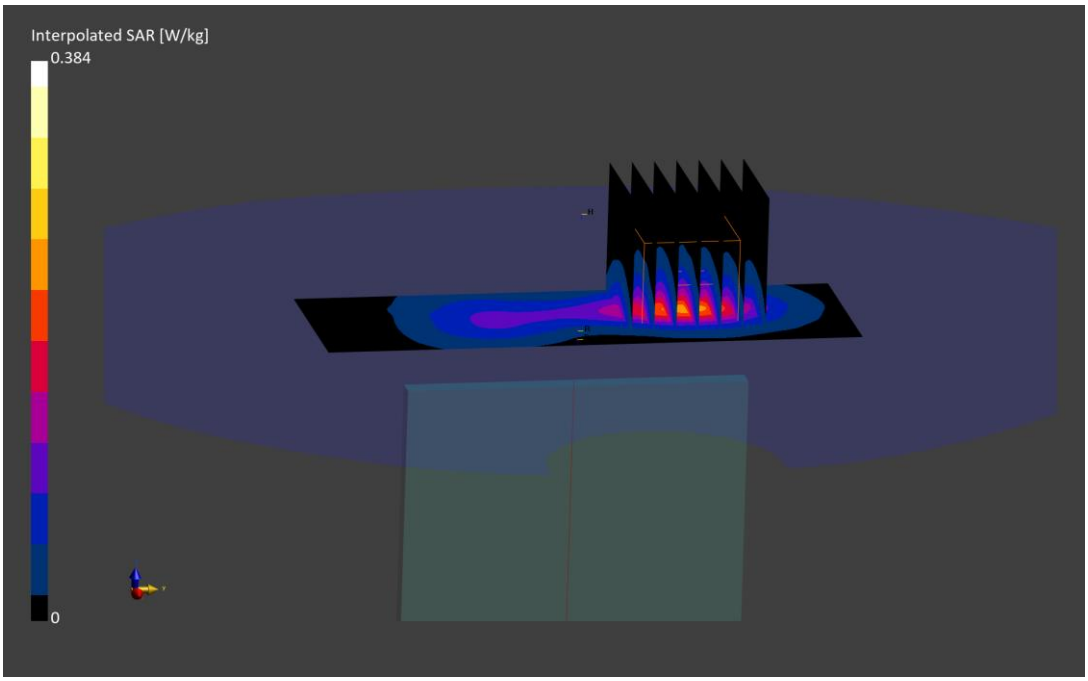
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2593.0 MHz; cond = 1.89 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/28/2023; Ambient Temp: 23.2°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3837; ConvF:(7.15,7.15,7.15); Calibrated: 2023-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n41, Antenna B, Body SAR, Bottom Edge, Ch. 518598, 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 (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 = 0.16 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.384 W/kg
SAR(1 g) = 0.178 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 = 77.4 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26423

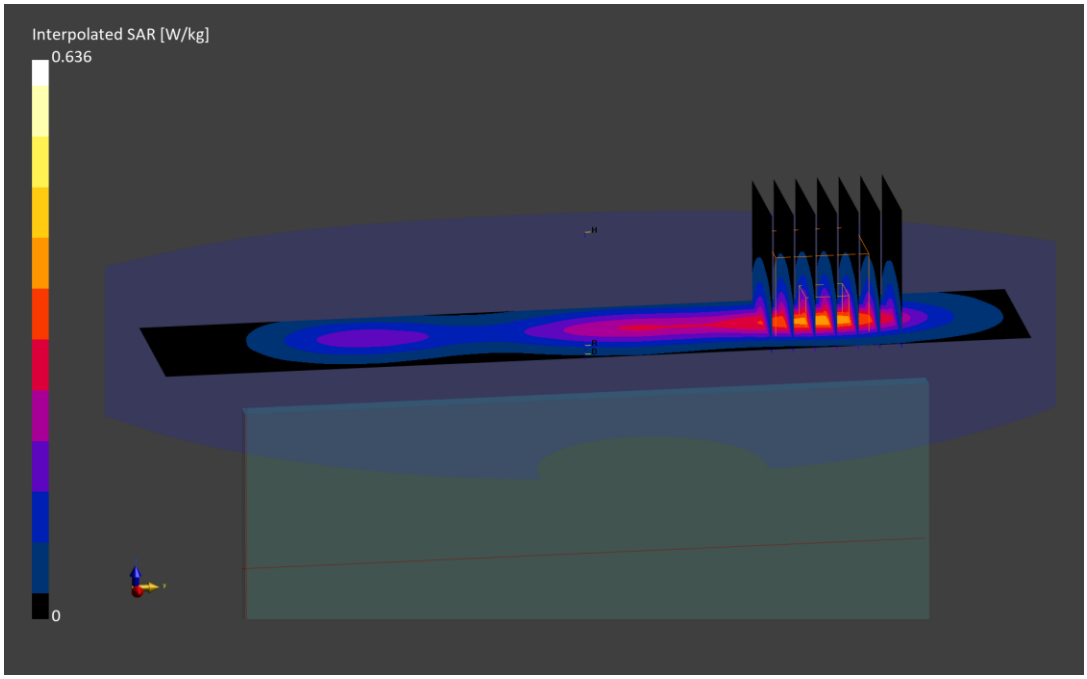
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2412.0 MHz; cond = 1.82 S/m; perm = 37.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/02/2023; Ambient Temp: 23.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
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 = 0.31 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.318 W/kg
Smallest distance from peaks to all points 3 dB below is 10.0 mm
Ratio of SAR at M2 to SAR at M1 = 79.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26423

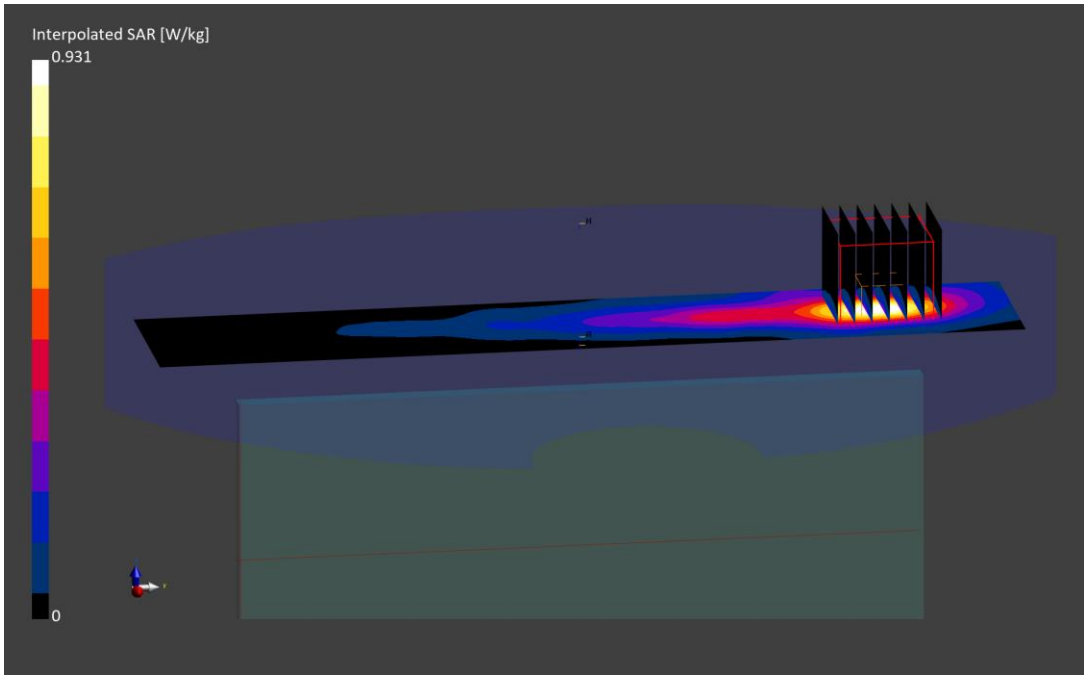
Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5785.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5785.0 MHz; cond = 5.09 S/m; perm = 34.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/27/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(4.92,4.92,4.92); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-3, MIMO, Ch. 157, Body 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=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.21 W/kg; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.931 W/kg
SAR(1 g) = 0.248 W/kg
Smallest distance from peaks to all points 3 dB below is 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 60.8 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26571

