# APPENDIX A: SAR TEST PLOTS

# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1060M

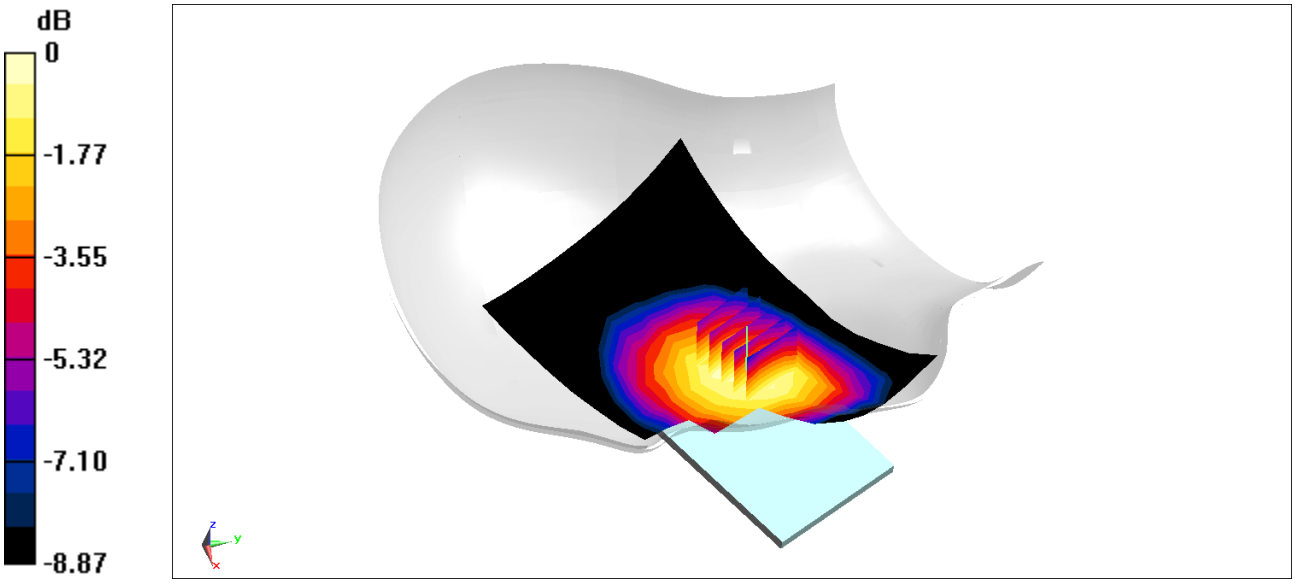
Communication System: UID 0, GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 848.8 MHz; $\sigma$ = 0.874 S/m; $\varepsilon_r$ = 41.141; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section;

Test Date: 12/19/2022; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7491; ConvF(9.85, 9.85, 9.85) @ 848.8 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
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: GSM 850, Right Head, Cheek, High.ch

**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.19 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.182 W/kg
**SAR(1 g) = 0.145 W/kg**
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 80.5%




0 dB = 0.170 W/kg = -7.70 dBW/kg

# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1046M

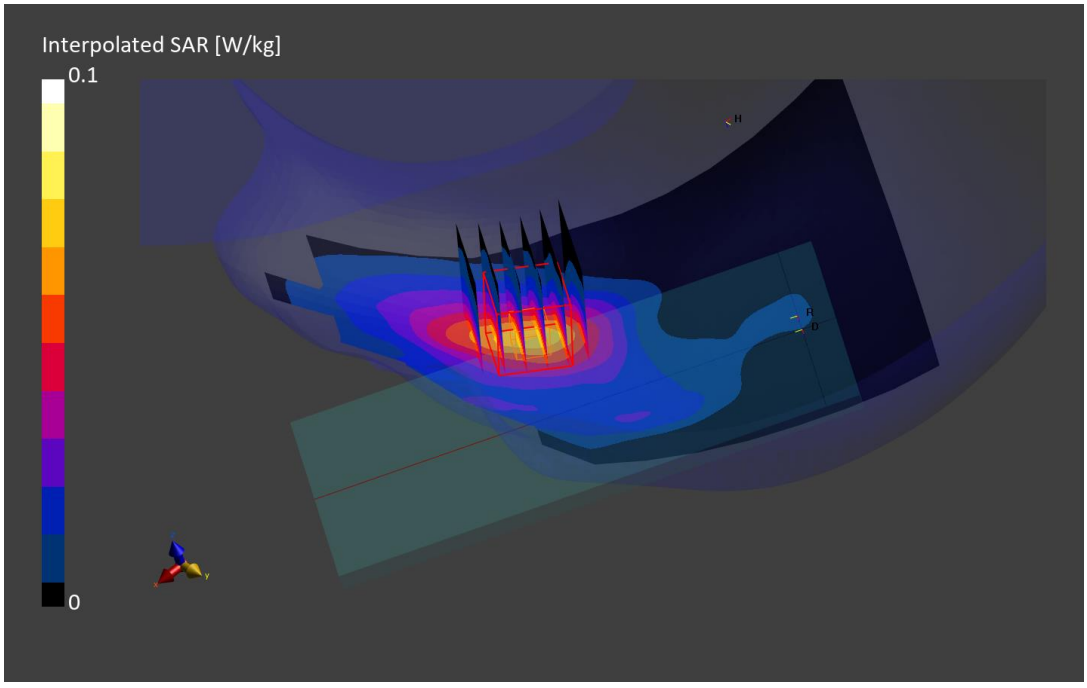
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz
Medium: 1900 Head; Medium parameters used:
f = 1850.2 MHz; cond = 1.40 S/m; perm = 41.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 12/19/2022; Ambient Temp: 18.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7409; ConvF:(8.13,8.13,8.13); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: GSM 1900, Left Head, Cheek, Low Ch.

**Area Scan (120.0 x 210.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.06 W/kg; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.094 W/kg
**SAR(1 g) = 0.063 W/kg**
Smallest distance from peaks to all points 3 dB below is 13.4 mm
Ratio of SAR at M2 to SAR at M1 = 88.8 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1060M

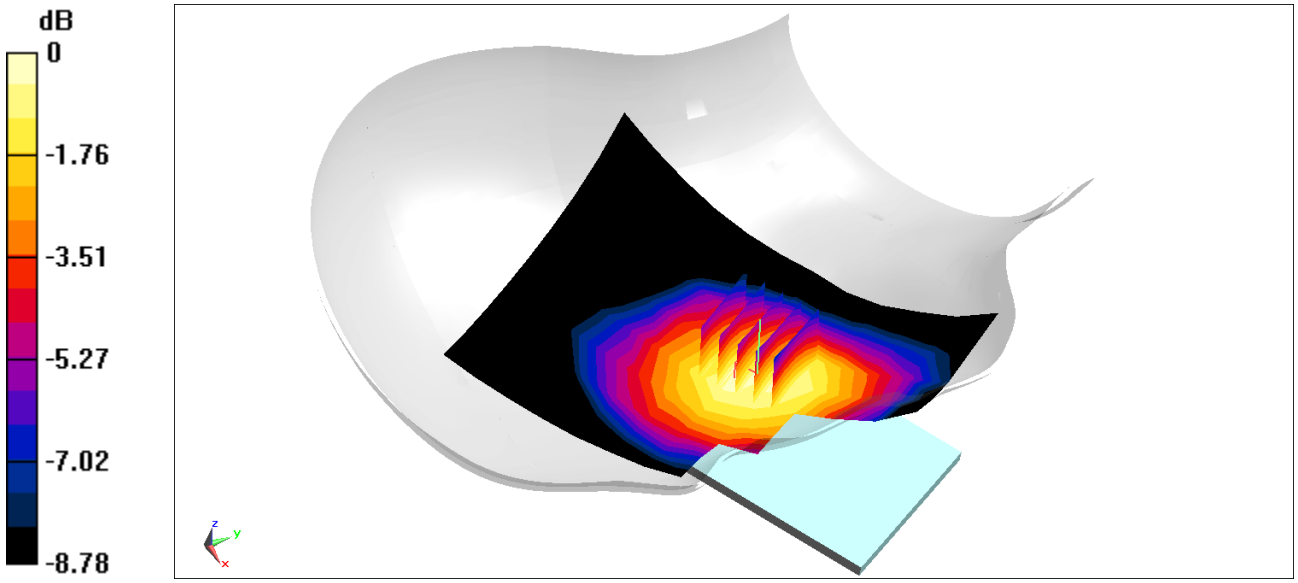
Communication System: UID 0, UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 826.4 MHz; $\sigma$ = 0.911 S/m; $\varepsilon_r$ = 42.157; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section;

Test Date: 01/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7491; ConvF(9.85, 9.85, 9.85) @ 826.4 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
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: UMTS 850, Right Head, Cheek, Low.ch

**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.87 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.353 W/kg
**SAR(1 g) = 0.280 W/kg**
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 80.3%




0 dB = 0.329 W/kg = -4.83 dBW/kg

# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1060M

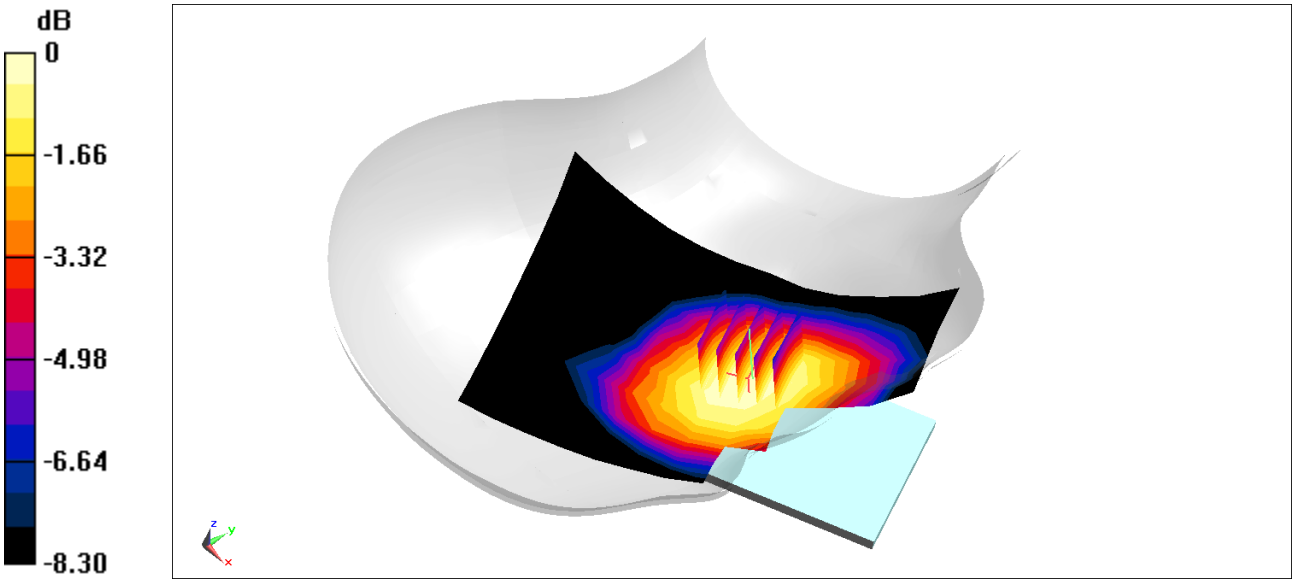
Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 707.5 MHz; $\sigma$ = 0.872 S/m; $\varepsilon_r$ = 41.922; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section;

Test Date: 12/20/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.3°C

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

## Mode: LTE Band 12, Right Head, Cheek, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 49 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 = 13.43 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.179 W/kg
**SAR(1 g) = 0.145 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 = 81.2%




0 dB = 0.166 W/kg = -7.80 dBW/kg

# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1060M

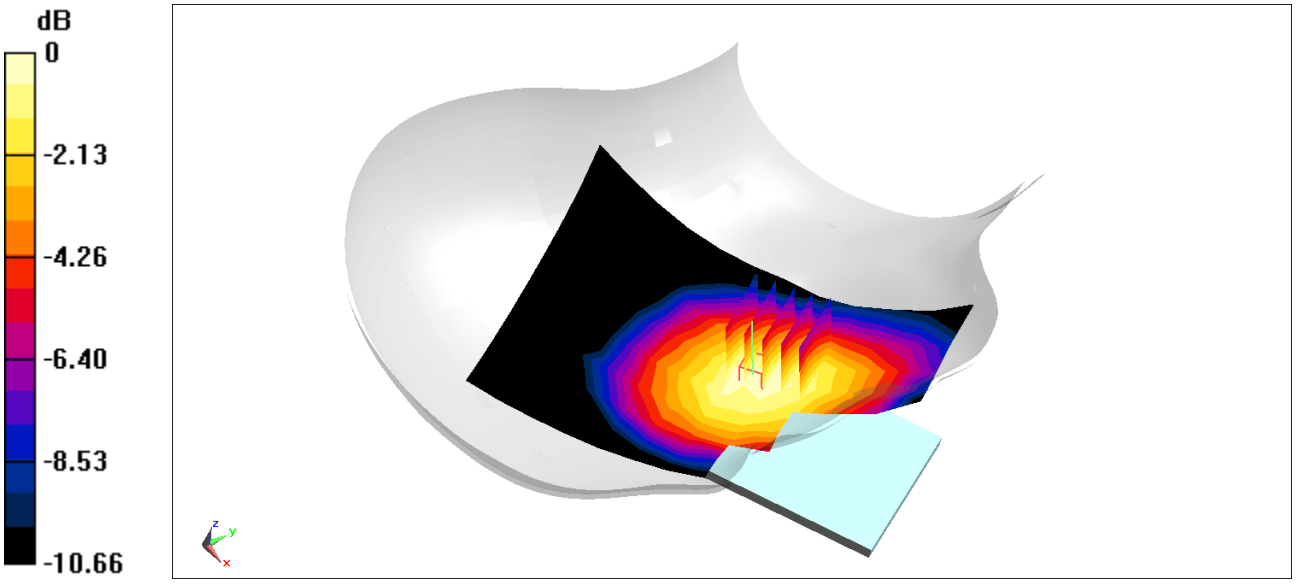
Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
f = 782 MHz; $\sigma$ = 0.897 S/m; $\varepsilon_r$ = 41.713; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section;

Test Date: 12/20/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.3°C

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

## Mode: LTE Band 13, 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 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.01 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.361 W/kg
**SAR(1 g) = 0.284 W/kg**
Smallest distance from peaks to all points 3 dB below = 23.7 mm
Ratio of SAR at M2 to SAR at M1 = 79.6%




0 dB = 0.336 W/kg = -4.74 dBW/kg

# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1060M

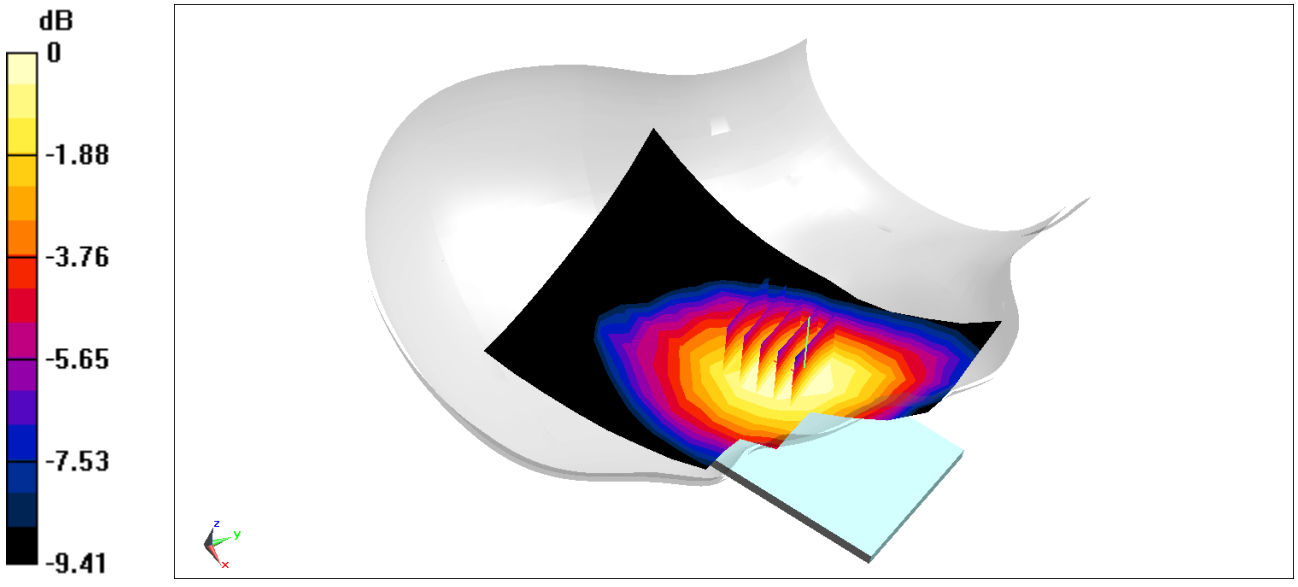
Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 831.5 MHz; $\sigma$ = 0.867 S/m; $\varepsilon_r$ = 41.184; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section;