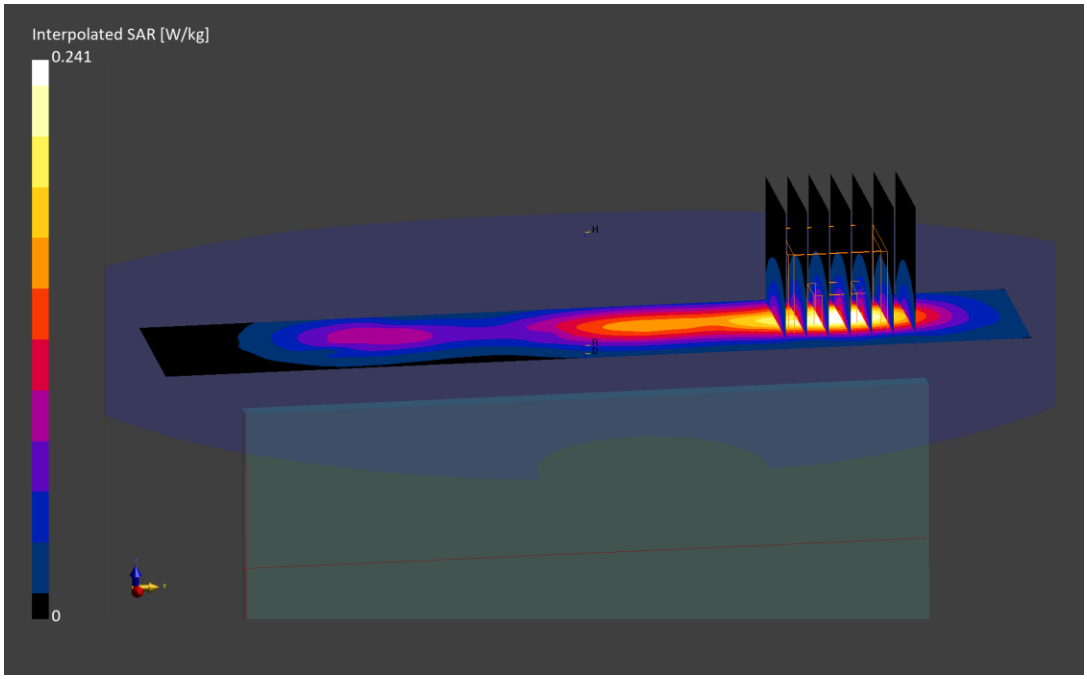
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2441.0 MHz; cond = 1.79 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/22/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
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 = 0.12 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.241 W/kg
SAR(1 g) = 0.113 W/kg
Smallest distance from peaks to all points 3 dB below is 10.0 mm
Ratio of SAR at M2 to SAR at M1 = 76.5 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

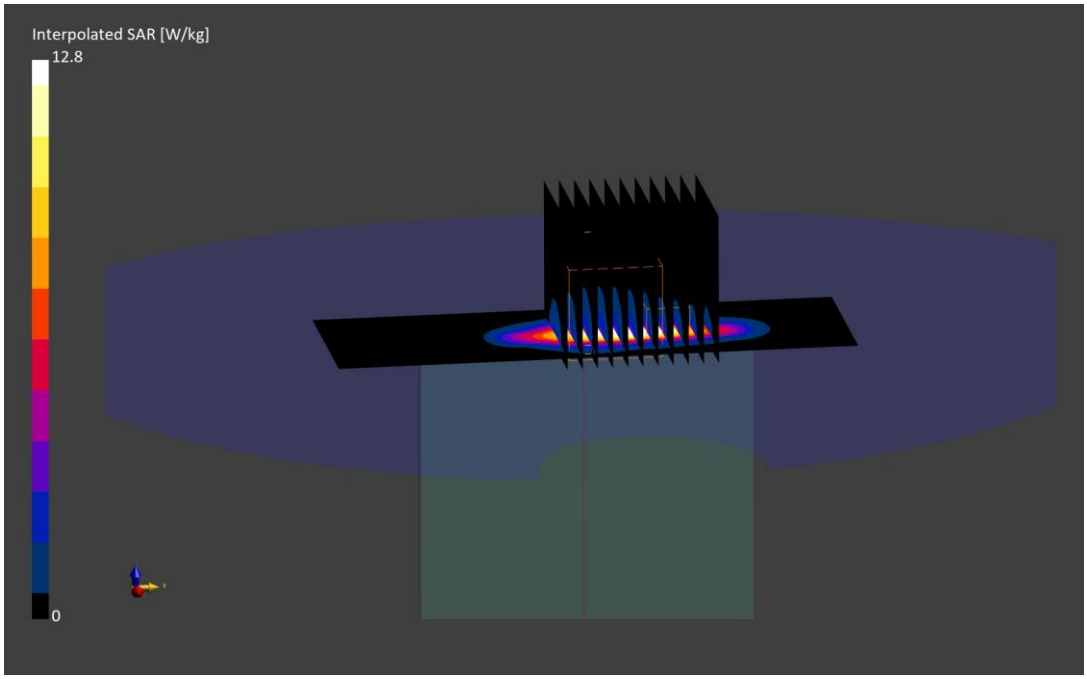
Communication System: UID:10027 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1880.0 MHz; cond = 1.38 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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: GPRS 1900, Antenna A, Phablet SAR, Bottom Edge, Mid Ch., 3 Tx Slots

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm
Zoom Scan (35.0 x 35.0 x 30.0): Measurement grid: dx=3.5 mm, dy=3.5 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 4.10 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 12.8 W/kg
SAR(10 g) = 1.40 W/kg
Smallest distance from peaks to all points 3 dB below is 4.7 mm
Ratio of SAR at M2 to SAR at M1 = 62.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

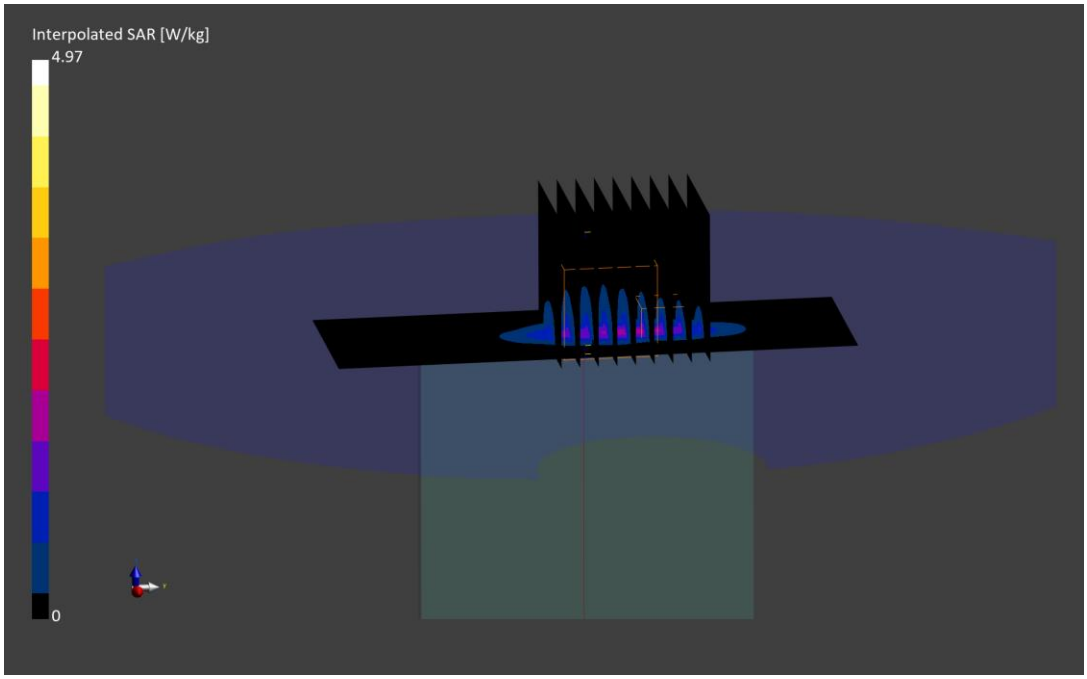
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1880.0 MHz; cond = 1.38 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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: 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 (34.4 x 34.4 x 30.0): Measurement grid: dx=4.3 mm, dy=4.3 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 1.55 W/kg; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 4.97 W/kg
SAR(10 g) = 0.542 W/kg
Smallest distance from peaks to all points 3 dB below is 4.4 mm
Ratio of SAR at M2 to SAR at M1 = 60.7 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

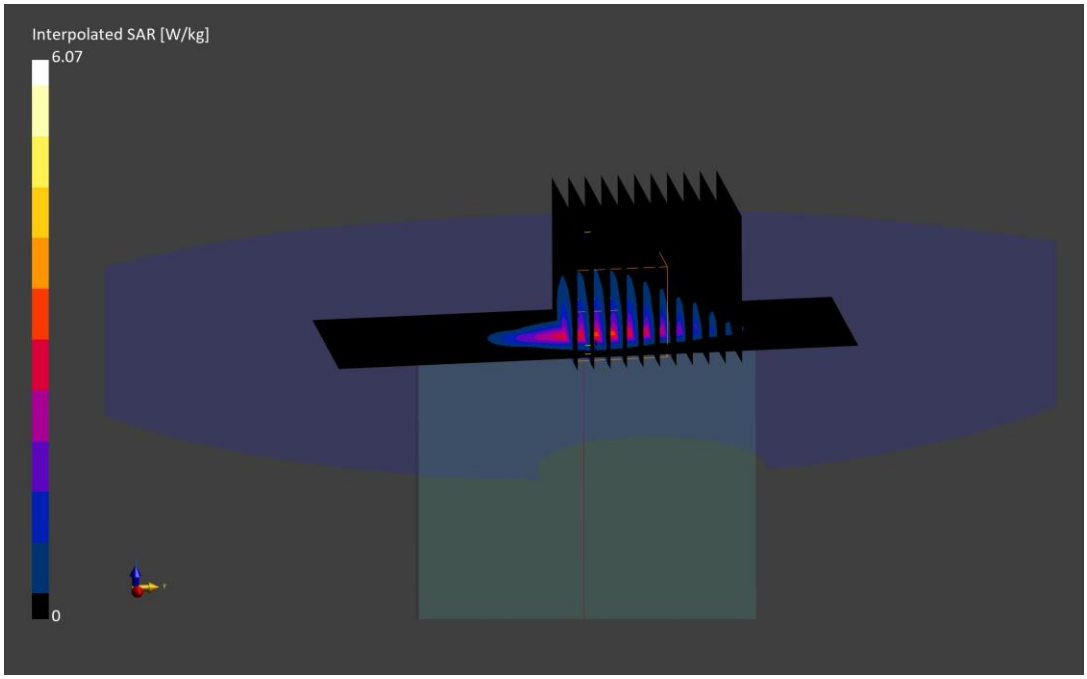
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1770.0 MHz; cond = 1.39 S/m; perm = 39.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/17/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66, Antenna A, Phablet SAR, Bottom Edge, High Ch., 20 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 (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 = 2.57 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.07 W/kg
SAR(10 g) = 0.996 W/kg
Smallest distance from peaks to all points 3 dB below is 6.5 mm
Ratio of SAR at M2 to SAR at M1 = 68.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30995

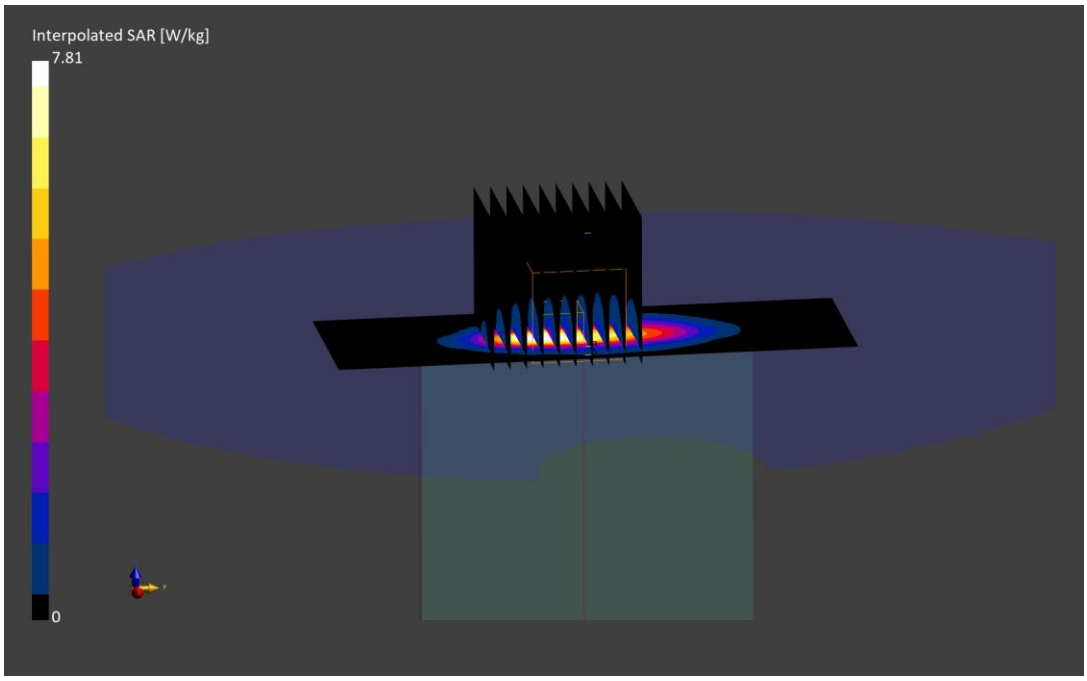
Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.5 MHz; cond = 1.32 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/06/2023; Ambient Temp: 20.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 4, Antenna F, Phablet SAR, Top 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=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 = 2.67 W/kg; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 7.81 W/kg
SAR(10 g) = 0.836 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 = 64.4 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30995

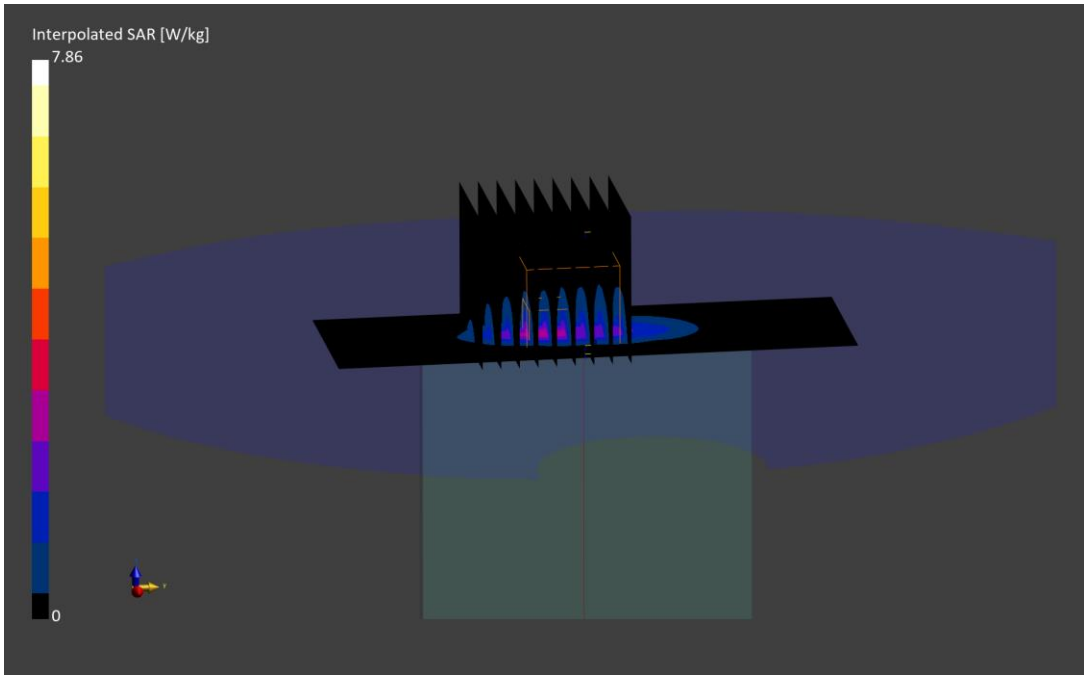
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.38 S/m; perm = 38.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/21/2023; Ambient Temp: 22.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); 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 2, Antenna F, Phablet SAR, Top Edge, High Ch., 20 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 (34.4 x 34.4 x 30.0): Measurement grid: dx=4.3 mm, dy=4.3 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 2.87 W/kg; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 7.86 W/kg
SAR(10 g) = 0.955 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 = 65.8 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30664