Test Date: 12/19/2022; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7491; ConvF(9.85, 9.85, 9.85) @ 831.5 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

## Mode: LTE Band 26 (Cell.), Right Head, Cheek, Mid.ch, 15 MHz Bandwidth, QPSK, 1 RB, 36 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 = 16.29 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.270 W/kg
**SAR(1 g) = 0.212 W/kg**
Smallest distance from peaks to all points 3 dB below = 22.2 mm
Ratio of SAR at M2 to SAR at M1 = 78.3%




0 dB = 0.246 W/kg = -6.09 dBW/kg

# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

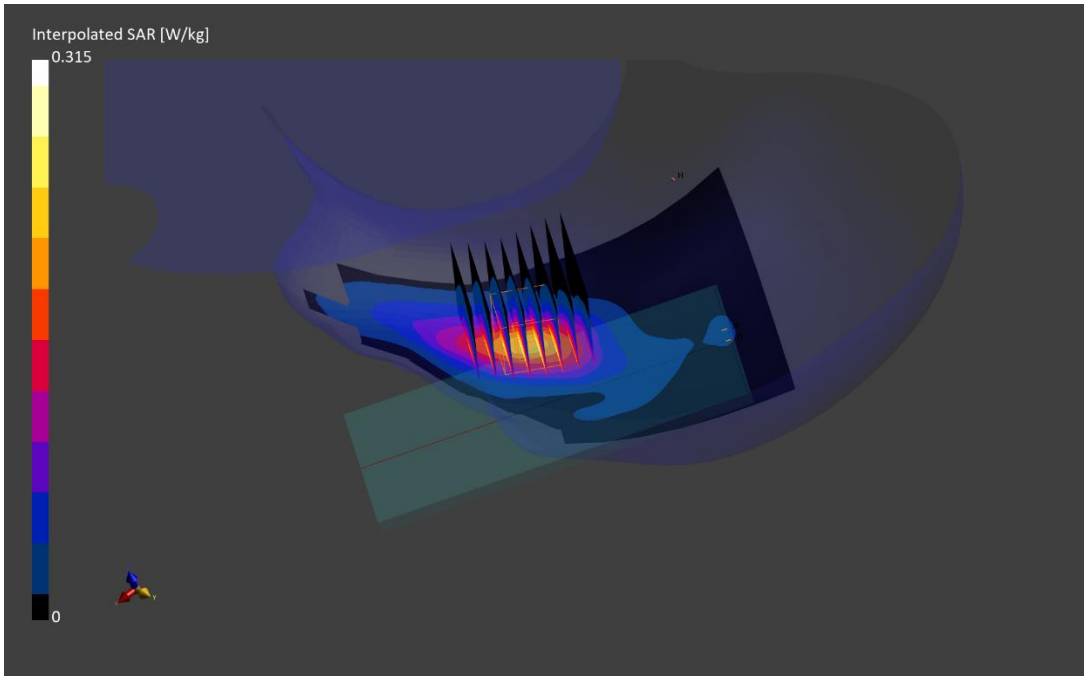
Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1720.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1720.0 MHz; cond = 1.36 S/m; perm = 40.2; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 12/27/2022; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(8.37,8.37,8.37); Calibrated: 2022-07-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 66 (AWS), Left Head, Cheek, Low Ch., 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.17 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.315 W/kg
**SAR(1 g) = 0.197 W/kg**
Smallest distance from peaks to all points 3 dB below is 10.9 mm
Ratio of SAR at M2 to SAR at M1 = 87.5 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1046M

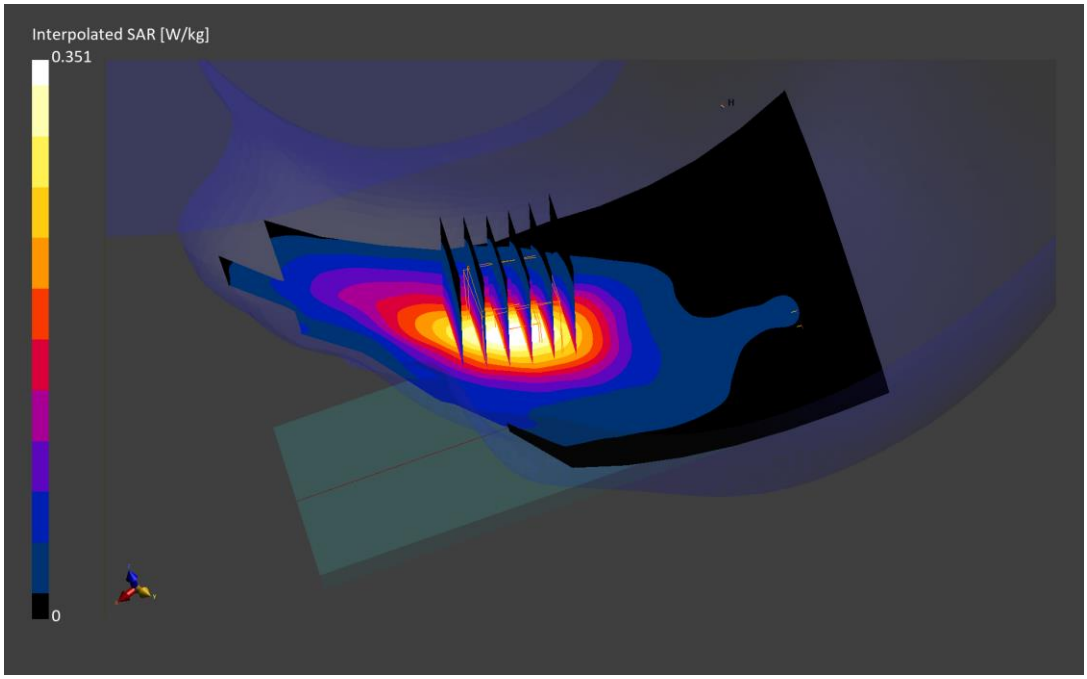
Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1860.0 MHz; cond = 1.35 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 12/27/2022; Ambient Temp: 20.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7409; ConvF:(8.13,8.13,8.13); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 2, Left Head, Cheek, Low Ch, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

**Area Scan (120.0 x 180.0):** 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 = 0.06 dB
Peak SAR (extrapolated) = 0.351 W/kg
**SAR(1 g) = 0.223 W/kg**
Smallest distance from peaks to all points 3 dB below is 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 87.5 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1070M

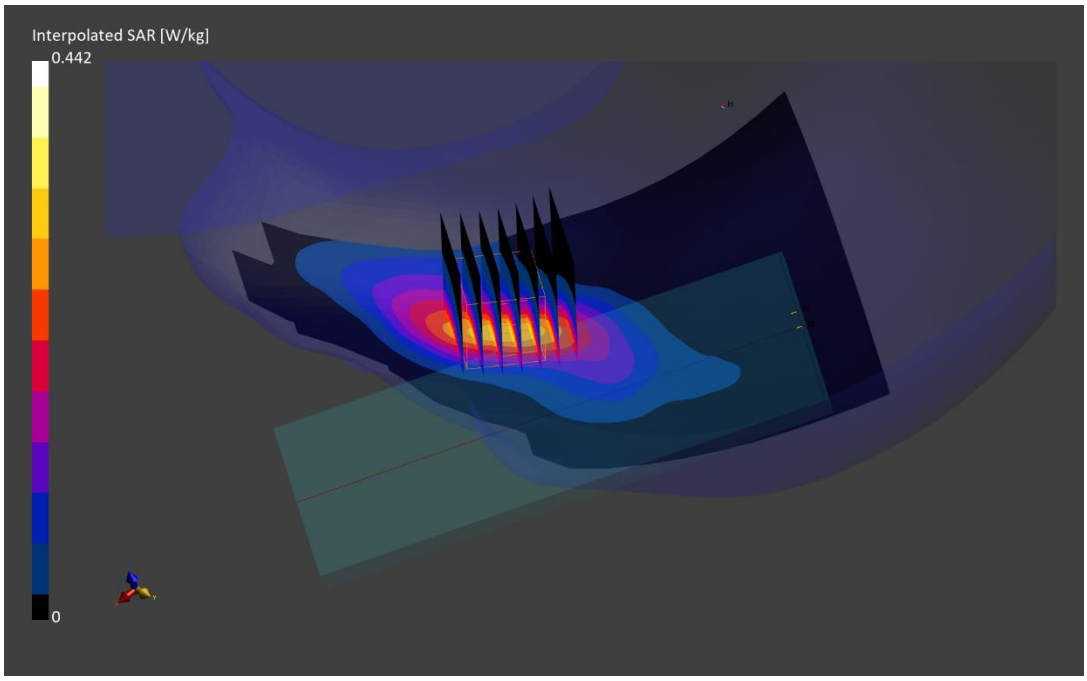
Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2593.0 MHz; cond = 1.98 S/m; perm = 40.3; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 12/19/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.2°C

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

## Mode: LTE Band 41, Antenna B, ULCA, Left Head, Cheek, 20 MHz Bandwidth, QPSK
## PCC: Ch. 40620, 1 RB, 99 RB Offset
## SCC: Ch. 40818, 1RB, 0 RB Offset

**Area Scan (120.0 x 180.0):** 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 = 0.29 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.442 W/kg
**SAR(1 g) = 0.256 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 = 84.7 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1061M

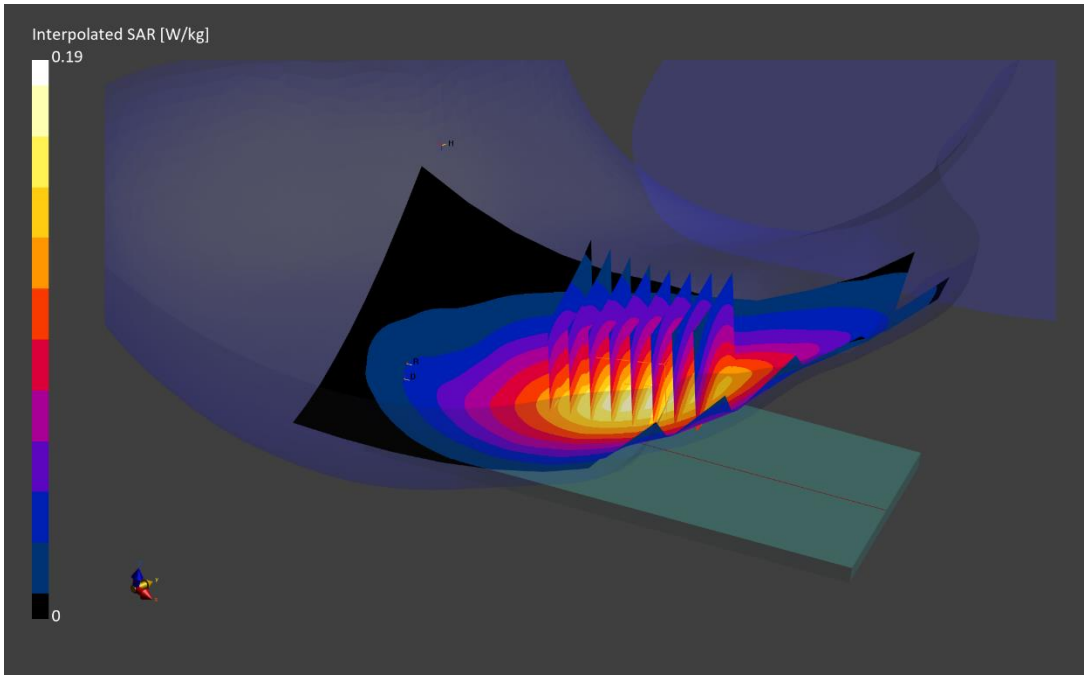
Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz
Medium: 835 Head; Medium parameters used:
f = 836.5 MHz; cond = 0.906 S/m; perm = 41.6; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 01/16/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7488; ConvF:(10.11,10.11,10.11); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.16 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.190 W/kg
**SAR(1 g) = 0.155 W/kg**
Smallest distance from peaks to all points 3 dB below is 21.2 mm
Ratio of SAR at M2 to SAR at M1 = 93.7 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1059M

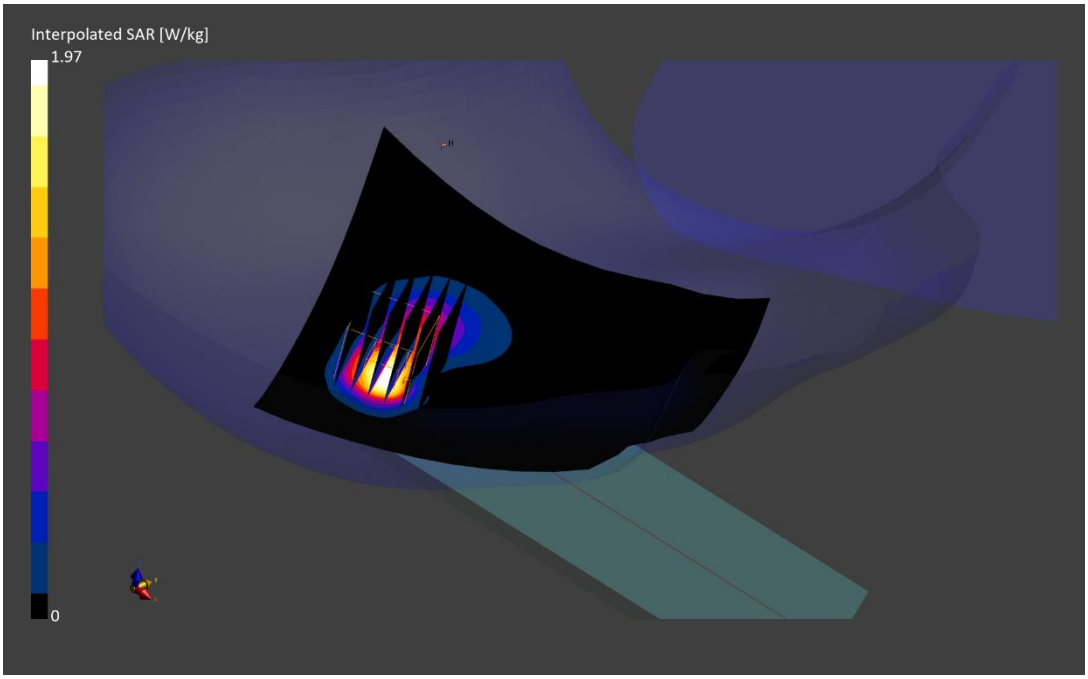
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2593.0 MHz; cond = 1.99 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 12/27/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7527; ConvF:(7.05,7.05,7.05); Calibrated: 2022-03-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2022-03-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: NR Band n41, Right Head, Tilt, Ch. 518598, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset

**Area Scan (120.0 x 120.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 1.04 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.97 W/kg
**SAR(1 g) = 0.751 W/kg**
Smallest distance from peaks to all points 3 dB below is 6.2 mm
Ratio of SAR at M2 to SAR at M1 = 73.9 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1052M

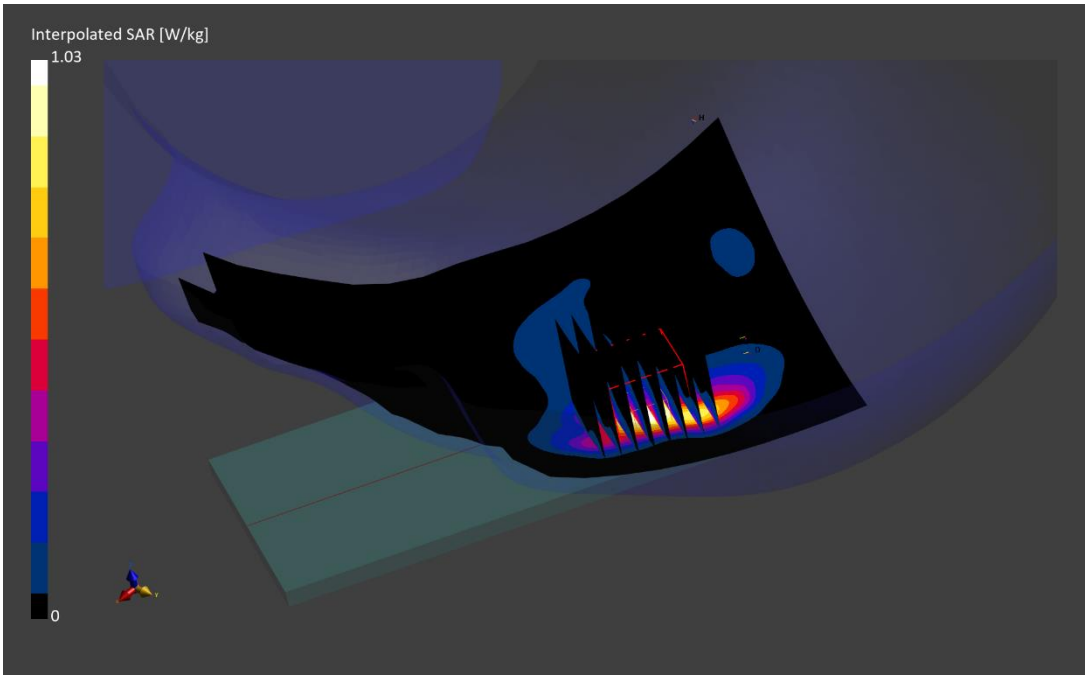
Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2412.0 MHz; cond = 1.79 S/m; perm = 39.8; density = 1000 kg/m3
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 12/27/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7527; ConvF:(7.25,7.25,7.25); Calibrated: 2022-03-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2022-03-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: IEEE 802.11n, MIMO, 20 MHz Bandwidth, Left Head, Cheek, Ch.1, 13 Mbps

**Area Scan (120.0 x 180.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=4.6 mm, dy=4.6 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.62 W/kg; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.03 W/kg
**SAR(1 g) = 0.445 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 = 78.8 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 2064M

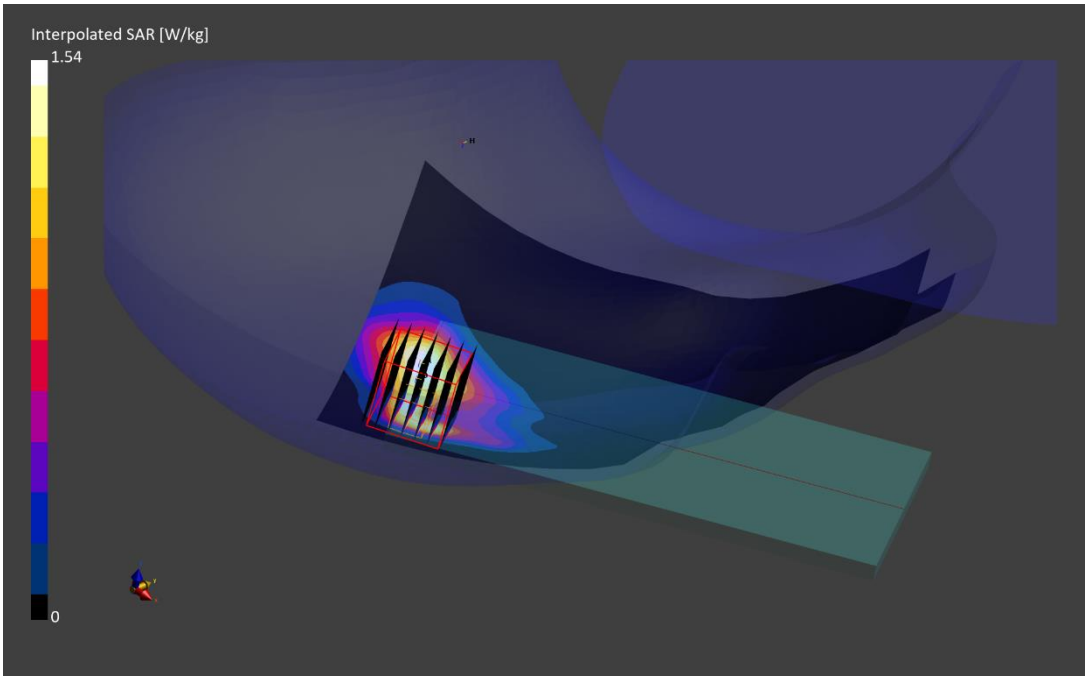
Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5290.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5290.0 MHz; cond = 4.79 S/m; perm = 34.7; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 01/09/2023; Ambient Temp: 22.8°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7527; ConvF:(5.64,5.64,5.64); Calibrated: 2022-03-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2022-03-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: IEEE 802.11ac, U-NII-2A, MIMO, 80 MHz Bandwidth, Right Head, Cheek, Ch. 58, 58.5 Mbps

**Area Scan (120.0 x 180.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=3.9 mm, dy=3.9 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.42 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.54 W/kg
**SAR(1 g) = 0.351 W/kg**
Smallest distance from peaks to all points 3 dB below is 5.0 mm
Ratio of SAR at M2 to SAR at M1 = 60.8 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1053M

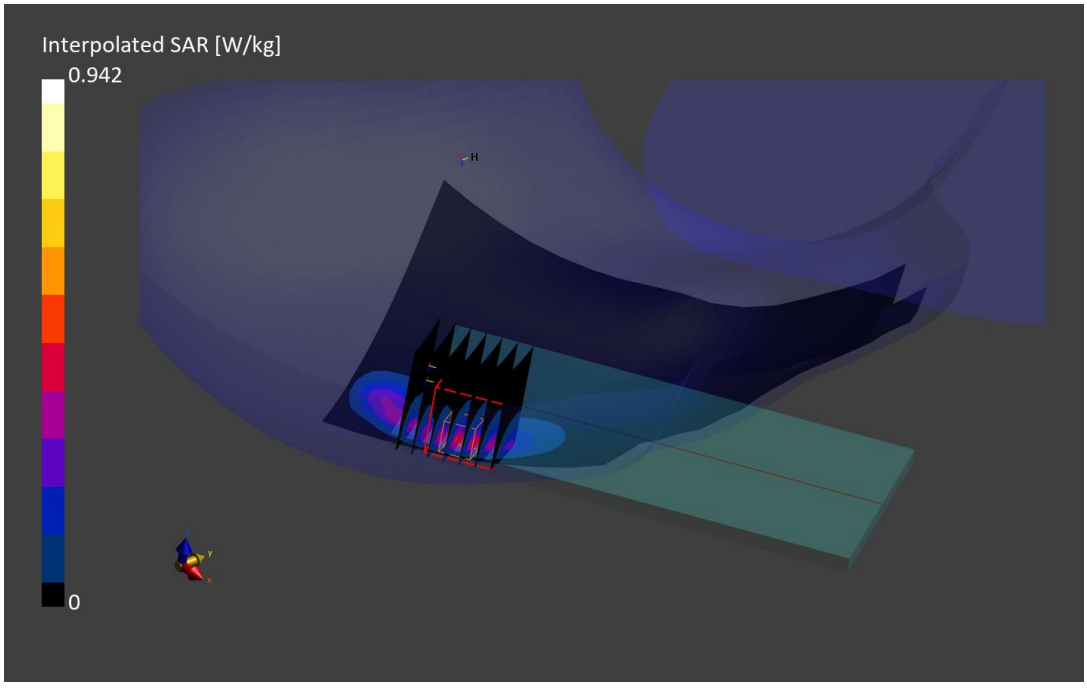
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2441.0 MHz; cond = 1.85 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 01/09/2023; Ambient Temp: 22.6°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.21,7.21,7.21); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: Bluetooth, Antenna 1, Right Head, Cheek, Ch. 39, 1 Mbps

**Area Scan (120.0 x 180.0):** 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 = 0.32 W/kg; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.942 W/kg
**SAR(1 g) = 0.369 W/kg**
Smallest distance from peaks to all points 3 dB below is 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 74.5 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1060M

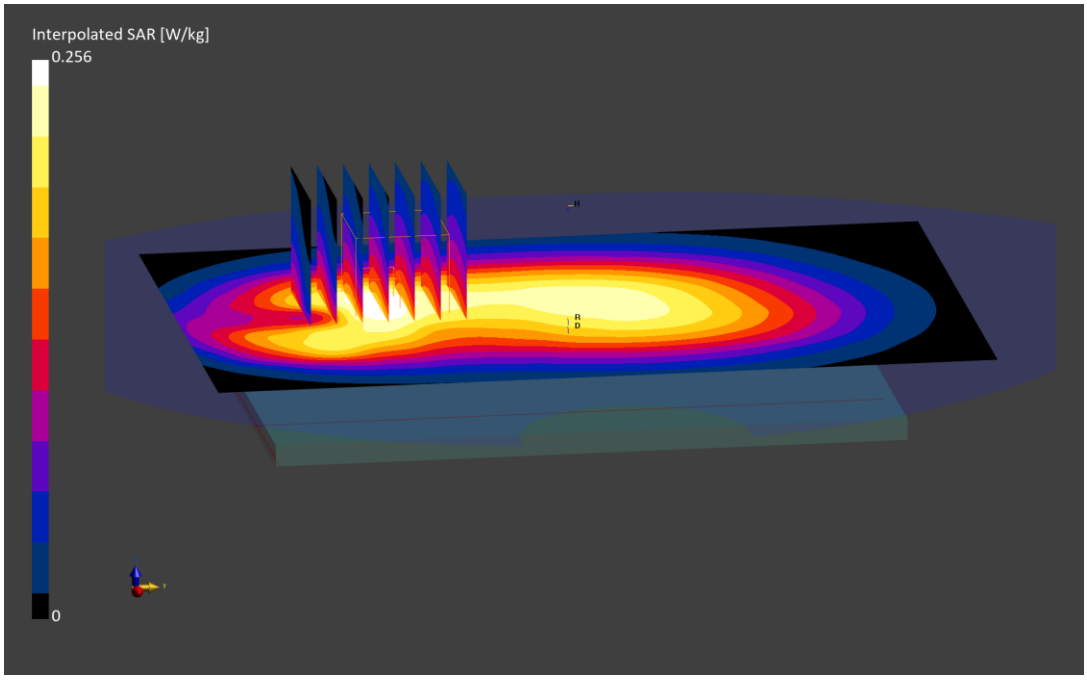
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 848.8 MHz
Medium: 835 Body; Medium parameters used:
f = 848.8 MHz; cond = 1.01 S/m; perm = 53.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/15/2022; Ambient Temp: 22.5°C; Tissue Temp: 22.1°C

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

## Mode: GSM 850, Body SAR, Back Side, High Ch.

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.17 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.256 W/kg
**SAR(1 g) = 0.172 W/kg**
Smallest distance from peaks to all points 3 dB below is 15.2 mm
Ratio of SAR at M2 to SAR at M1 = 86.7 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

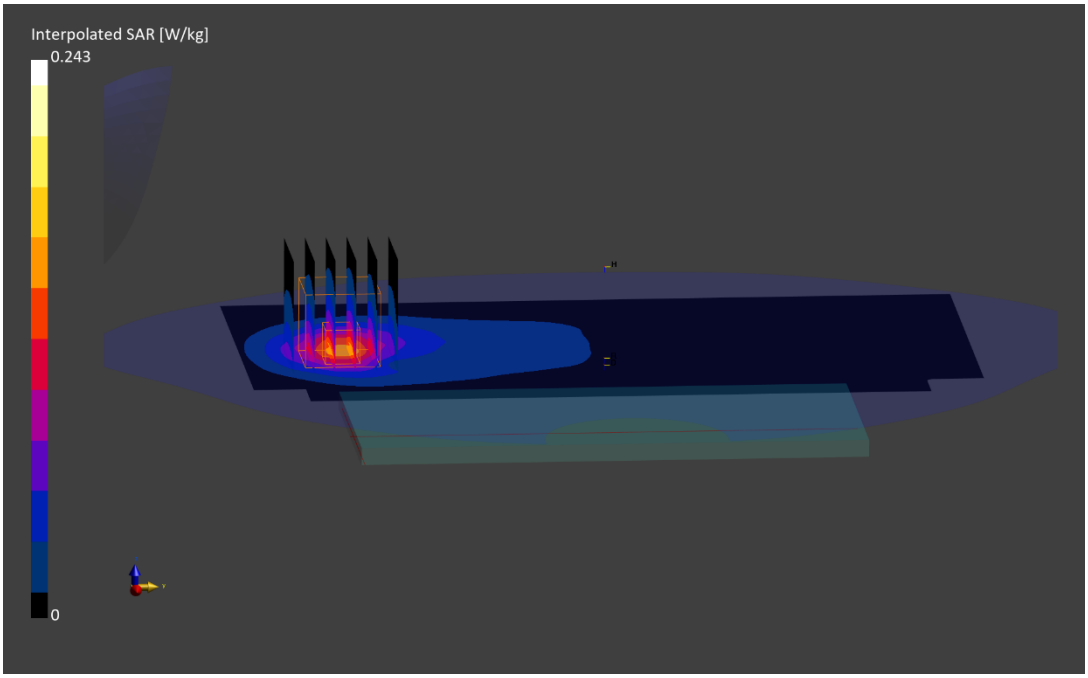
Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz
Medium: 1900 Body; Medium parameters used:
f = 1850.2 MHz; cond = 1.48 S/m; perm = 51.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/18/2022; Ambient Temp: 23.5°C; Tissue Temp: 23.0°C

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

## Mode: GSM 1900, Body SAR, Back Side, Low Ch.

**Area Scan (120.0 x 180.0):** 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 = -0.04 dB
Peak SAR (extrapolated) = 0.243 W/kg
**SAR(1 g) = 0.139 W/kg**
Smallest distance from peaks to all points 3 dB below is 13.0 mm
Ratio of SAR at M2 to SAR at M1 = 82.9 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

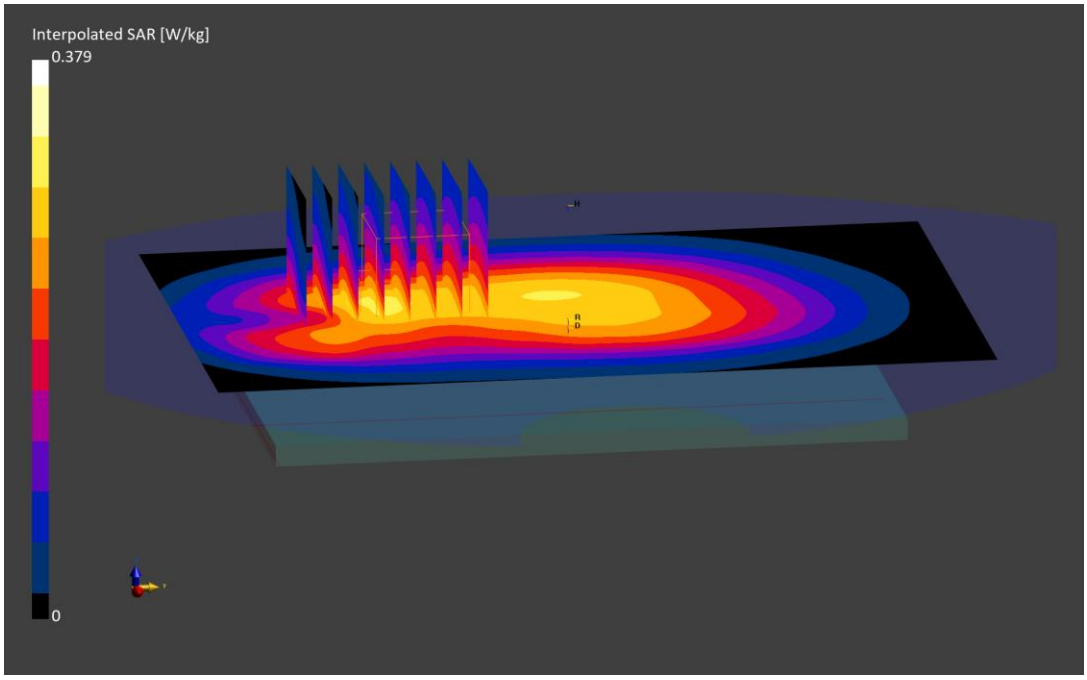
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 826.4 MHz
Medium: 835 Body; Medium parameters used:
f = 826.4 MHz; cond = 0.961 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/15/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7547; ConvF:(9.63,9.63,9.63); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: UMTS 850, Body SAR, Back side, Low Ch.