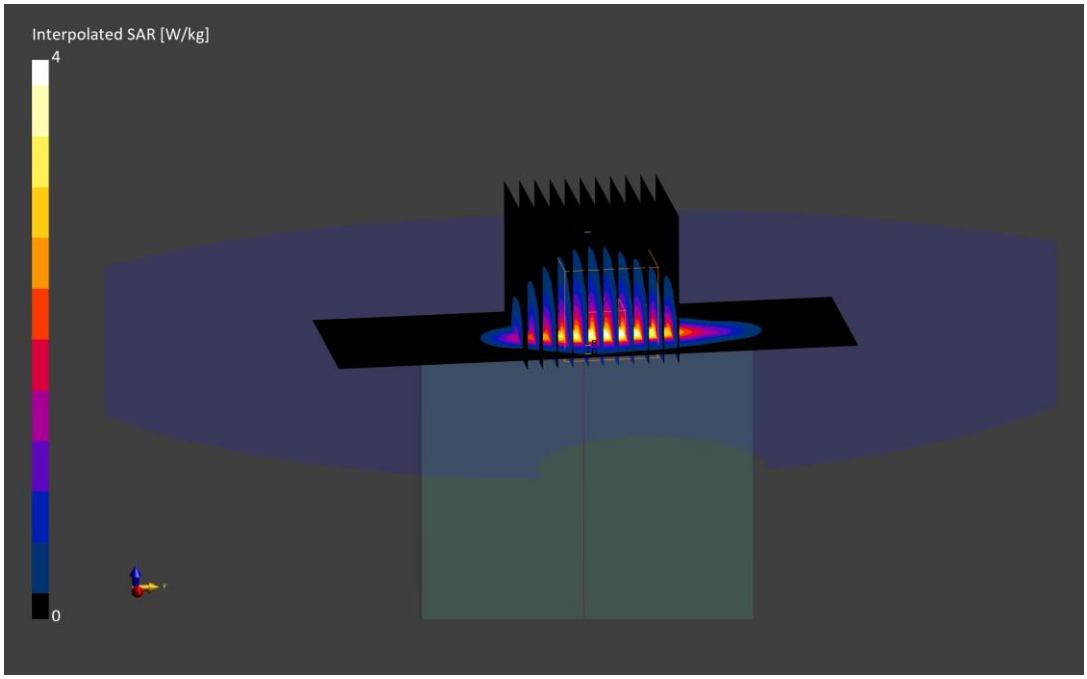
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.33 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/06/2023; Ambient Temp: 20.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
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=5.0 mm, dy=15.0 mm
Zoom Scan (35.0 x 35.0 x 30.0): Measurement grid: dx=3.5 mm, dy=3.5 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 2.22 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 9.10 W/kg
SAR(10 g) = 0.843 W/kg
Smallest distance from peaks to all points 3 dB below is 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 57.1 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26910

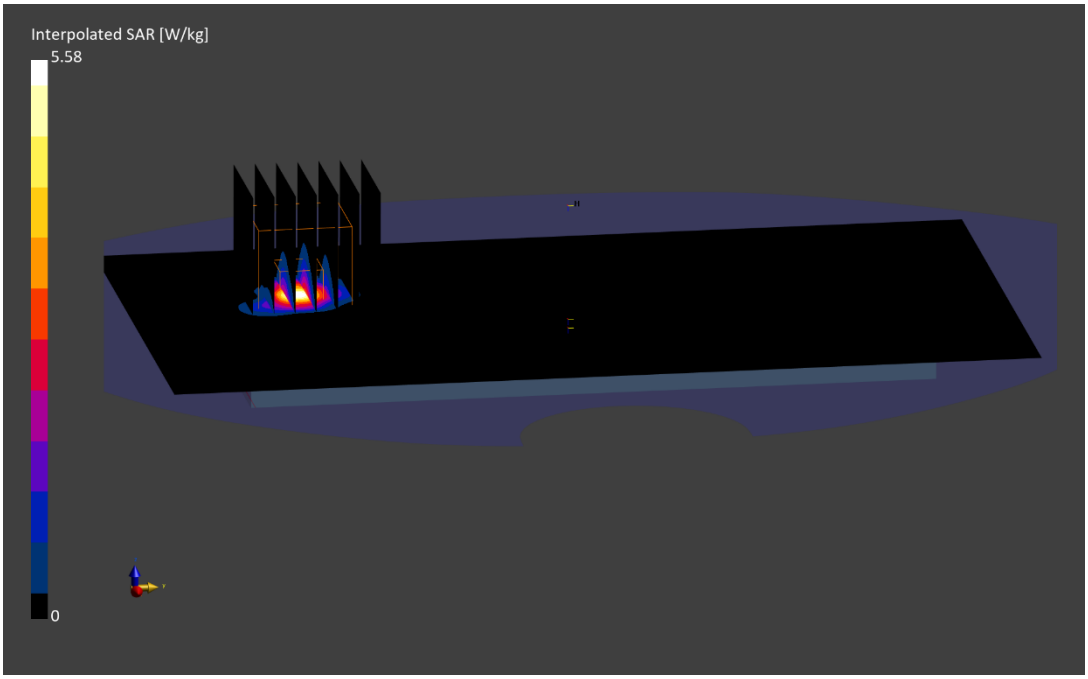
Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.78 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/27/2023; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3837; ConvF:(6.82,6.82,6.82); Calibrated: 2023-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77 DoD, Antenna D, Phablet SAR, Back Side, Ch. 633334, 100 MHz Bandwidth, CW/SRS

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=4.9 mm, dy=4.9 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 1.98 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.58 W/kg
SAR(10 g) = 0.652 W/kg
Smallest distance from peaks to all points 3 dB below is 6.9 mm
Ratio of SAR at M2 to SAR at M1 = 79.8 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26423

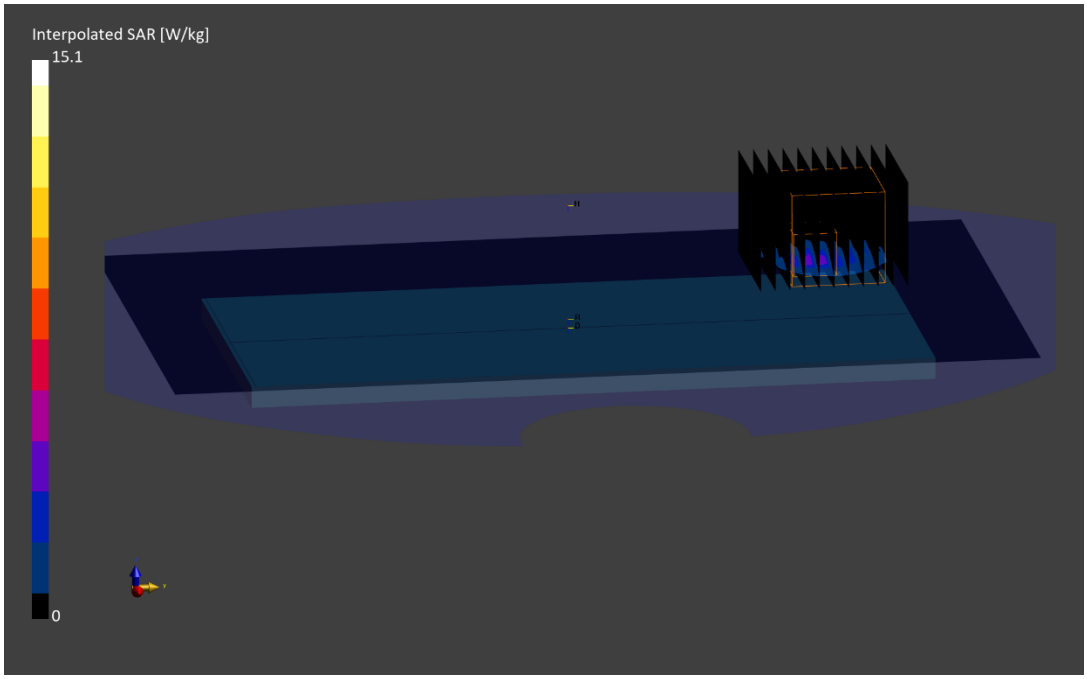
Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5280.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5280.0 MHz; cond = 4.54 S/m; perm = 35.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/27/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(5.52,5.52,5.52); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-2A, MIMO, Ch. 56, Phablet SAR, Front 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=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 1.11 W/kg; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(10 g) = 1.06 W/kg
Smallest distance from peaks to all points 3 dB below is 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.8 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 26571

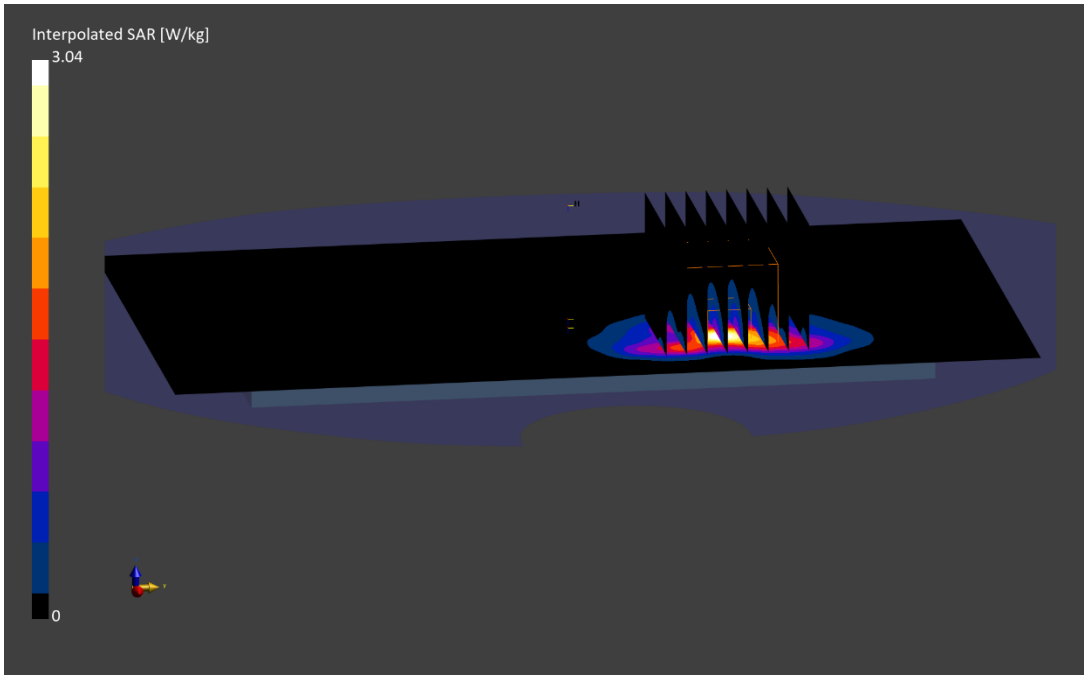
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2402.0 MHz; cond = 1.76 S/m; perm = 39.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/22/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 2, Body SAR, Ch. 0, 1Mbps, Front 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=4.7 mm, dy=4.7 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.95 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(10 g) = 0.362 W/kg
Smallest distance from peaks to all points 3 dB below is 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 62.7 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30771

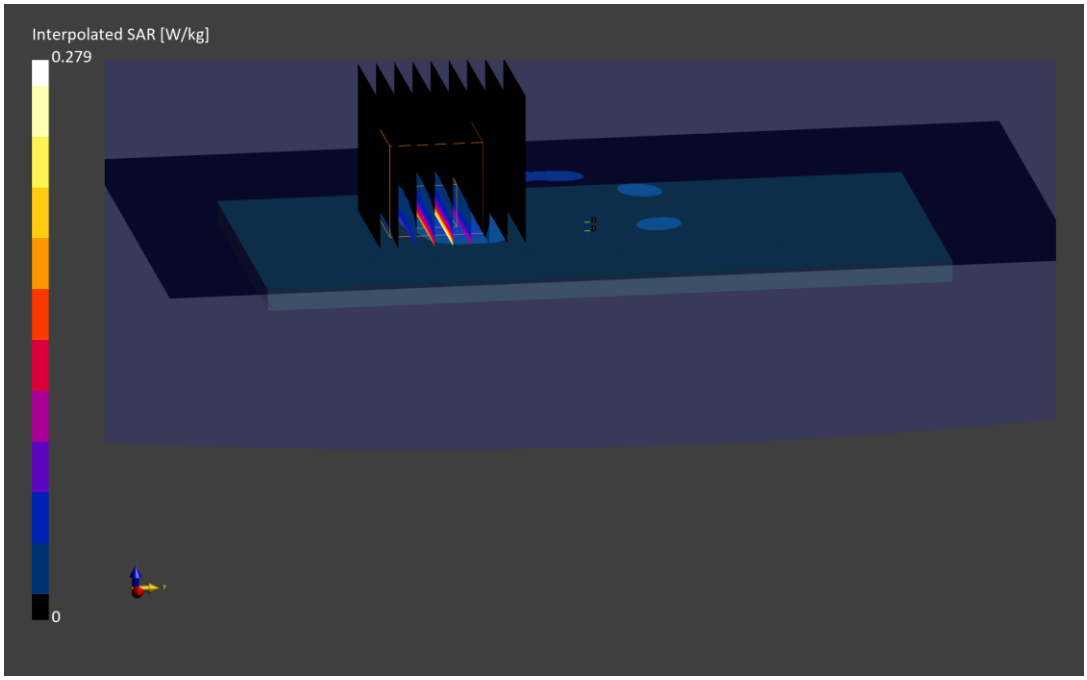
Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz
Medium: 30 Head; Medium parameters used:
f = 13.6 MHz; cond = 0.717 S/m; perm = 52.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/06/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7417; ConvF:(18.67,18.67,18.67); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: ELI V8.0 (20deg probe tilt); 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=4.2 mm, dy=4.2 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.08 W/kg; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(10 g) = 0.028 W/kg
Smallest distance from peaks to all points 3 dB below is 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 58.8 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

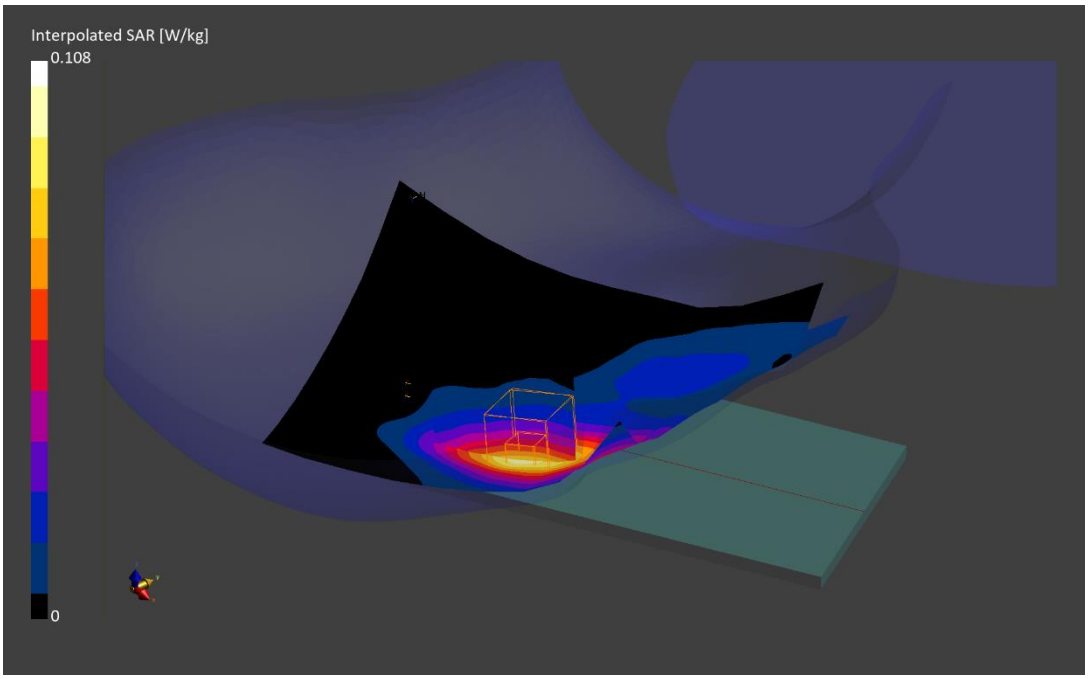
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.4 MHz; cond = 1.33 S/m; perm = 39.6; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/27/2023; Ambient Temp: 21.0°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

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

Zoom Scan (48.0 x 48.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.08 W/kg; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.108 W/kg
SAR(1 g) = 0.072 W/kg
Smallest distance from peaks to all points 3 dB below is 16.4 mm
Ratio of SAR at M2 to SAR at M1 = 89.9 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

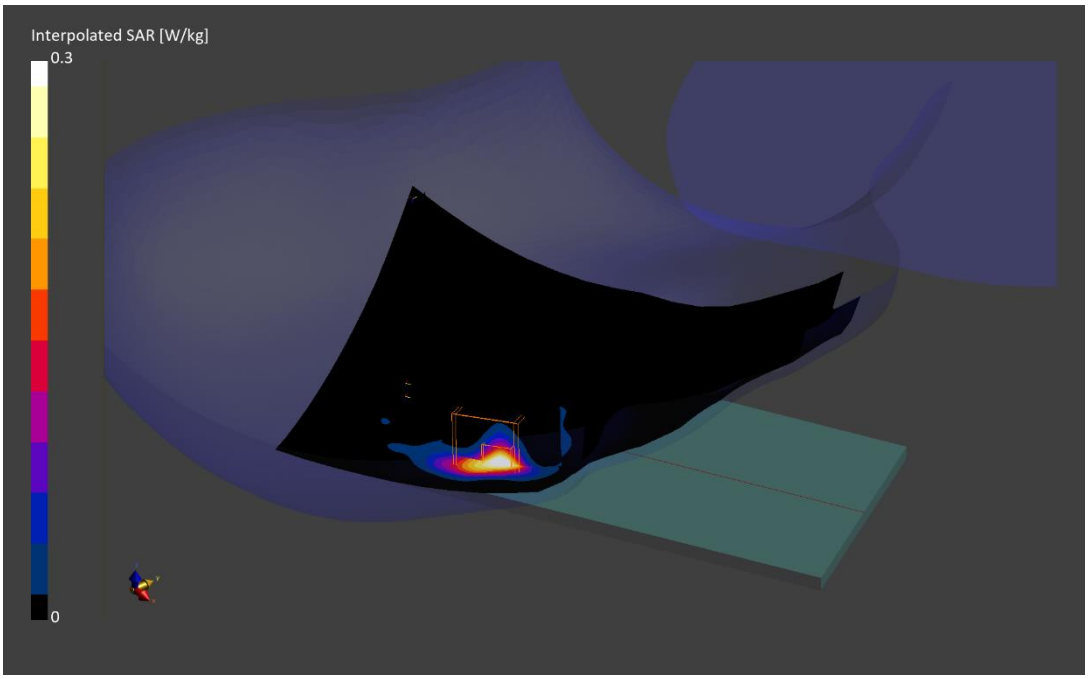
Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.83 S/m; perm = 38.1; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/27/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7638; ConvF:(7.02,7.02,7.02); Calibrated: 2023-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77 DoD, Antenna I, Right Head, Cheek, Ch. 633334, 100 MHz Bandwidth, CW/SRS