**Area Scan (120.0 x 180.0):** 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 = 0.27 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.379 W/kg
**SAR(1 g) = 0.269 W/kg**
Smallest distance from peaks to all points 3 dB below is > 15.0 mm
Ratio of SAR at M2 to SAR at M1 = 89.6 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

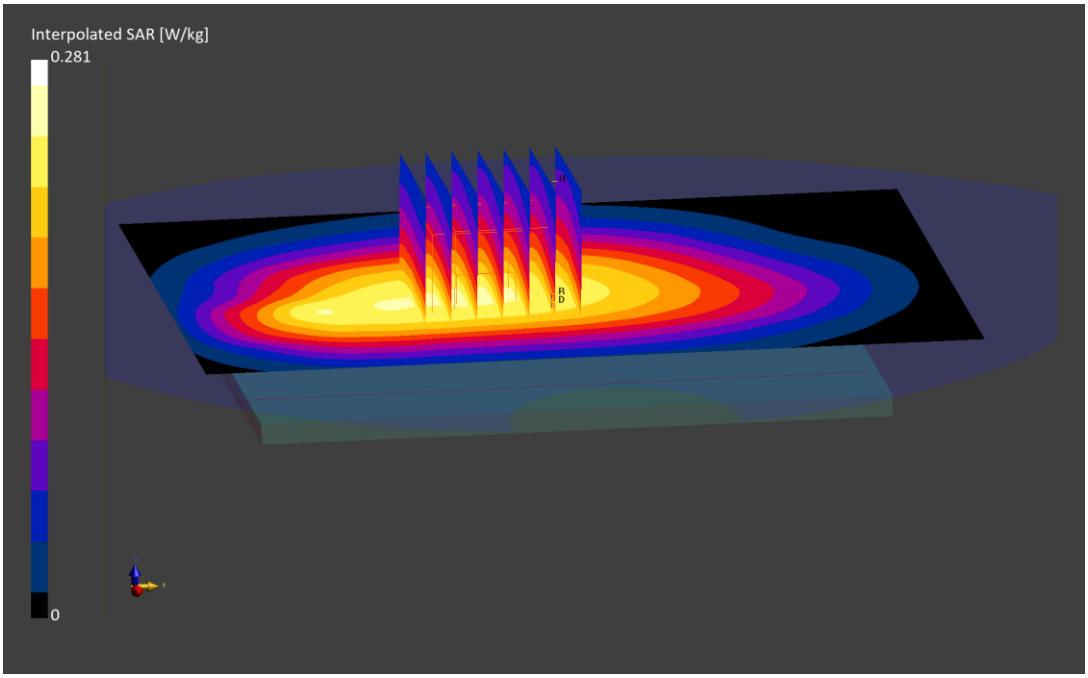
Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Body; Medium parameters used:
f = 707.5 MHz; cond = 0.932 S/m; perm = 54.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/04/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7547; ConvF:(9.87,9.87,9.87); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 12, Body SAR, Back Side, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset

**Area Scan (120.0 x 180.0):** 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) = 0.281 W/kg
**SAR(1 g) = 0.221 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 = 92.1 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

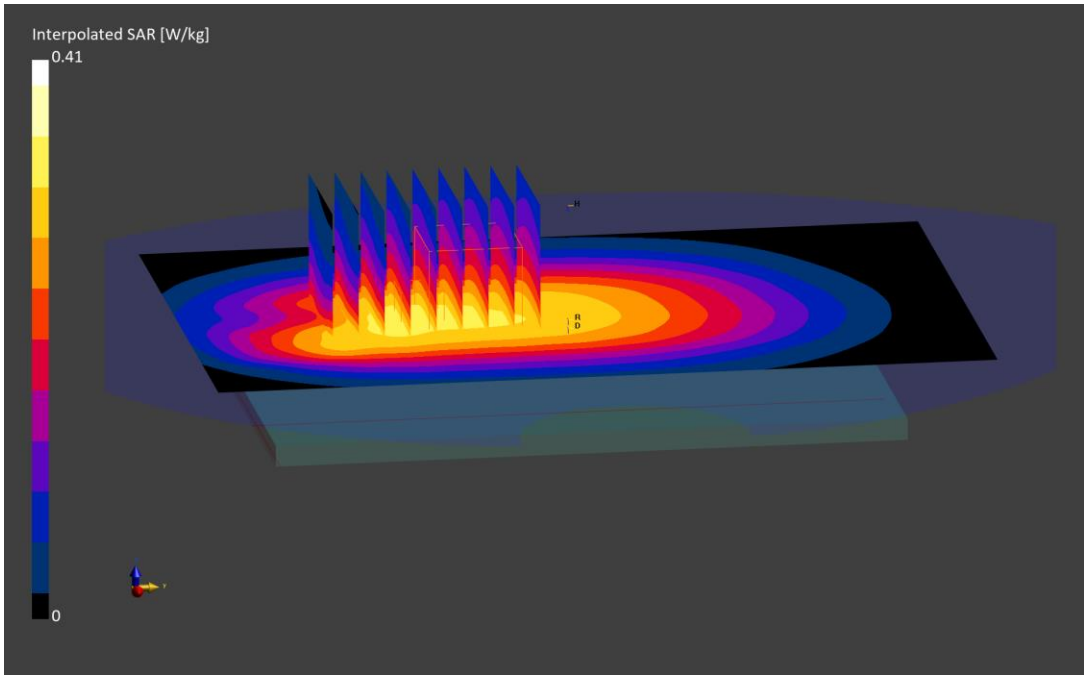
Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz
Medium: 750 Body; Medium parameters used:
f = 782.0 MHz; cond = 0.960 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/04/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7547; ConvF:(9.87,9.87,9.87); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.30 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.410 W/kg
**SAR(1 g) = 0.293 W/kg**
Smallest distance from peaks to all points 3 dB below is > 15.0 mm
Ratio of SAR at M2 to SAR at M1 = 89.1 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

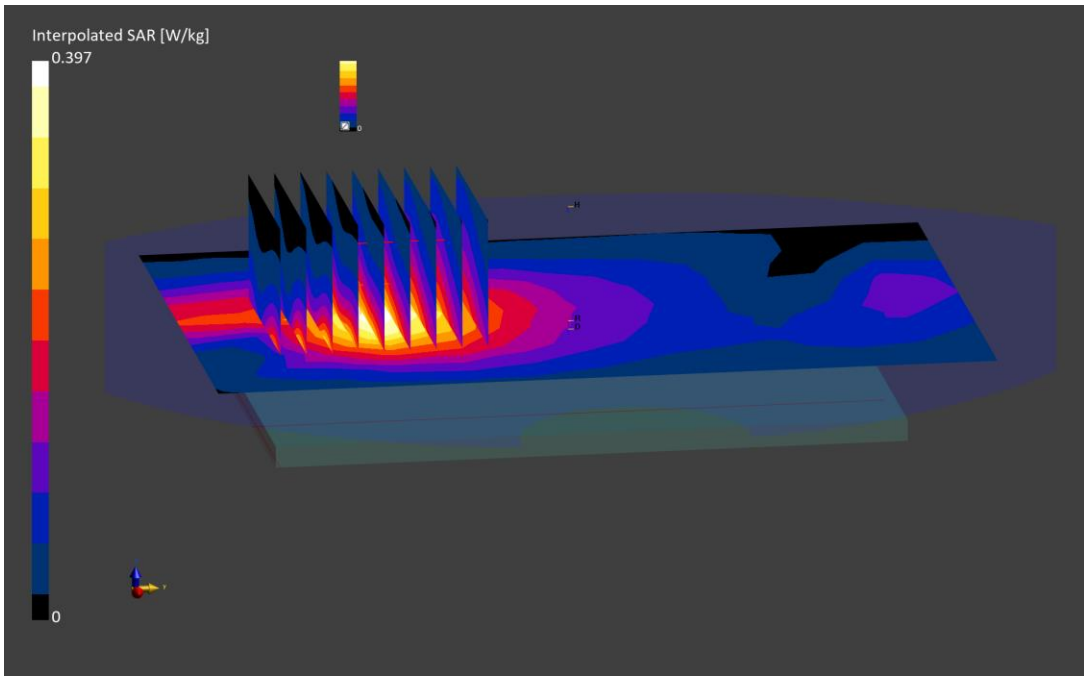
Communication System: UID:10181 - CAE, LTE-FDD; MAIA: Y; Frequency: 831.5 MHz
Medium: 835 Body; Medium parameters used:
f = 831.5 MHz; cond = 0.955 S/m; perm = 54.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/20/2022; Ambient Temp: 20.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(9.63,9.63,9.63); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 26, Body SAR, Back Side, Mid Ch, 15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.26 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.397 W/kg
**SAR(1 g) = 0.259 W/kg**
Smallest distance from peaks to all points 3 dB below is 13.5 mm
Ratio of SAR at M2 to SAR at M1 = 84.9 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

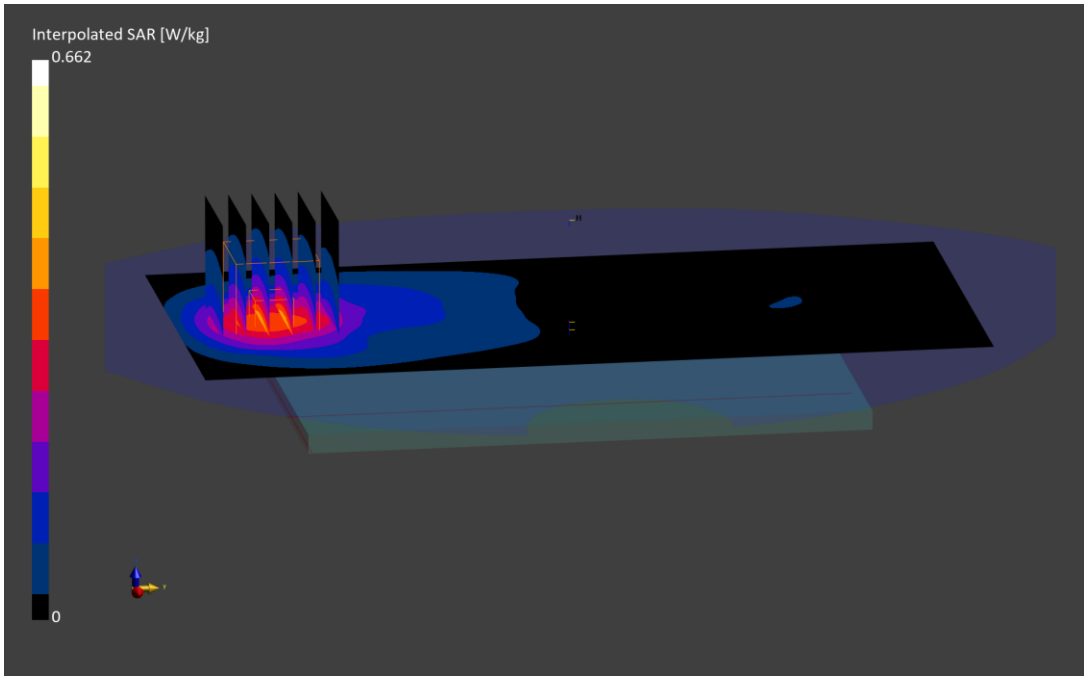
Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1745.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1745.0 MHz; cond = 1.54 S/m; perm = 51.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/21/2022; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7406; ConvF:(8.06,8.06,8.06); Calibrated: 2022-07-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 66 (AWS), Body SAR, Back Side, Mid Ch., 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

**Area Scan (120.0 x 180.0):** 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 = 0.39 W/kg; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.662 W/kg
**SAR(1 g) = 0.392 W/kg**
Smallest distance from peaks to all points 3 dB below is 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 83.6 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

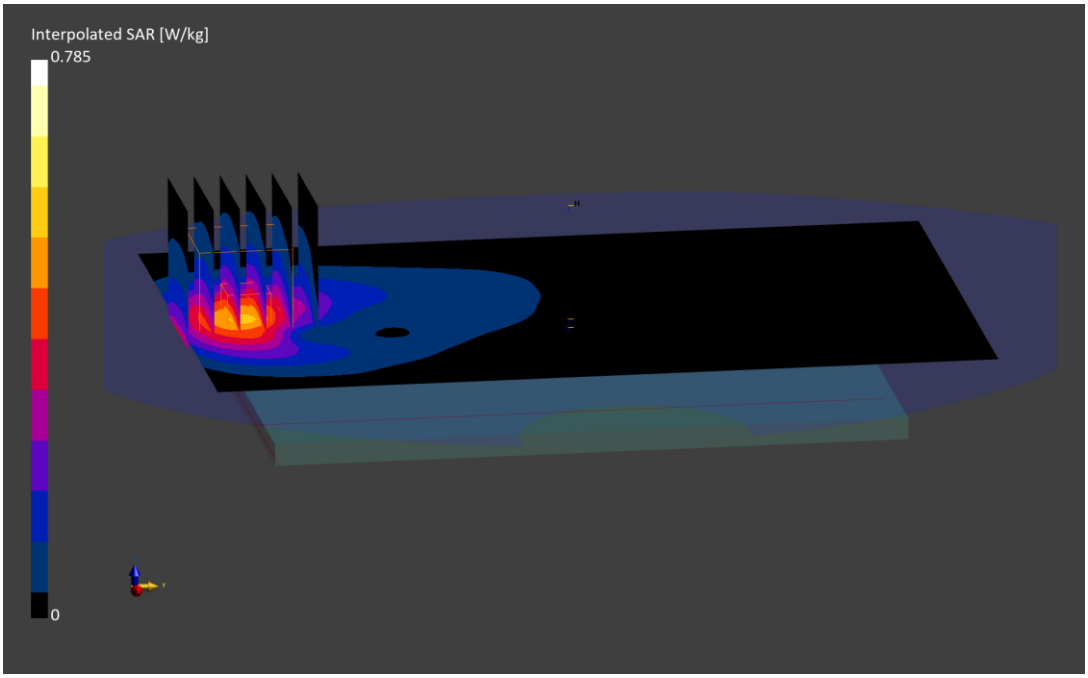
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1860.0 MHz; cond = 1.48 S/m; perm = 51.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/20/2022; Ambient Temp: 23.1°C; Tissue Temp: 23.6°C

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

## Mode: LTE Band 2, Body SAR, Back Side, Low Ch, 20 MHz Bandwidth QPSK, 1 RB, 0 RB Offset

**Area Scan (120.0 x 180.0):** 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 = 0.47 W/kg; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.785 W/kg
**SAR(1 g) = 0.456 W/kg**
Smallest distance from peaks to all points 3 dB below is 13.0 mm
Ratio of SAR at M2 to SAR at M1 = 83.0 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1070M

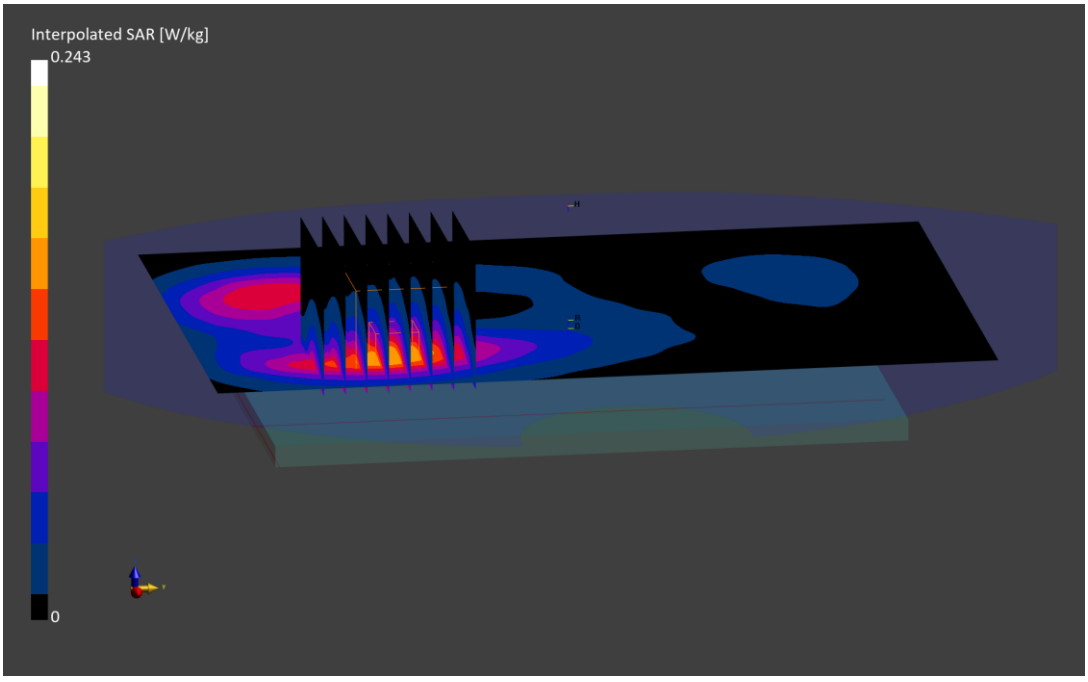
Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 2506.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2506.0 MHz; cond = 2.07 S/m; perm = 50.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/27/2022; Ambient Temp: 23.0°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 41, Antenna B, ULCA, Body SAR, Back Side, 20 MHz Bandwidth, QPSK
## PCC: Ch. 39750, 50 RB, 50 RB Offset
## SCC: Ch. 39948, 50 RB, 0 RB Offset

**Area Scan (120.0 x 180.0):** 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 = 0.12 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.243 W/kg
**SAR(1 g) = 0.131 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 = 81.4 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1061M