Zoom Scan (40.0 x 40.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.47 W/kg; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.675 W/kg
SAR(1 g) = 0.272 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 = 81.8 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 31449

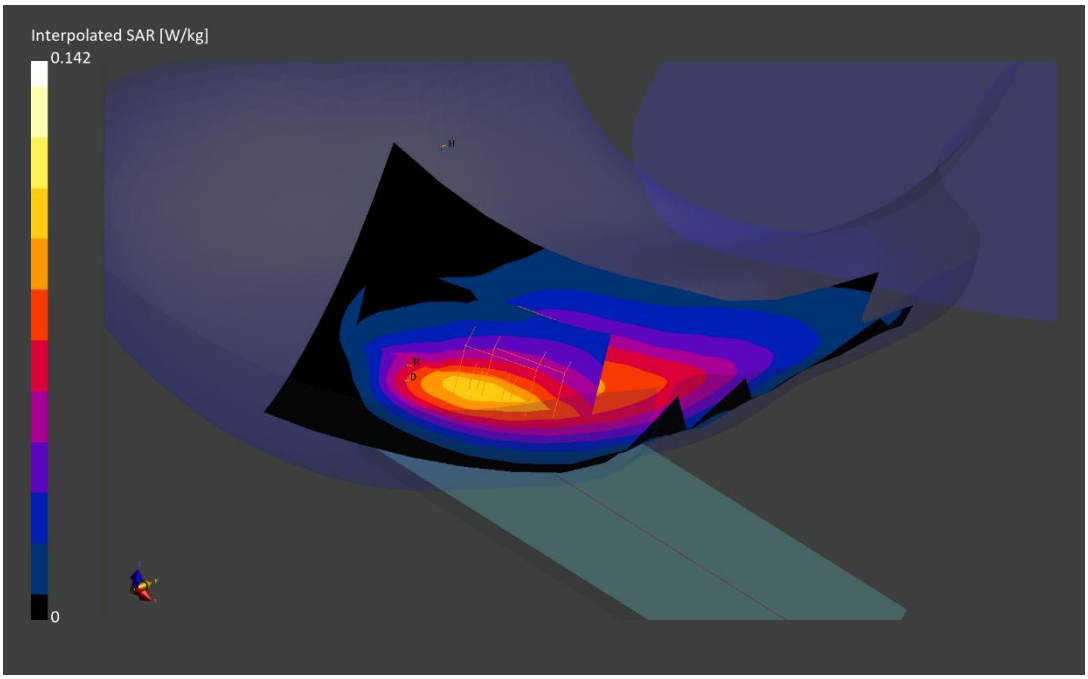
Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz
Medium: 750 Head; Medium parameters used:
f = 782.0 MHz; cond = 0.893 S/m; perm = 41.8; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/30/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7570; ConvF:(10.29,10.29,10.29); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 13, Antenna A, Right Head, Tilt, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Zoom Scan (72.0 x 72.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.10 W/kg; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.142 W/kg
SAR(1 g) = 0.096 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 = 86.0 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30995

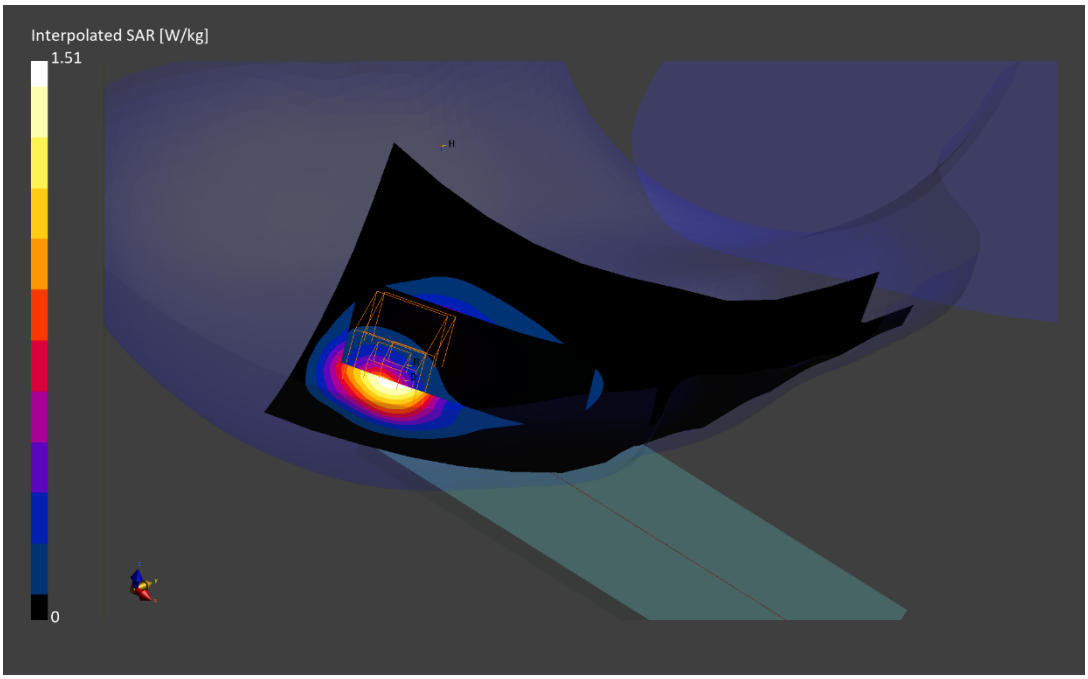
Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.33 S/m; perm = 39.9; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 08/06/2023; Ambient Temp: 20.6°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7570; ConvF:(8.6,8.6,8.6); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna F, Right Head, Tilt, Ch. 349000, 40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset

Zoom Scan (72.0 x 72.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.62 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.706 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 = 79.7 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30920

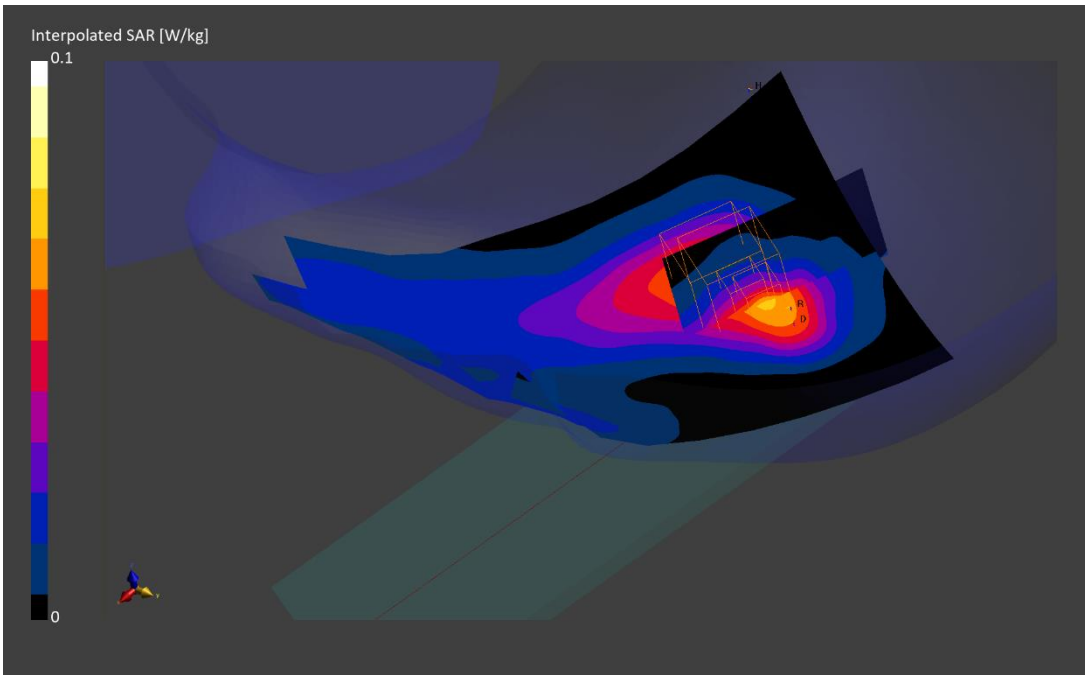
Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.44 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 07/31/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7409; ConvF:(8.2,8.2,8.2); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 2, Antenna A, Left Head, Tilt, High Ch, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Zoom Scan (60.0 x 60.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.06 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.095 W/kg
SAR(1 g) = 0.058 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 = 86.0 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30904