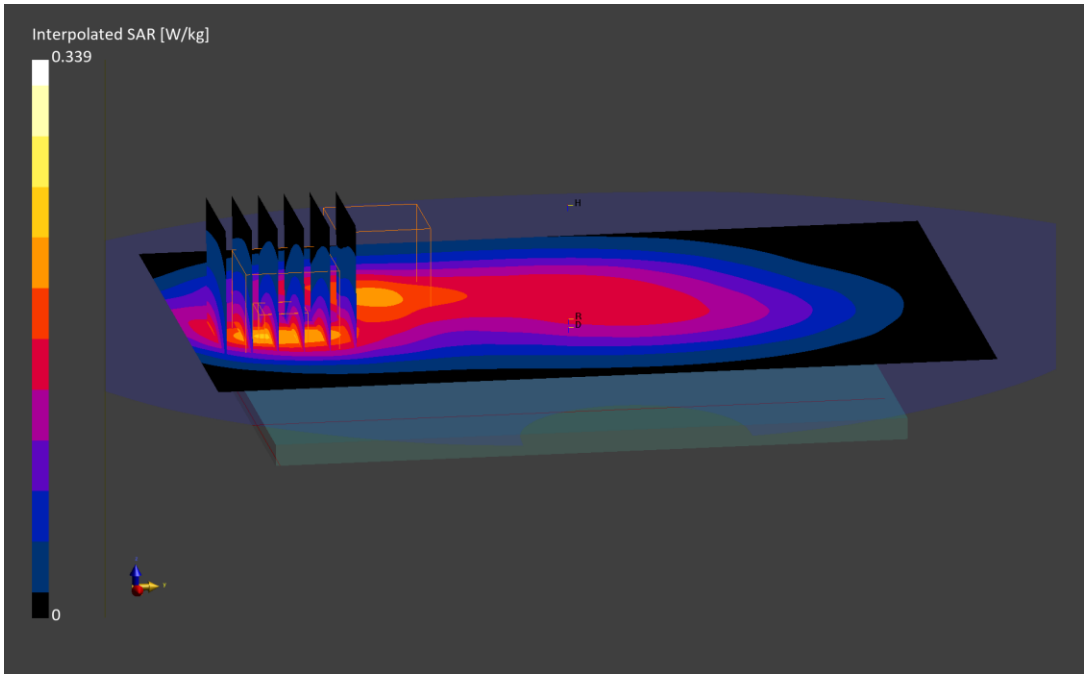
Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz
Medium: 835 Body; Medium parameters used:
f = 836.5 MHz; cond = 0.944 S/m; perm = 55.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/17/2023; Ambient Temp: 24.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7488; ConvF:(10.88,10.88,10.88); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: NR Band n5, Body SAR, Back Side, Ch. 167300, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 28 RB Offset

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.16 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.339 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 = 83.3 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1059M

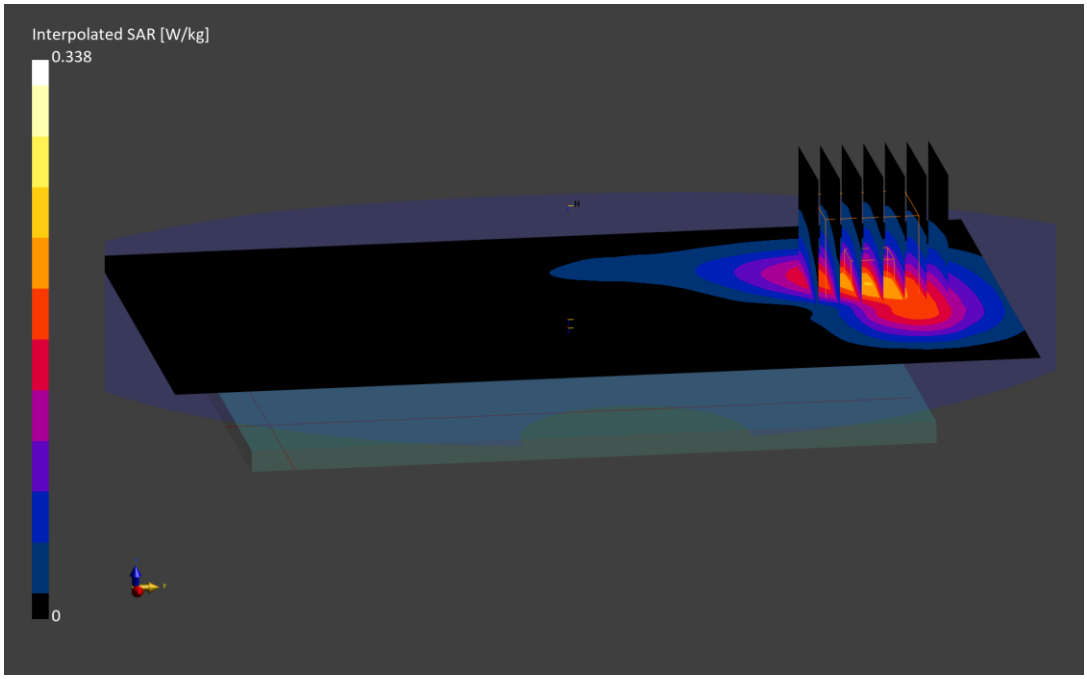
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2593.0 MHz; cond = 2.14 S/m; perm = 50.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/13/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7410; ConvF:(7.45,7.45,7.45); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: NR Band n41, Antenna F, Body SAR, Back Side, Ch. 518598, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 137 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 = 0.16 W/kg; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.338 W/kg
**SAR(1 g) = 0.183 W/kg**
Smallest distance from peaks to all points 3 dB below is 14.9 mm
Ratio of SAR at M2 to SAR at M1 = 81.5 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1052M

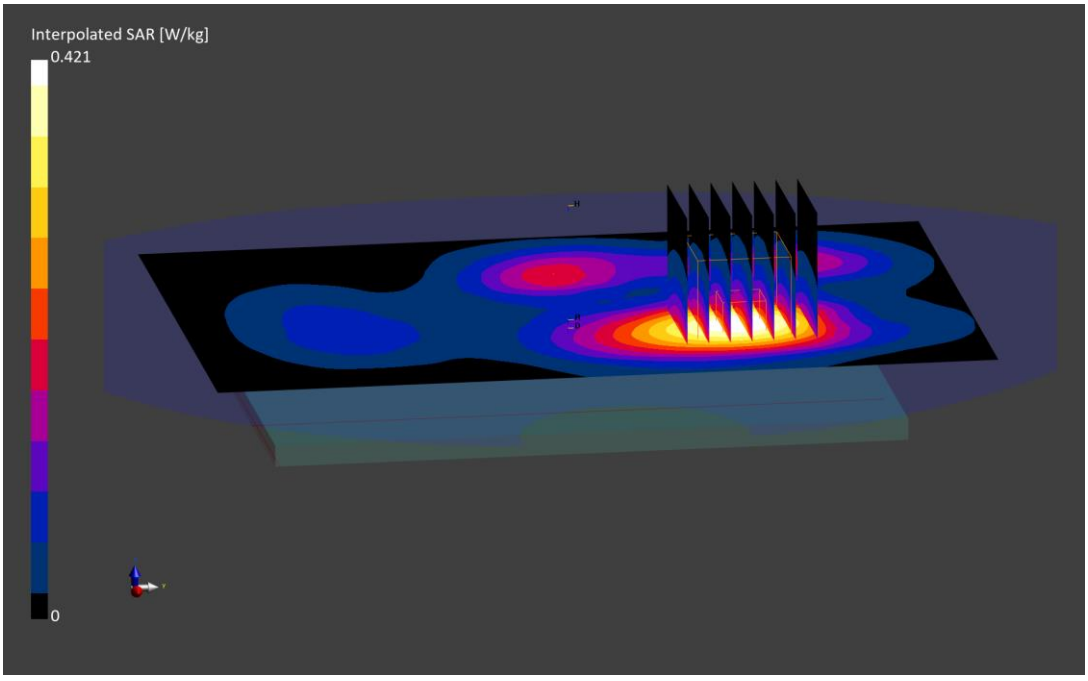
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2412.0 MHz; cond = 1.97 S/m; perm = 51.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/29/2022; Ambient Temp: 24.0°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (120.0 x 180.0):** 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 = 0.22 W/kg; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.421 W/kg
**SAR(1 g) = 0.241 W/kg**
Smallest distance from peaks to all points 3 dB below is 20.9 mm
Ratio of SAR at M2 to SAR at M1 = 83.2 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 2064M

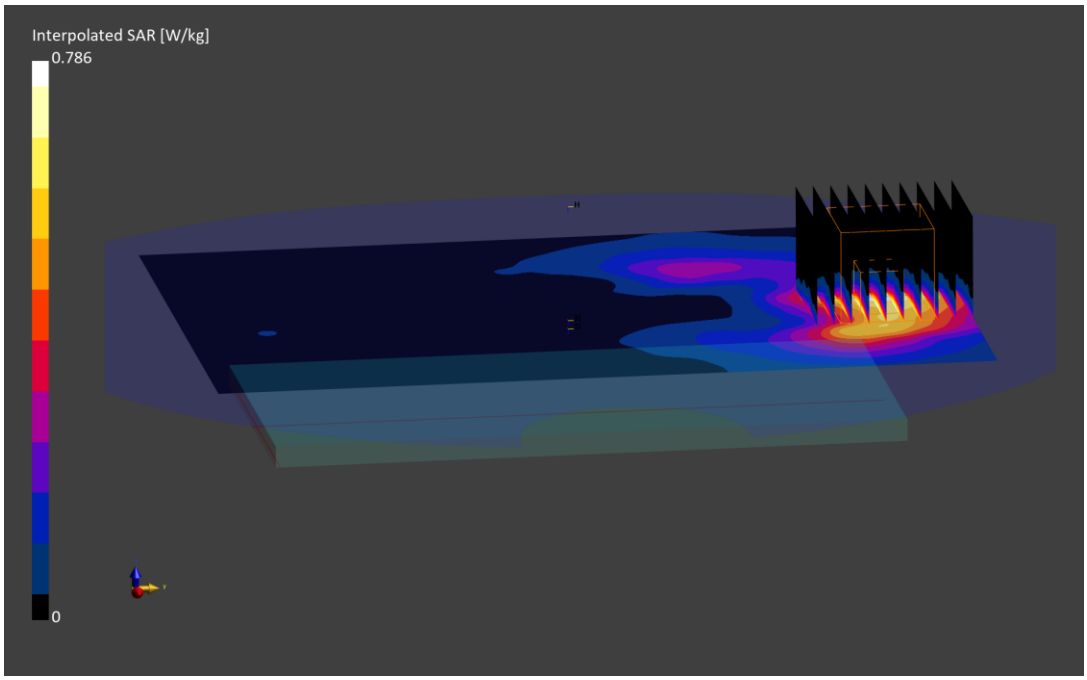
Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 5845.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5845.0 MHz; cond = 6.04 S/m; perm = 46.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/03/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7659; ConvF:(4.49,4.49,4.49); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-4, MIMO, Ch. 169, Body SAR, Back Side, 13 Mbps

**Area Scan (120.0 x 180.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.01 W/kg; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.786 W/kg
**SAR(1 g) = 0.232 W/kg**
Smallest distance from peaks to all points 3 dB below is 13.1 mm
Ratio of SAR at M2 to SAR at M1 = 65.5 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1052M

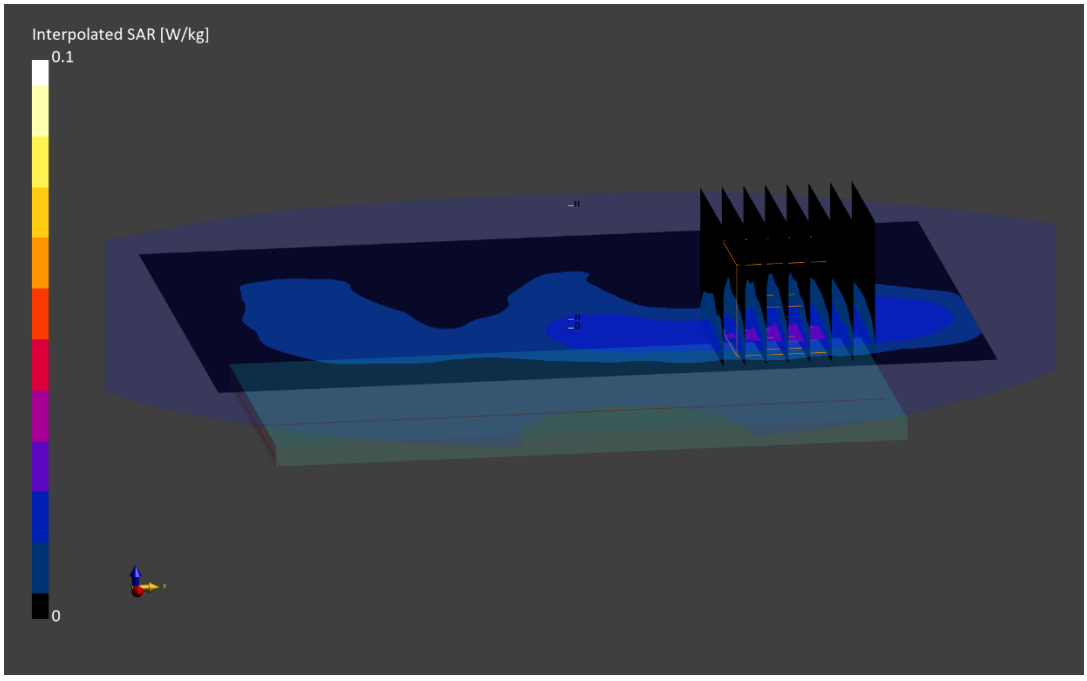
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2441.0 MHz; cond = 2.00 S/m; perm = 51.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/13/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (120.0 x 180.0):** 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 = 0.02 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.044 W/kg
**SAR(1 g) = 0.023 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 = 80.7 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1060M

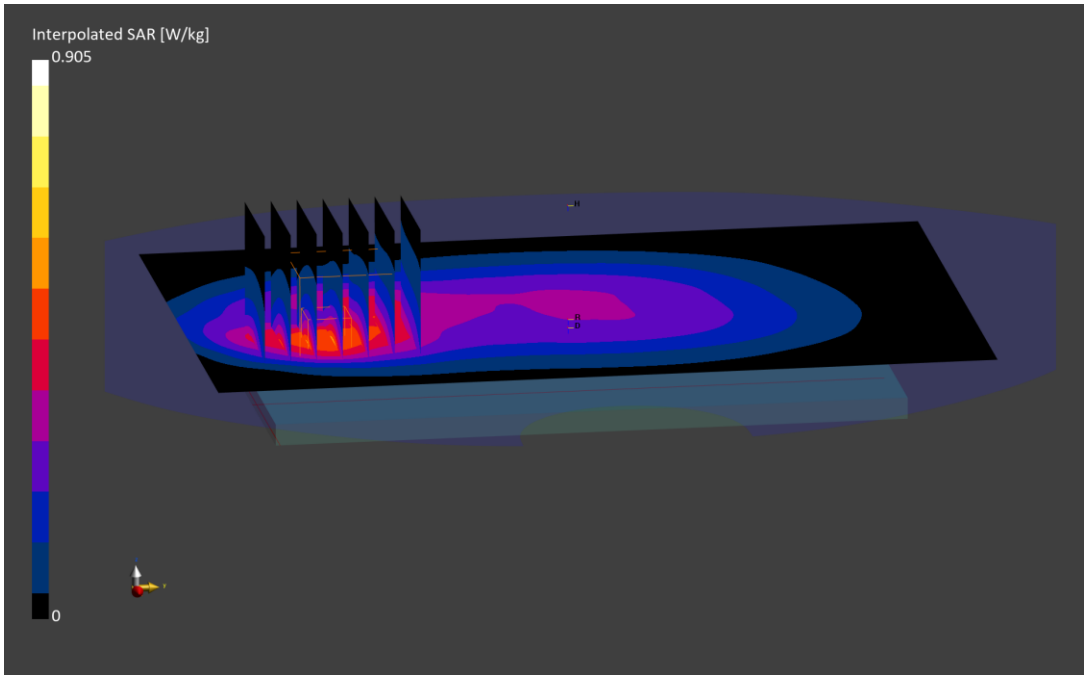
Communication System: UID:10024 - DAC, GSM; MAIA: Y; Frequency: 824.2 MHz
Medium: 835 Body; Medium parameters used:
f = 824.2 MHz; cond = 0.997 S/m; perm = 53.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/15/2022; Ambient Temp: 22.5°C; Tissue Temp: 22.1°C

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

## Mode: GPRS 850, Body SAR, Back Side, Low Ch., 2 Tx Slots

**Area Scan (120.0 x 180.0):** 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 = 0.43 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.905 W/kg
**SAR(1 g) = 0.473 W/kg**
Smallest distance from peaks to all points 3 dB below is 12.3 mm
Ratio of SAR at M2 to SAR at M1 = 79.9 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

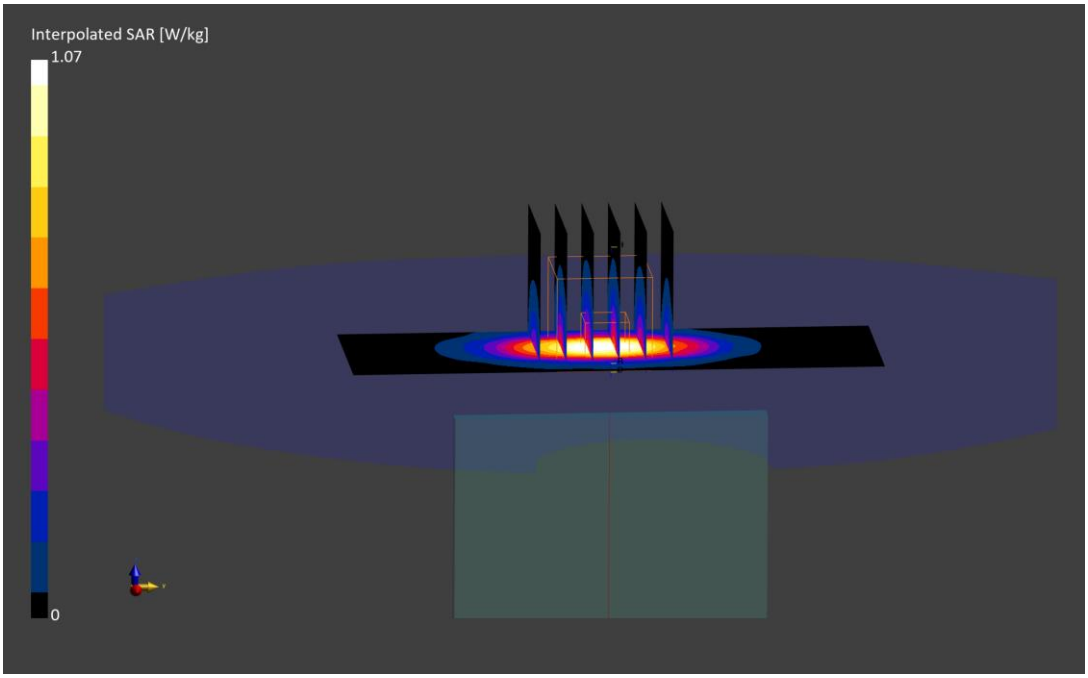
Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz
Medium: 1900 Body; Medium parameters used:
f = 1909.8 MHz; cond = 1.54 S/m; perm = 51.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/18/2022; Ambient Temp: 23.5°C; Tissue Temp: 23.0°C

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

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

**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.56 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.07 W/kg
**SAR(1 g) = 0.547 W/kg**
Smallest distance from peaks to all points 3 dB below is 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 80.8 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

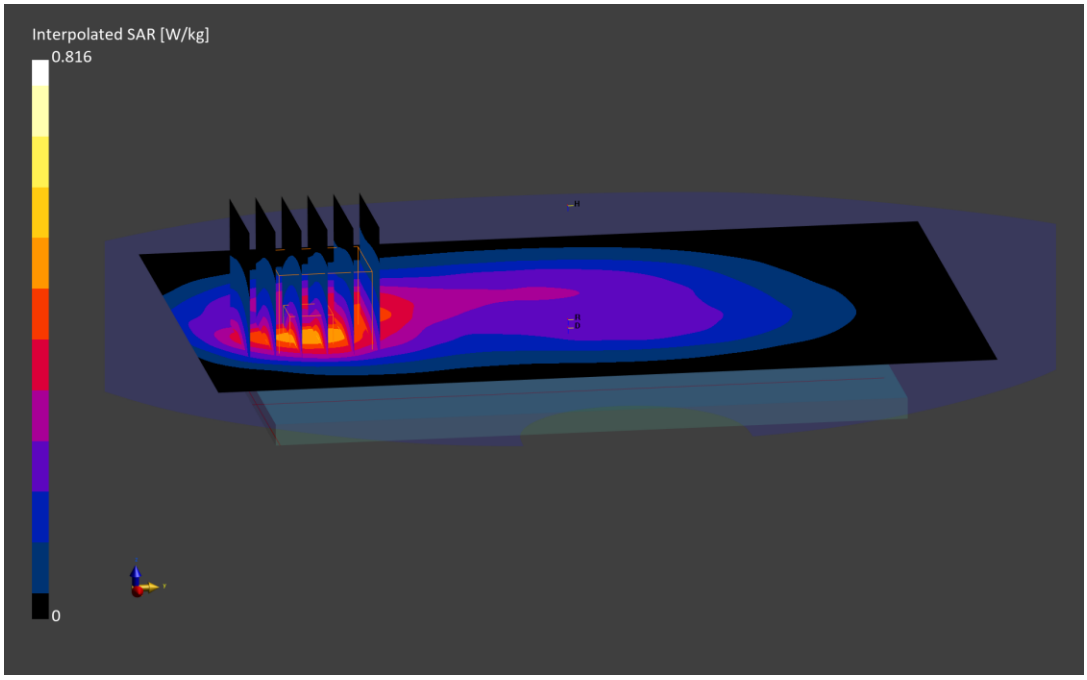
Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 826.4 MHz
Medium: 835 Body; Medium parameters used:
f = 826.4 MHz; cond = 0.961 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/15/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7547; ConvF:(9.63,9.63,9.63); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: UMTS 850, Body SAR, Back Side, Low Ch.

**Area Scan (120.0 x 180.0):** 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 = 0.47 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.815 W/kg
**SAR(1 g) = 0.457 W/kg**
Smallest distance from peaks to all points 3 dB below is 12.3 mm
Ratio of SAR at M2 to SAR at M1 = 82.6 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

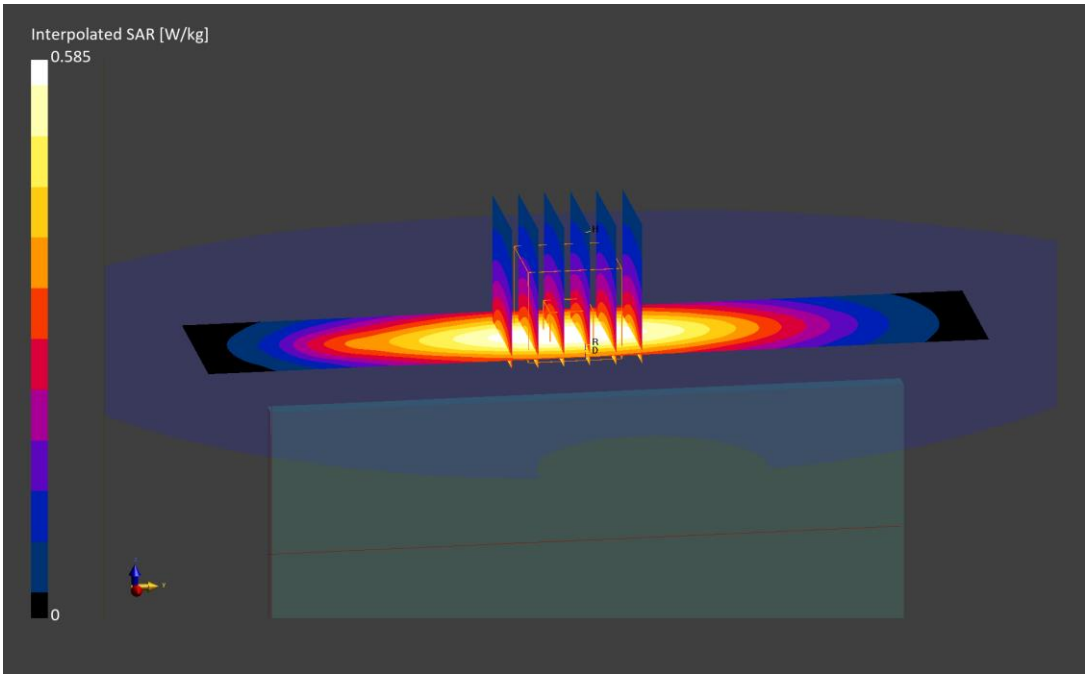
Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Body; Medium parameters used:
f = 707.5 MHz; cond = 0.932 S/m; perm = 54.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/04/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7547; ConvF:(9.87,9.87,9.87); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 12, Body SAR, Left Edge, Mid Ch, 10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset

**Area Scan (40.0 x 180.0):** 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 = 0.41 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.585 W/kg
**SAR(1 g) = 0.403 W/kg**
Smallest distance from peaks to all points 3 dB below is > 15.0 mm
Ratio of SAR at M2 to SAR at M1 = 88.7 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

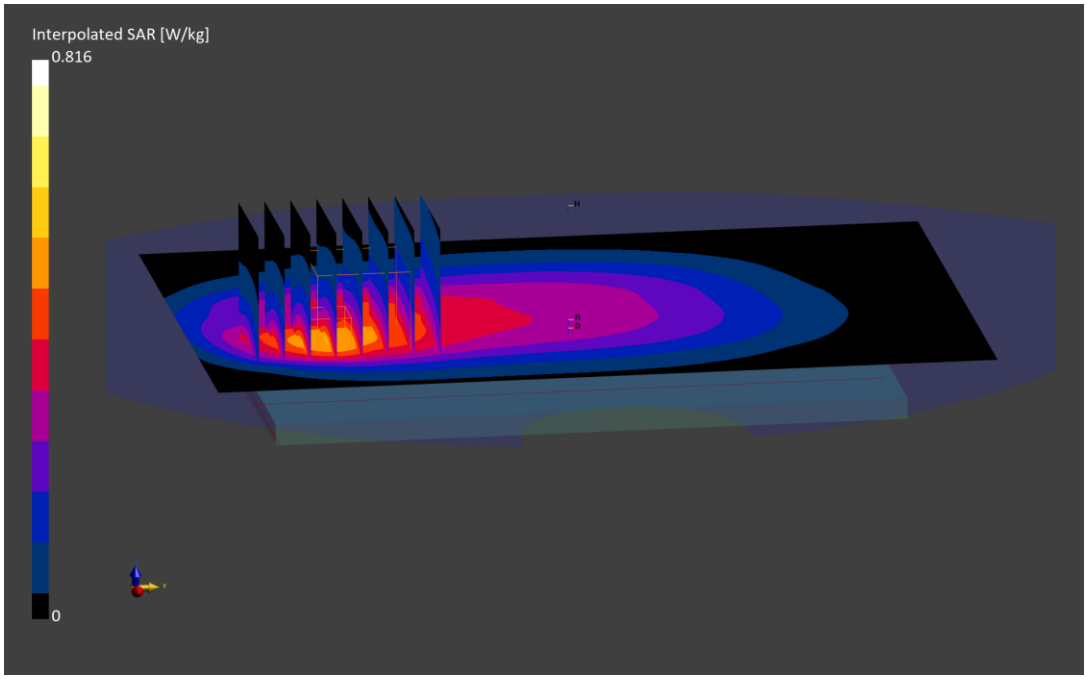
Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz
Medium: 750 Body; Medium parameters used:
f = 782.0 MHz; cond = 0.960 S/m; perm = 54.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/04/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7547; ConvF:(9.87,9.87,9.87); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.49 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.816 W/kg
**SAR(1 g) = 0.479 W/kg**
Smallest distance from peaks to all points 3 dB below is 13.5 mm
Ratio of SAR at M2 to SAR at M1 = 84.3 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1047M

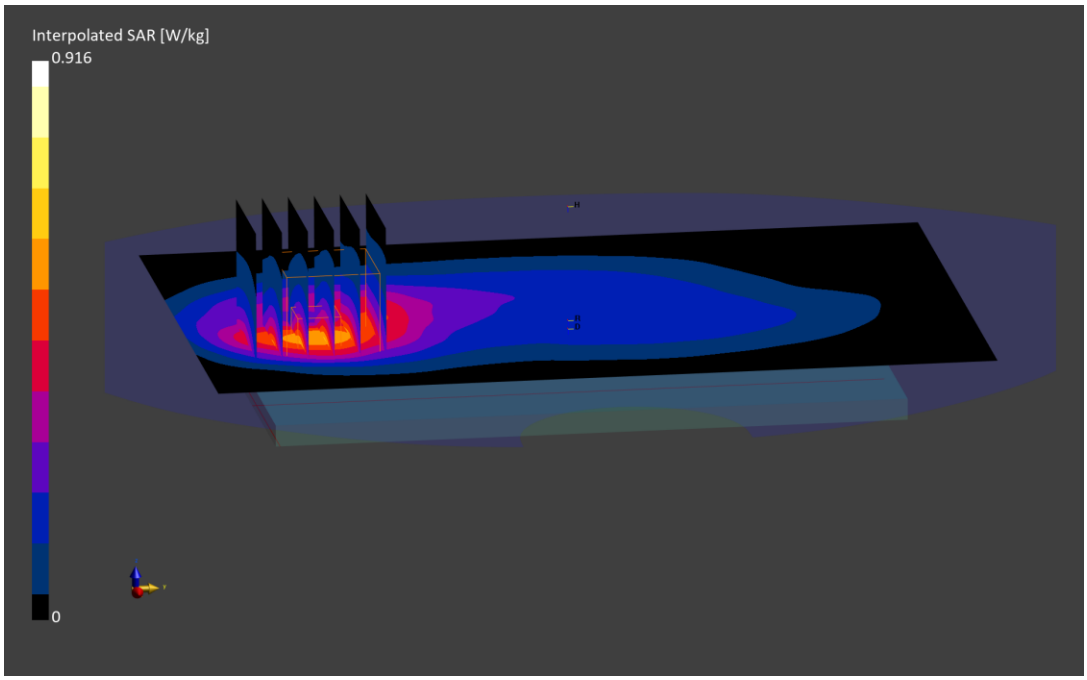
Communication System: UID:10181 - CAE, LTE-FDD; MAIA: Y; Frequency: 831.5 MHz
Medium: 835 Body; Medium parameters used:
f = 831.5 MHz; cond = 0.955 S/m; perm = 54.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/20/2022; Ambient Temp: 20.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(9.63,9.63,9.63); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 26, Body SAR, Back Side, Mid Ch, 15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset

**Area Scan (120.0 x 180.0):** 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 = 0.53 W/kg; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.917 W/kg
**SAR(1 g) = 0.520 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 = 82.5 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1046M

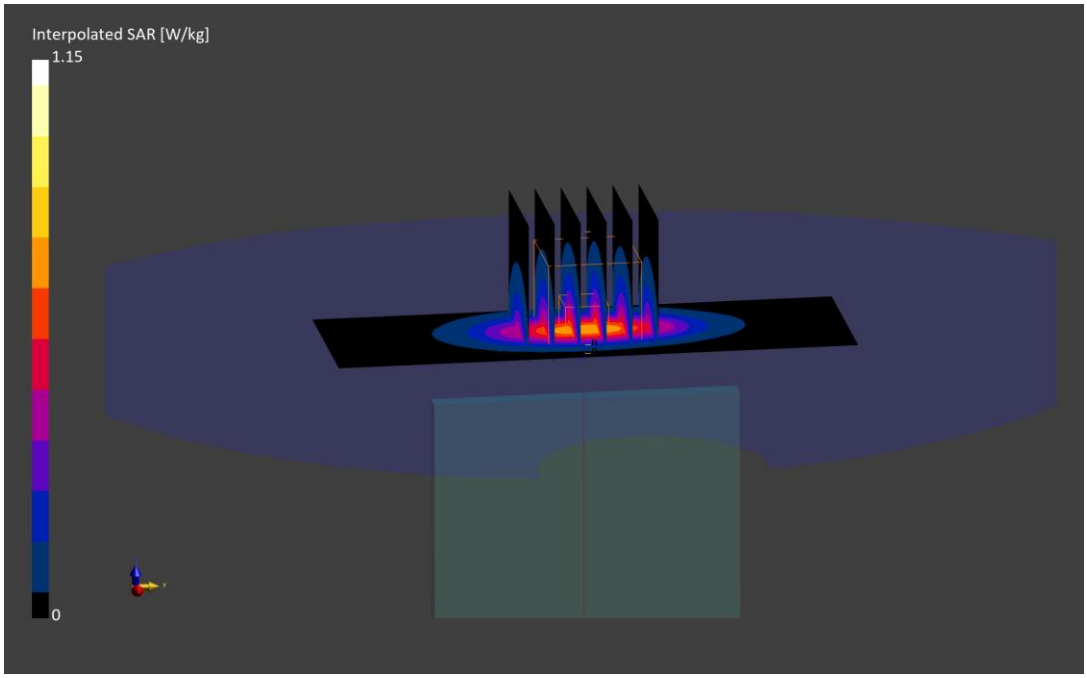
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1770.0 MHz; cond = 1.56 S/m; perm = 51.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/09/2023; Ambient Temp: 21.5°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7406; ConvF:(8.06,8.06,8.06); Calibrated: 2022-07-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.63 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.15 W/kg
**SAR(1 g) = 0.597 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 = 80.2 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