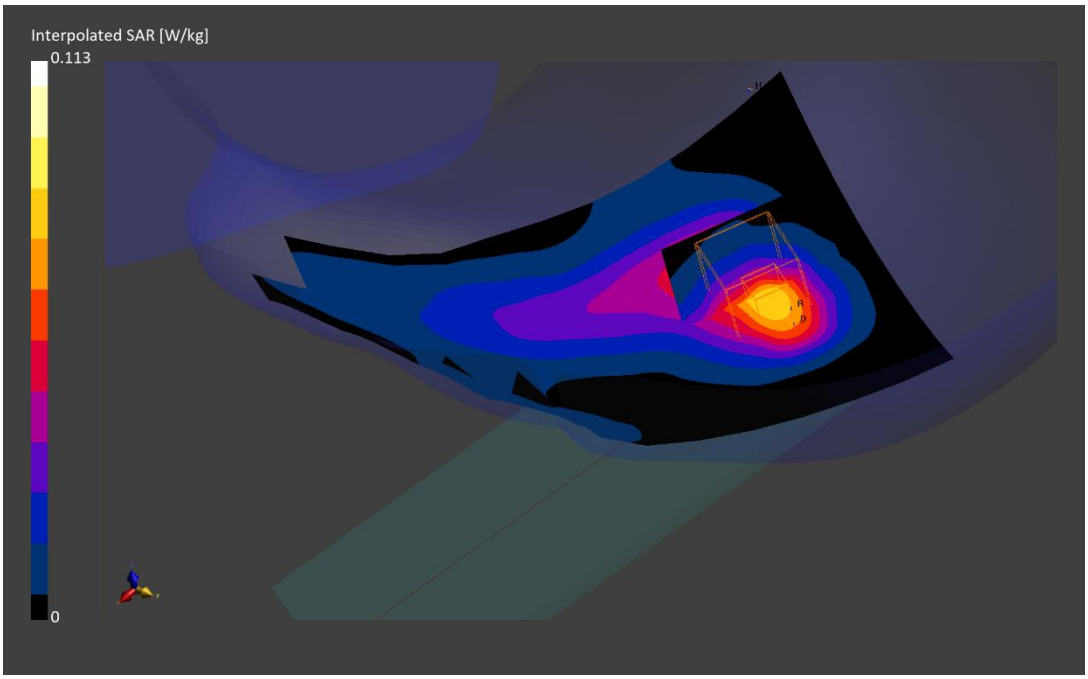
Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.39 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 07/27/2023; Ambient Temp: 21.0°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna A, Left Head, Tilt, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 108 RB Offset

Zoom Scan (48.0 x 48.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.07 W/kg; Power Drift = 0.40 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.069 W/kg
Smallest distance from peaks to all points 3 dB below is 11.5 mm
Ratio of SAR at M2 to SAR at M1 = 85.0 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset; Serial: 30904

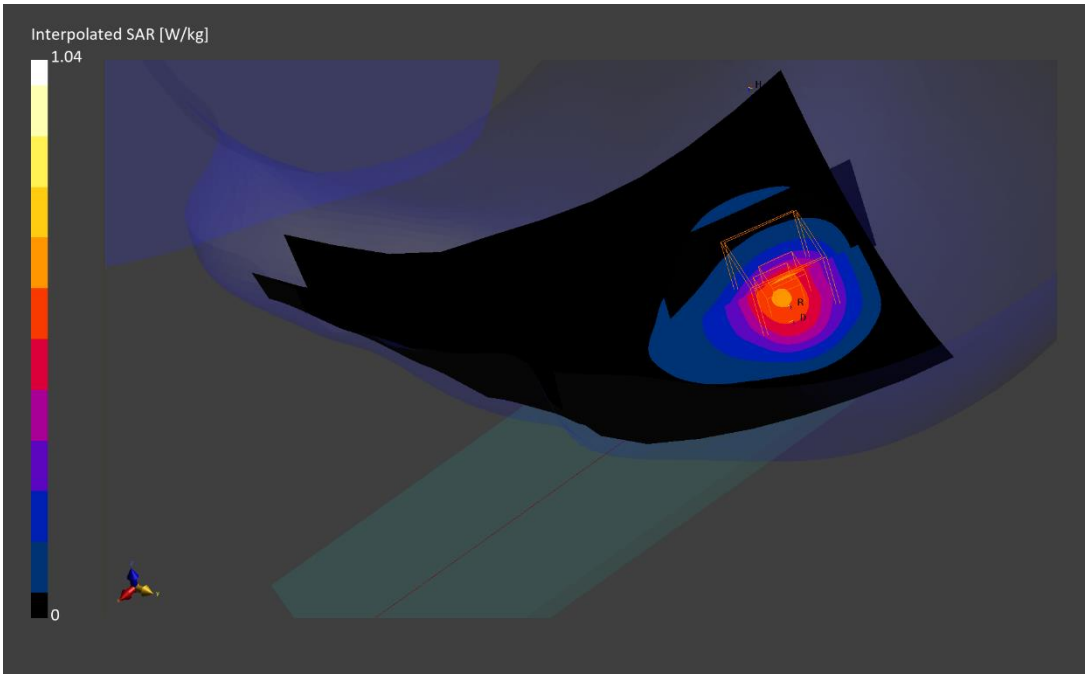
Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.35 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 07/31/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n66, Antenna F, Left Head, Tilt, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 0 RB Offset

Zoom Scan (60.0 x 60.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.61 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.567 W/kg
Smallest distance from peaks to all points 3 dB below is 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 81.7 %



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset

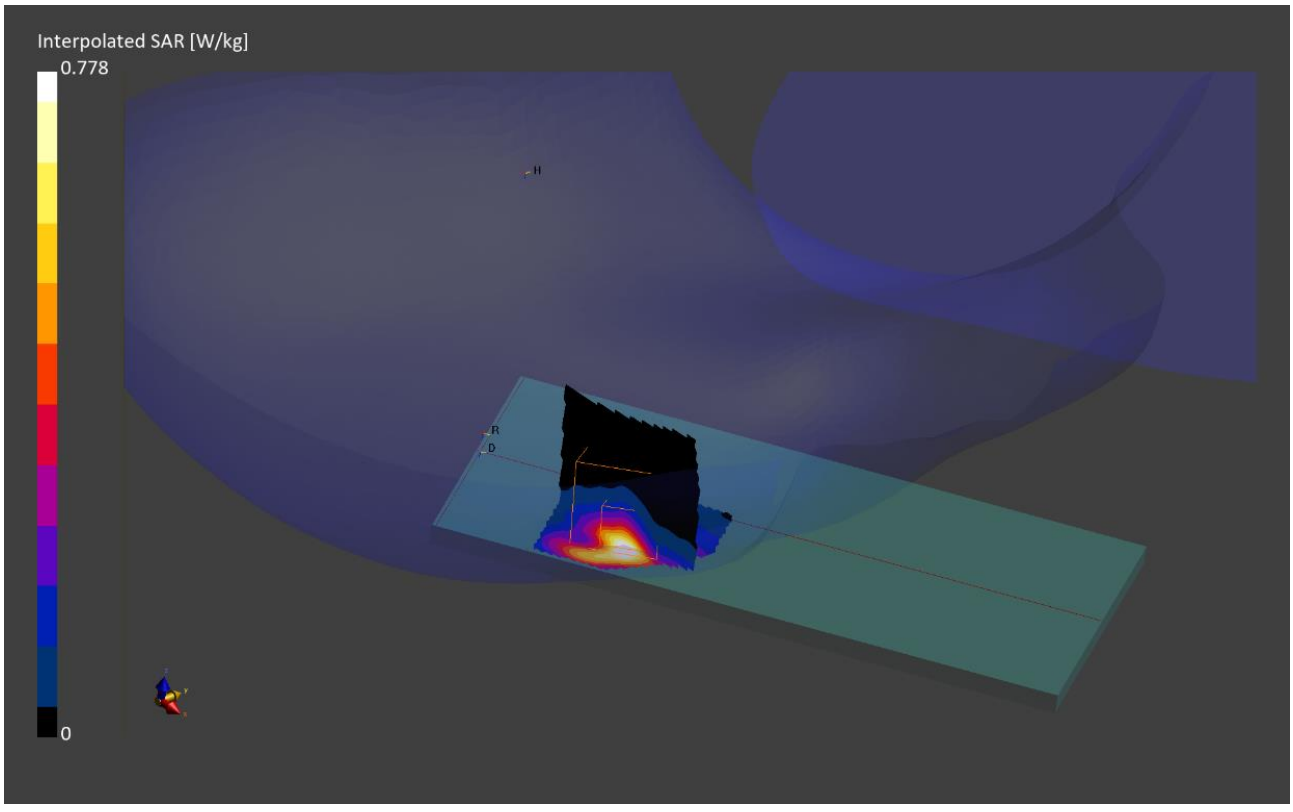
Mode: UMTS 1750, Antenna A, Right Head, Cheek, Mid Ch., Scaling Factor: 1.327

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz
Medium: 1750 Head; Medium parameters used:
f = 1732.4 MHz; cond = 1.33 S/m; perm = 39.6; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Mode: NR Band n77 DoD, Antenna I, Right Head, Cheek, Ch. 633334, 100 MHz Bandwidth, CW/SRS, Scaling Factor: 1.194

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.83 S/m; perm = 38.1; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Multi-Band Result:
SAR(1 g) = 0.433 W/kg



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset

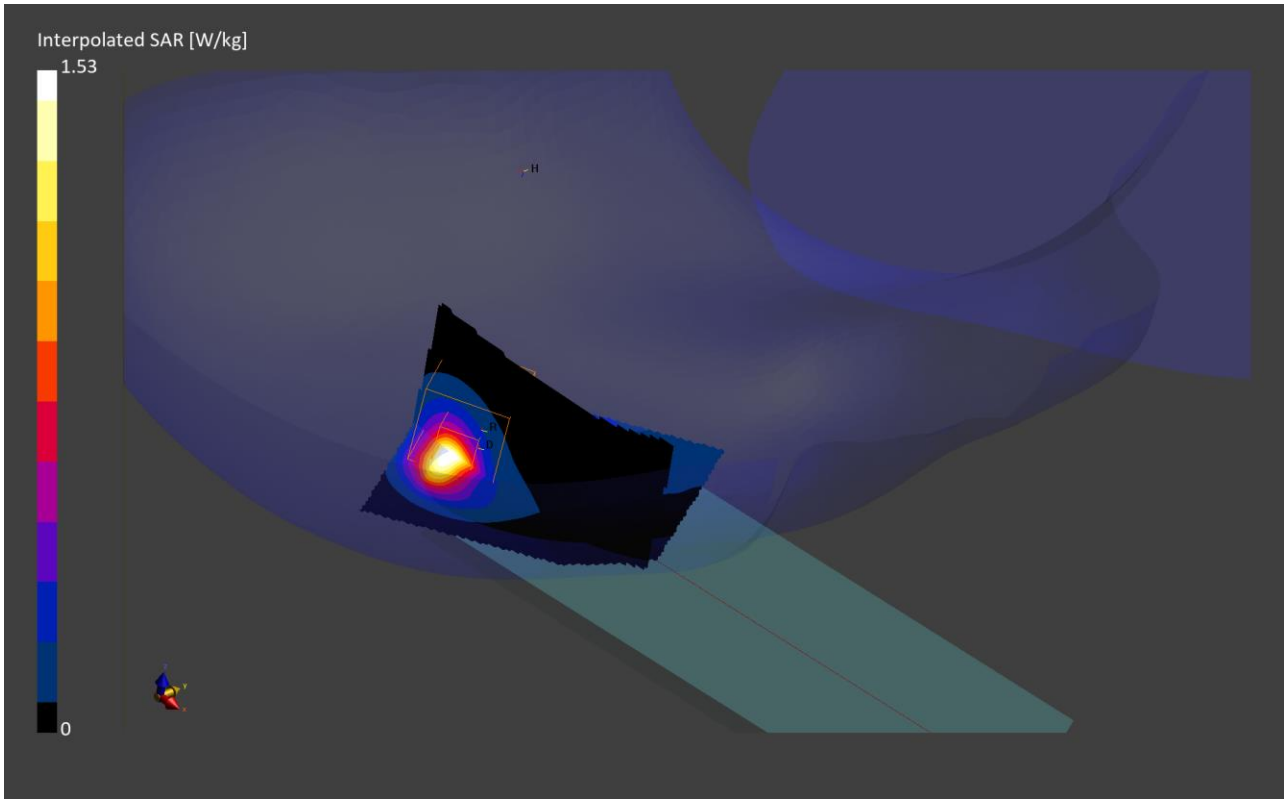
Mode: LTE Band 13, Antenna A, Right Head, Tilt, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset, Scaling Factor: 1.265

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz
Medium: 750 Head; Medium parameters used:
f = 782.0 MHz; cond = 0.893 S/m; perm = 41.8; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Mode: NR Band n66, Antenna F, Right Head, Tilt, Ch. 349000, 40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset, Scaling Factor: 1.282

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.33 S/m; perm = 39.9; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Multi-Band Result:
SAR(1 g) = 0.954 W/kg



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset

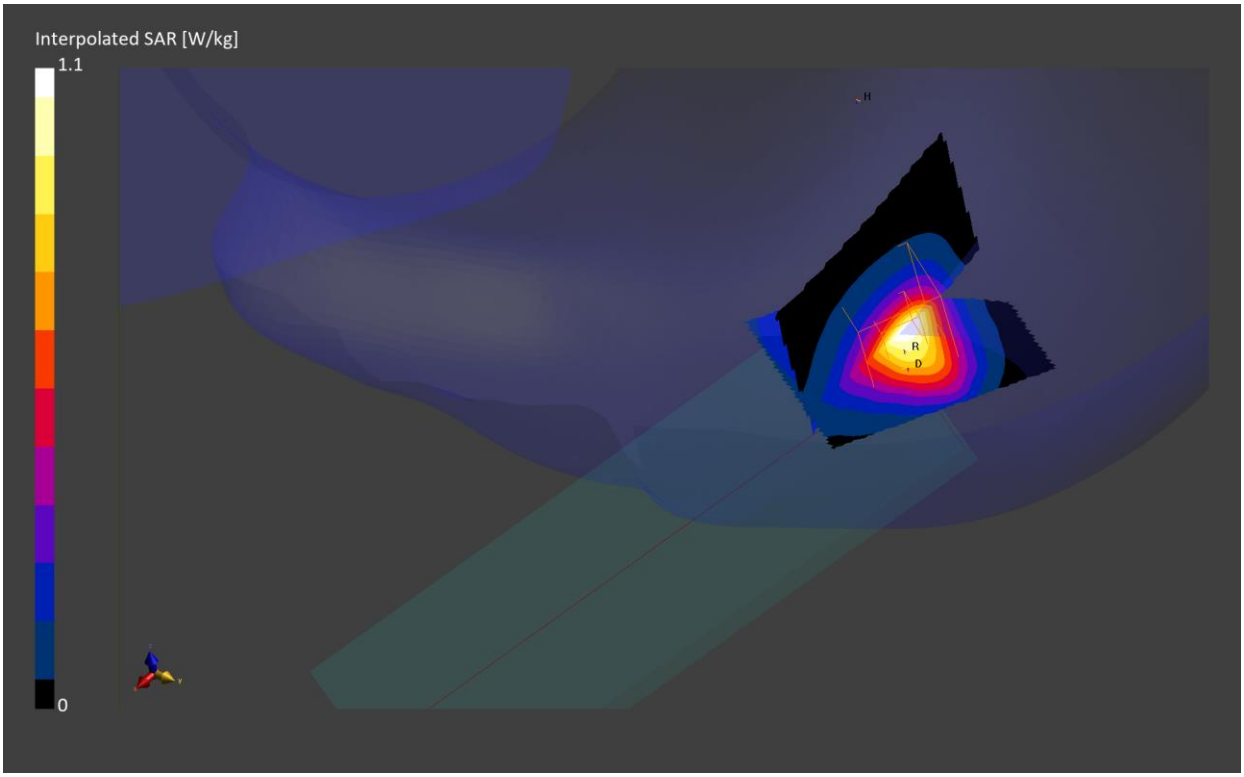
Mode: LTE Band 2, Antenna A, Left Head, Tilt, High Ch, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset, Scaling Factor: 1.211

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.44 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Mode: NR Band n66, Antenna F, Left Head, Tilt, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 0 RB Offset, Scaling Factor: 1.271

Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.35 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Multi-Band Result:
SAR(1 g) = 0.774 W/kg



ELEMENT

DUT: A3LSMS711B; Type: Portable Handset

Mode: NR Band n66, Antenna A, Left Head, Tilt, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 108 RB Offset, Scaling Factor: 1.312

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.39 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Mode: NR Band n66, Antenna F, Left Head, Tilt, Ch. 349000, 40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 0 RB Offset, Scaling Factor: 1.271

Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1745.0 MHz; cond = 1.39 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Multi-Band Result:
SAR(1 g) = 0.792 W/kg