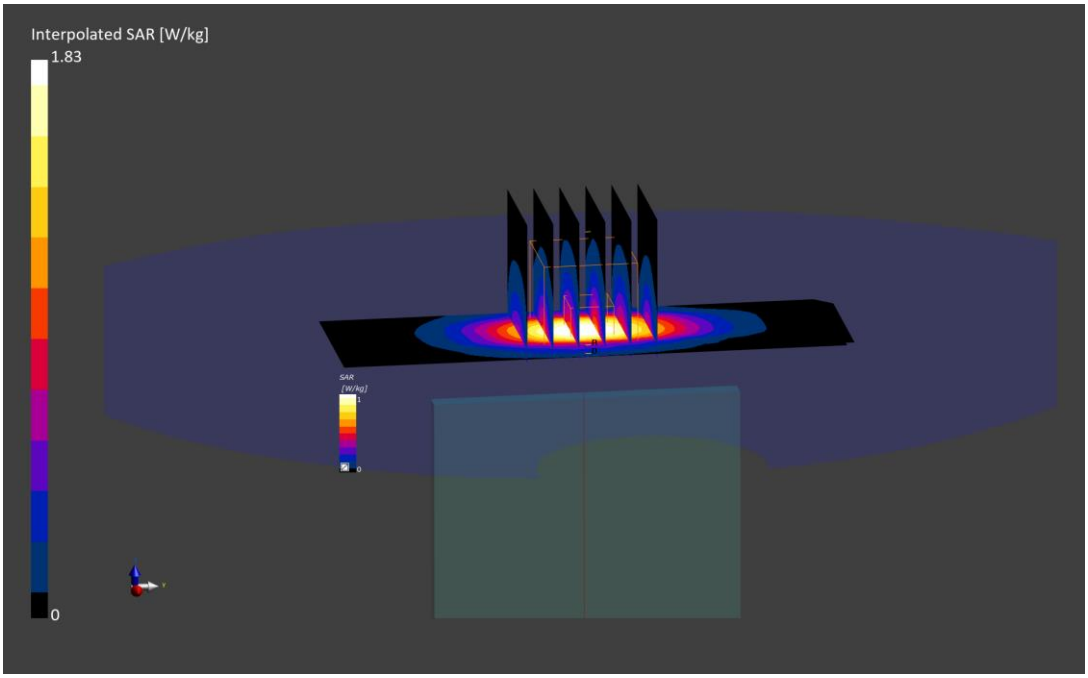
Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1880.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1880.0 MHz; cond = 1.50 S/m; perm = 51.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/20/2022; Ambient Temp: 23.1°C; Tissue Temp: 23.6°C

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

## Mode: LTE Band 2, Body SAR, Bottom Edge, Mid Ch, 20 MHz Bandwidth QPSK, 1 RB, 99 RB Offset

**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 1.01 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.83 W/kg
**SAR(1 g) = 0.970 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 = 81.1 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1070M

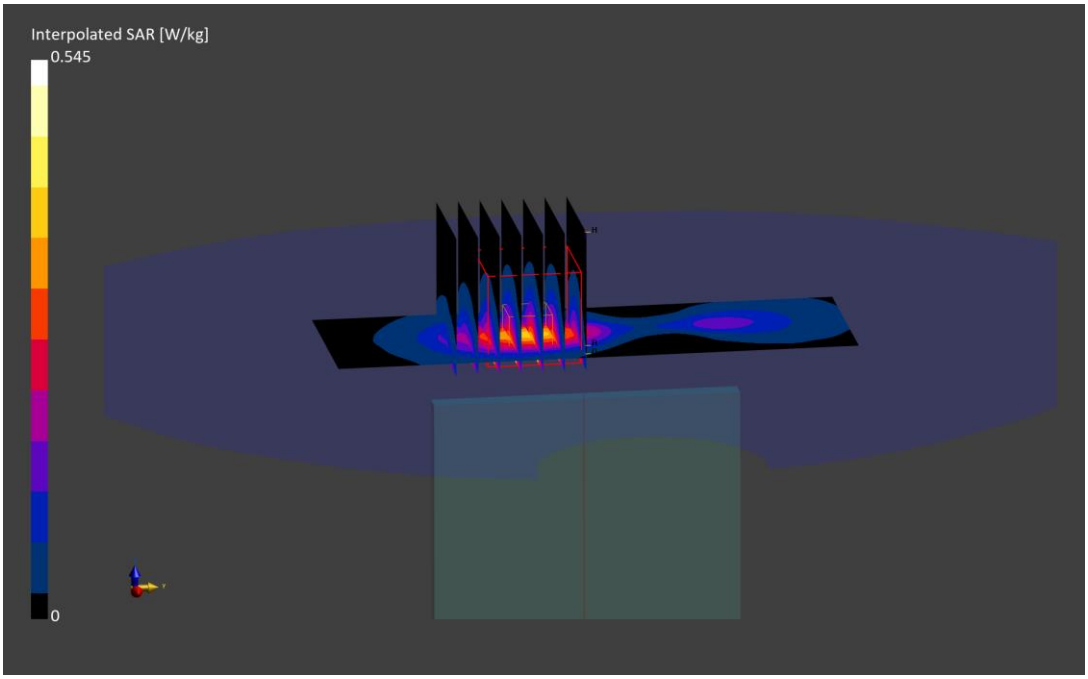
Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2506.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2506.0 MHz; cond = 2.07 S/m; perm = 50.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/27/2022; Ambient Temp: 23.0°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 41, Antenna B, Body SAR, Bottom Edge, Low Ch., 20 MHz Bandwidth, QPSK, 1 RB, 50 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 = 0.27 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.545 W/kg
**SAR(1 g) = 0.288 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 = 82.0 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1061M

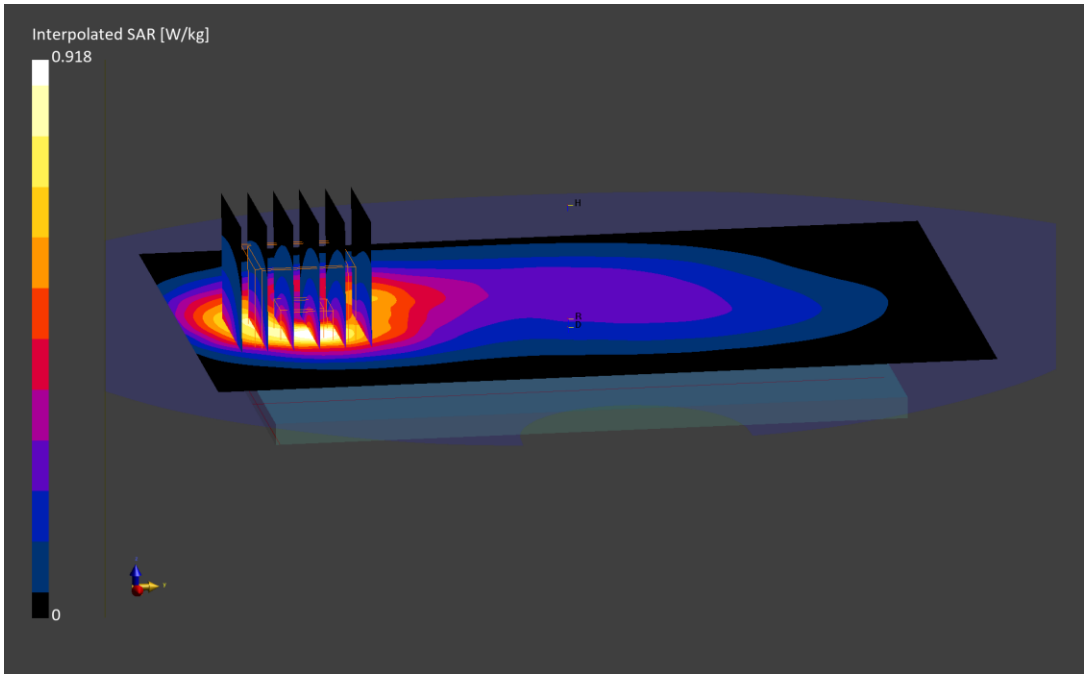
Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz
Medium: 835 Body; Medium parameters used:
f = 836.5 MHz; cond = 0.944 S/m; perm = 55.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/17/2023; Ambient Temp: 24.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7488; ConvF:(10.88,10.88,10.88); Calibrated: 2022-02-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: NR Band n5, Body SAR, Back Side, Ch. 167300, 20 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 28 RB Offset

**Area Scan (120.0 x 180.0):** 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 = 0.57 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.918 W/kg
**SAR(1 g) = 0.498 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 = 81.5 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1059M

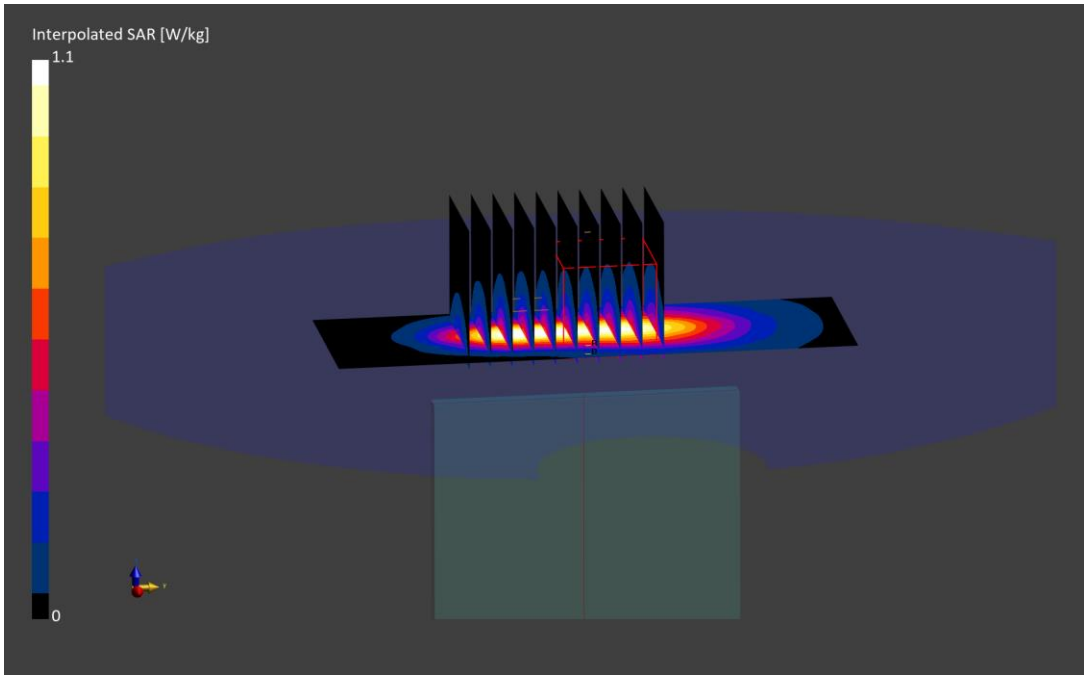
Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2593.0 MHz; cond = 2.14 S/m; perm = 50.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/13/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7410; ConvF:(7.45,7.45,7.45); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: NR Band n41, Antenna F, Body SAR, Top Edge, Ch. 518598, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 137 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 = 0.45 W/kg; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.10 W/kg
**SAR(1 g) = 0.506 W/kg**
Smallest distance from peaks to all points 3 dB below is 8.0 mm
Ratio of SAR at M2 to SAR at M1 = 76.9 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1052M

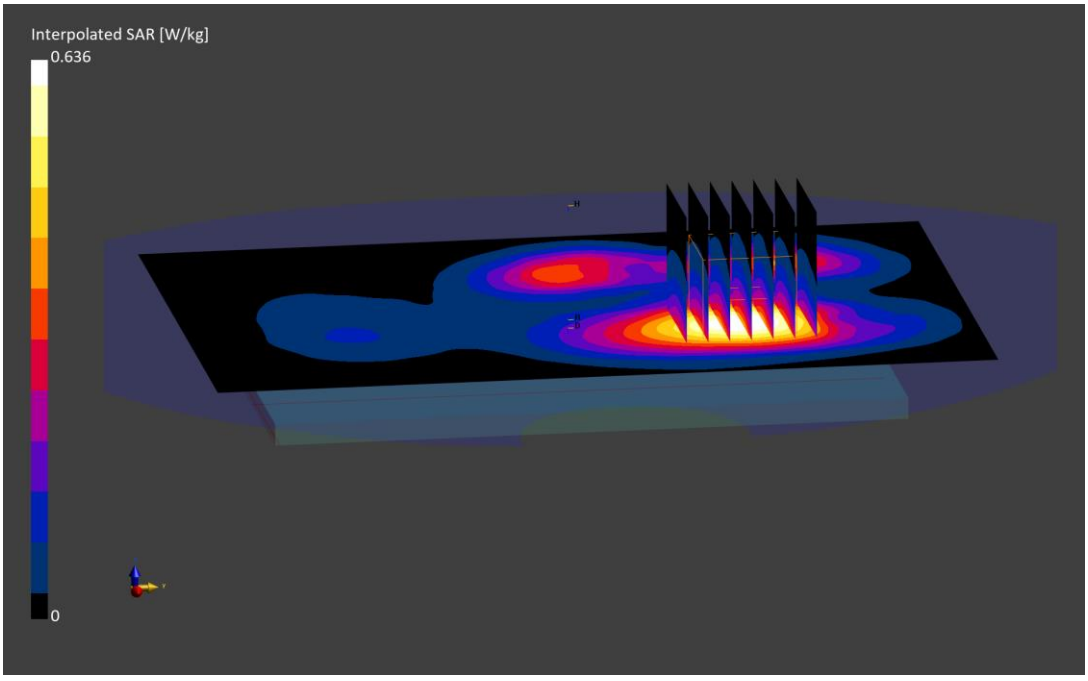
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2412.0 MHz; cond = 1.97 S/m; perm = 51.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/29/2022; Ambient Temp: 24.0°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (120.0 x 180.0):** 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 = 0.33 W/kg; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.636 W/kg
**SAR(1 g) = 0.364 W/kg**
Smallest distance from peaks to all points 3 dB below is 20.0 mm
Ratio of SAR at M2 to SAR at M1 = 82.6 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 2064M

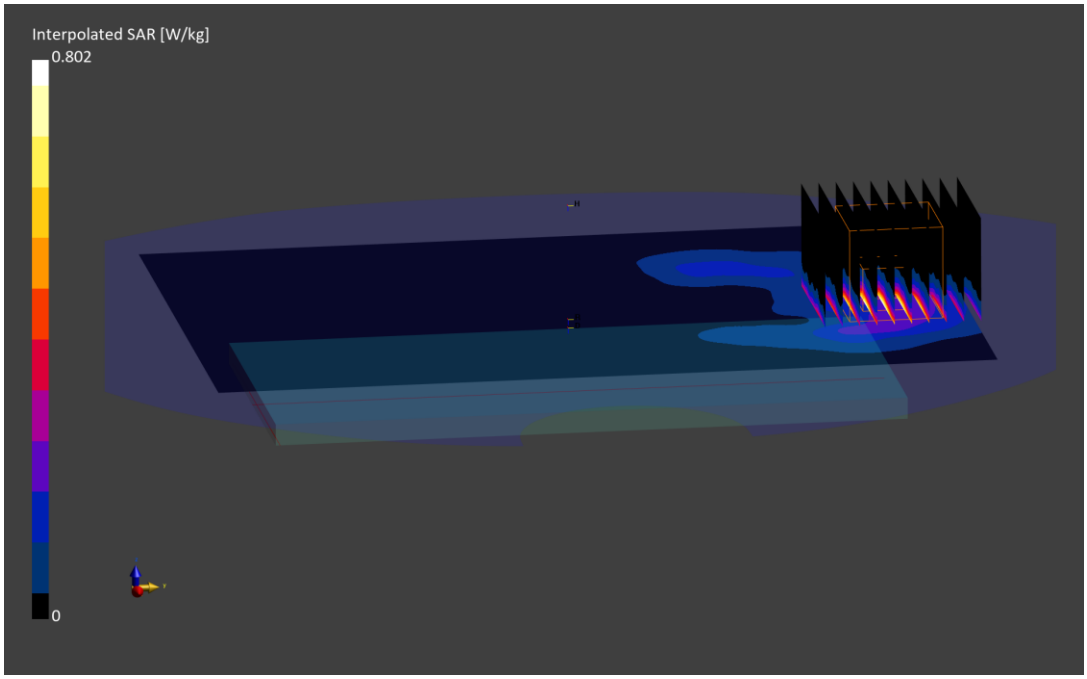
Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 5745.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5745.0 MHz; cond = 5.92 S/m; perm = 47.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/03/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.4°C

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

## Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-3, MIMO, Ch. 149, Body SAR, Back Side, 13 Mbps

**Area Scan (120.0 x 180.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = -0.01 W/kg; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.802 W/kg
**SAR(1 g) = 0.223 W/kg**
Smallest distance from peaks to all points 3 dB below is 11.9 mm
Ratio of SAR at M2 to SAR at M1 = 64.9 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1052M

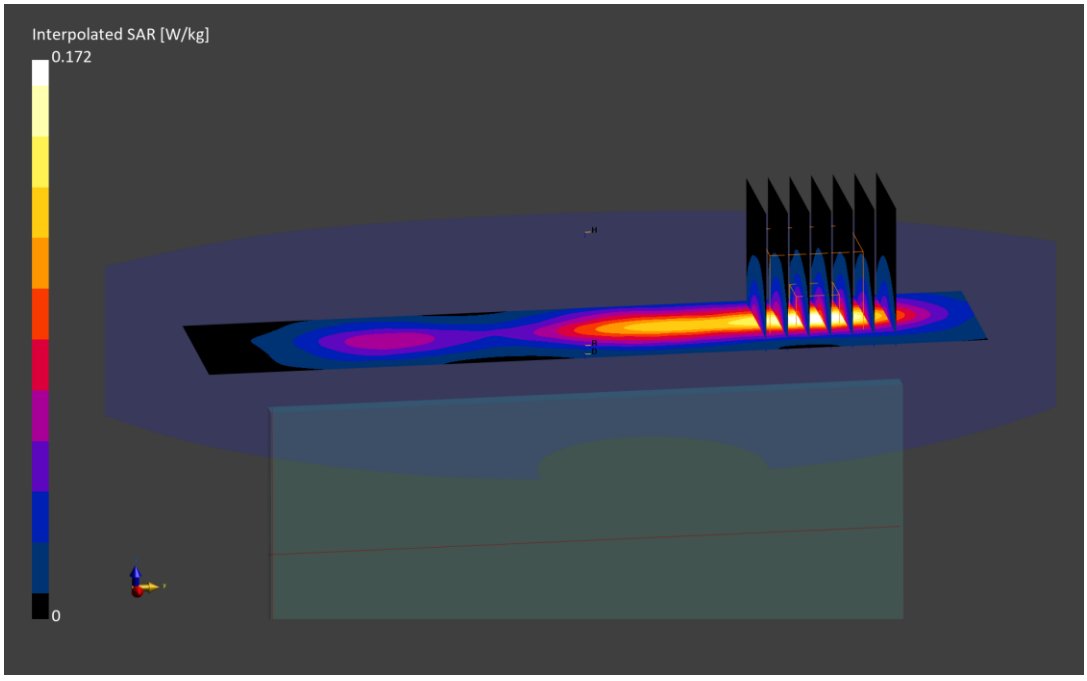
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2441.0 MHz; cond = 2.00 S/m; perm = 51.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/13/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (40.0 x 180.0):** 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 = 0.08 W/kg; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.172 W/kg
**SAR(1 g) = 0.084 W/kg**
Smallest distance from peaks to all points 3 dB below is 9.0 mm
Ratio of SAR at M2 to SAR at M1 = 78.3 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

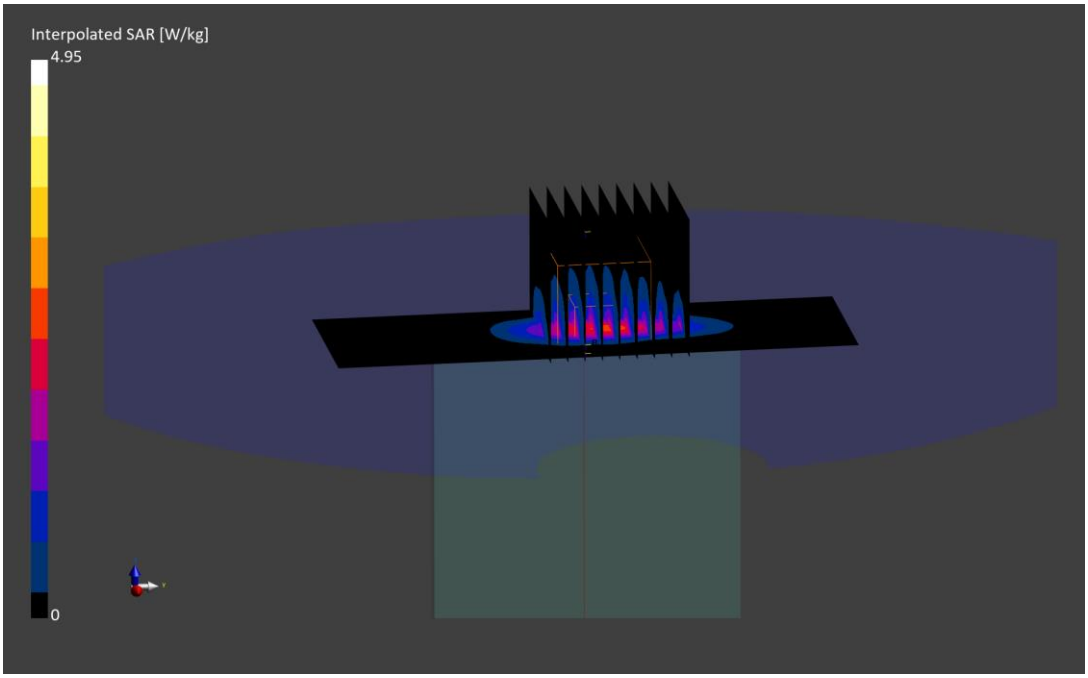
Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz
Medium: 1900 Body; Medium parameters used:
f = 1909.8 MHz; cond = 1.54 S/m; perm = 51.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/18/2022; Ambient Temp: 23.5°C; Tissue Temp: 23.0°C

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

## Mode: GPRS 1900, Phablet SAR, Bottom edge, High Ch., 4 Tx Slots

**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm
**Zoom Scan (32.0 x 32.0 x 30.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 1.58 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 4.95 W/kg
**SAR(10 g) = 0.839 W/kg**
Smallest distance from peaks to all points 3 dB below is 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 73.0 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1046M

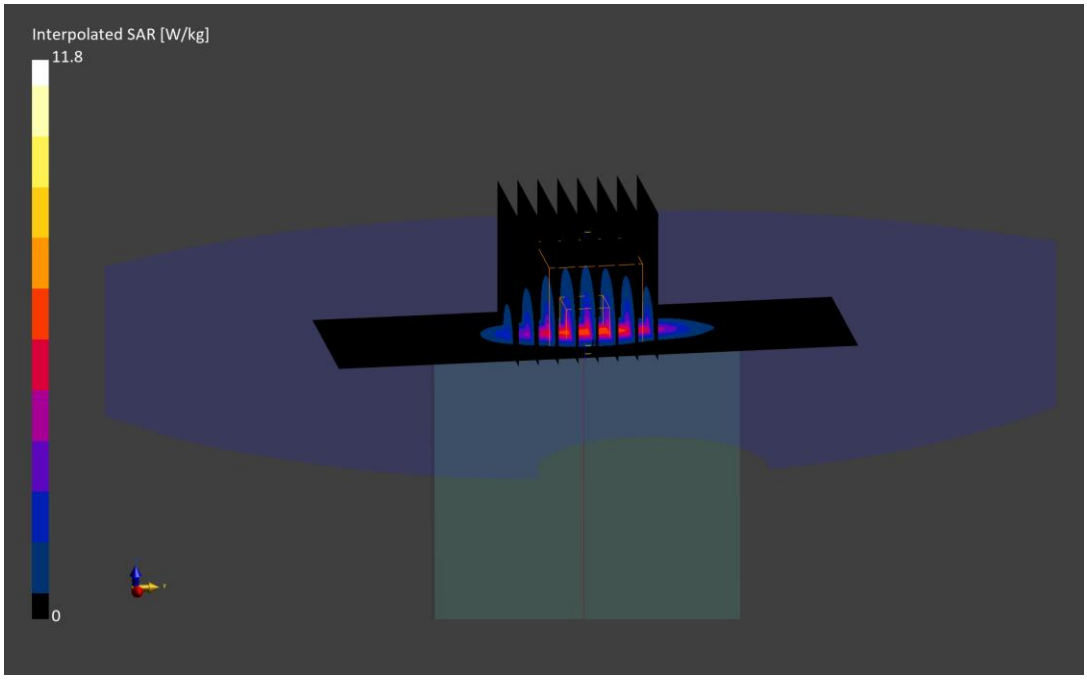
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1720.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1720.0 MHz; cond = 1.48 S/m; perm = 51.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/29/2022; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7406; ConvF:(8.06,8.06,8.06); Calibrated: 2022-07-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 66 (AWS), Phablet SAR, Bottom Edge, Low Ch, 20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset

**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=4.6 mm, dy=4.6 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 5.30 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 11.8 W/kg
**SAR(10 g) = 2.04 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 = 75.8 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

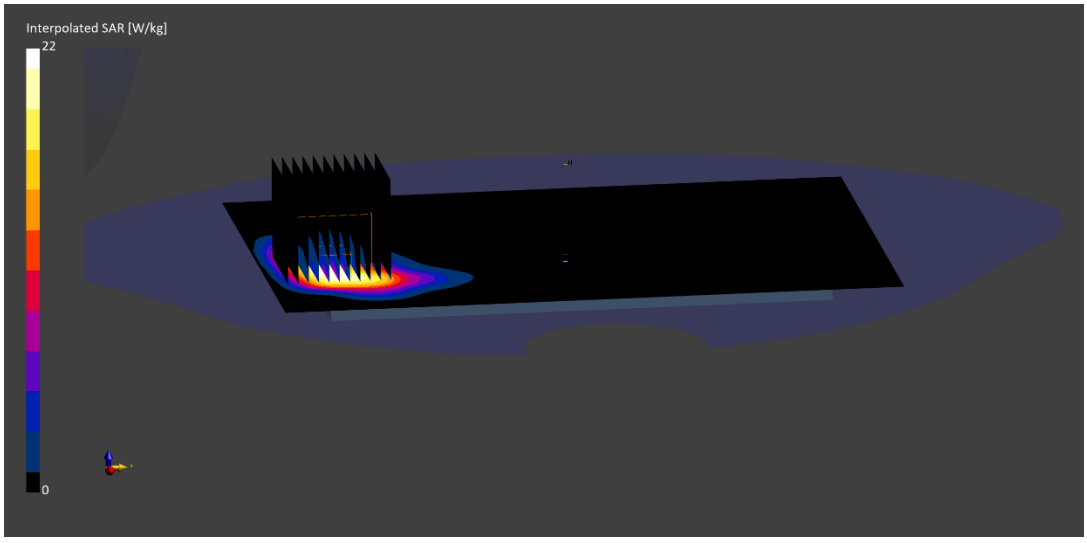
Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1900.0 MHz; cond = 1.54 S/m; perm = 52.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/10/2023; Ambient Temp: 21.1°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7551; ConvF:(7.83,7.83,7.83); Calibrated: 2022-11-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1323; Calibrated: 2022-11-10
Phantom: Twin-SAM V8.0; Serial: 2057
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: LTE Band 2, Phablet SAR, Back side, High Ch, 20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=3.0 mm, dy=3.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 6.61 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 22.0 W/kg
**SAR(10 g) = 2.41 W/kg**
Smallest distance from peaks to all points 3 dB below is 3.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.3 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1059M

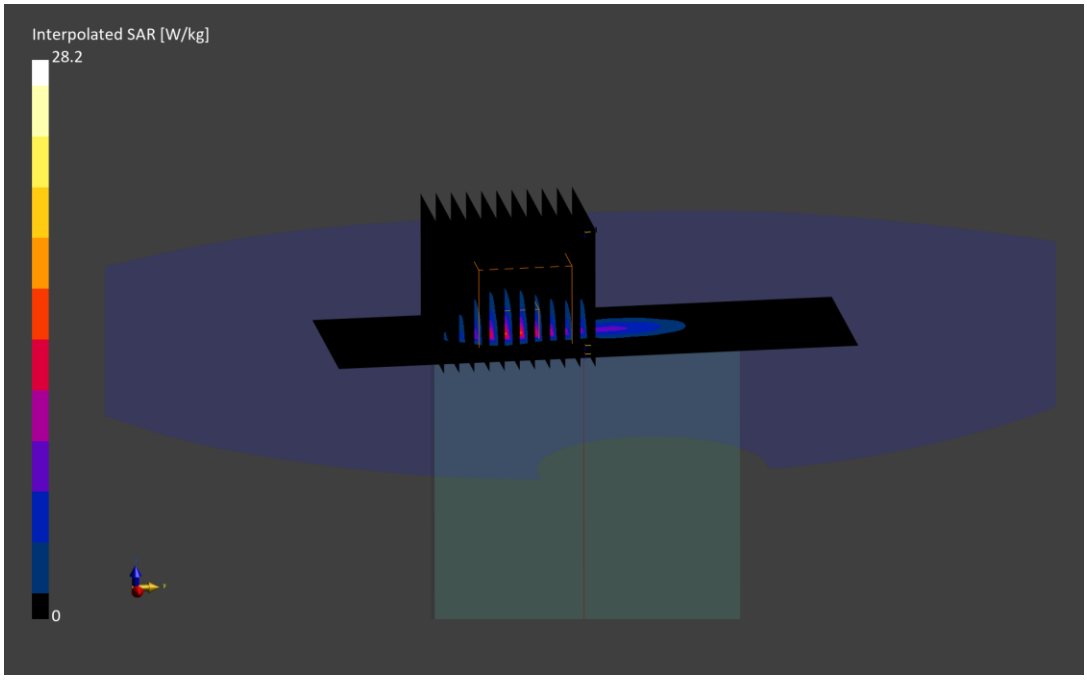
Communication System: UID:10868 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2593.0 MHz; cond = 2.14 S/m; perm = 50.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/13/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7410; ConvF:(7.45,7.45,7.45); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

## Mode: NR Band n41, Antenna F, Phablet SAR, Top Edge, Ch. 518598, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 270 RB, 0 RB Offset

**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm
**Zoom Scan (35.0 x 35.0 x 30.0):** Measurement grid: dx=3.5 mm, dy=3.5 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 7.43 W/kg; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 28.2 W/kg
**SAR(10 g) = 2.60 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 = 75.8 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1053M

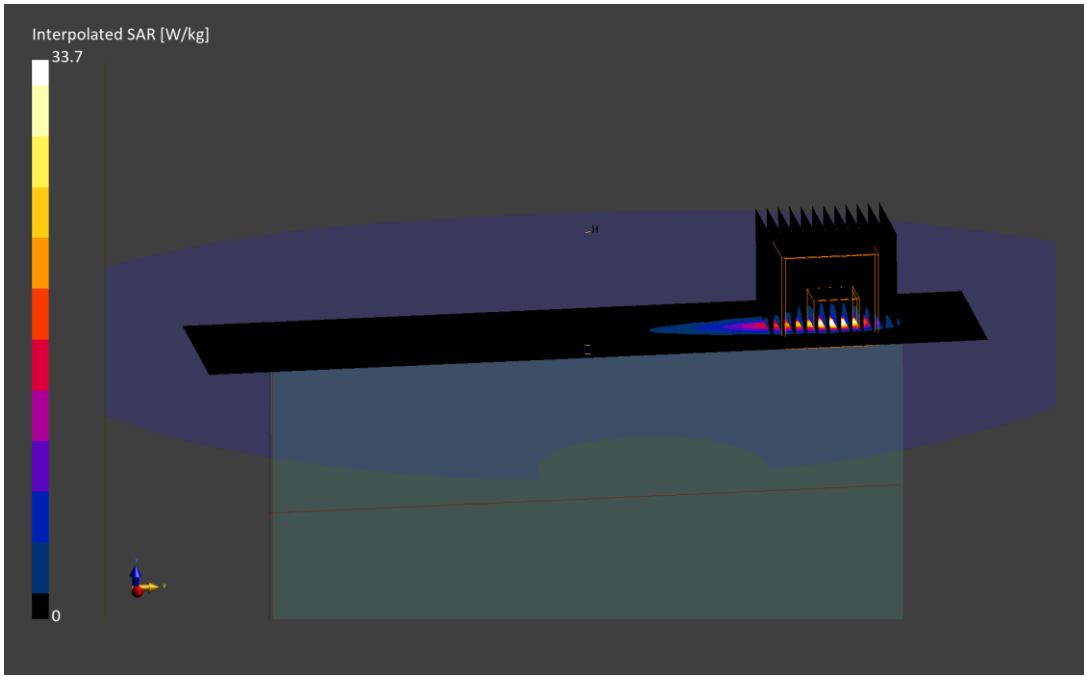
Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 5320.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5320.0 MHz; cond = 5.31 S/m; perm = 47.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/03/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.4°C

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

## Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-2A, MIMO, Ch. 64, Phablet SAR, Left Edge, 13 Mbps

**Area Scan (40.0 x 180.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2
Reference Value = 0.40 W/kg; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 33.7 W/kg
**SAR(10 g) = 1.46 W/kg**
Smallest distance from peaks to all points 3 dB below is 3.7 mm
Ratio of SAR at M2 to SAR at M1 = 64.7 %



# ELEMENT

## DUT: A3LSMS911JPN; Type: Portable Handset; Serial: 1043M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz
Medium: 30 Head; Medium parameters used:
f = 13.6 MHz; cond = 0.719 S/m; perm = 52.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/18/2023; Ambient Temp: 22.6°C; Tissue Temp: 22.0°C

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

## Mode: NFC, Phablet SAR, Back Side

**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.01 W/kg; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.314 W/kg
**SAR(10 g) = 0.025 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 = 58.7 %