

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

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; $\sigma = 0.918$ S/m; $\epsilon_r = 41.743$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Test Date: 09/28/2022; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: GSM 850, 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

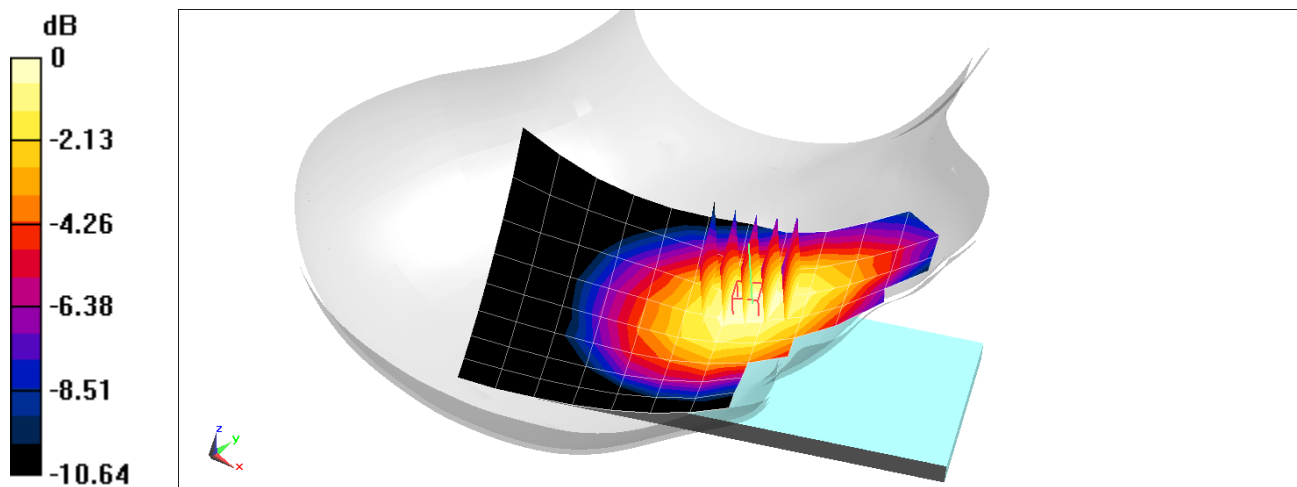
Reference Value = 12.37 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.137 W/kg

Smallest distance from peaks to all points 3 dB below = 20.3 mm

Ratio of SAR at M2 to SAR at M1 = 79.5%



0 dB = 0.161 W/kg = -7.93 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz

Medium: 1900 Head; Medium parameters used:

$f = 1850.2$ MHz; $\text{cond} = 1.37$ S/m; $\text{perm} = 40.3$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

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

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, 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

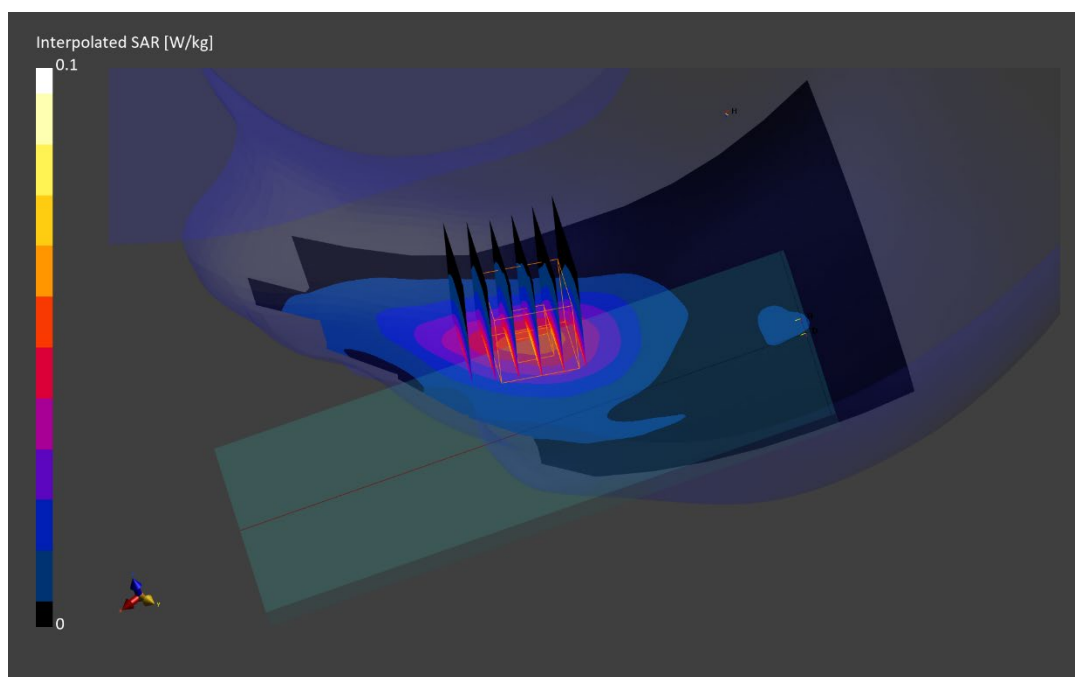
Reference Value = 0.05 W/kg; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.048 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 = 86.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Head; Medium parameters used (interpolated):

$f = 836.6 \text{ MHz}$; $\sigma = 0.918 \text{ S/m}$; $\epsilon_r = 41.743$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 09/28/2022; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Mode: UMTS 850, Right Head, Cheek, Mid.ch

Area Scan (9x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

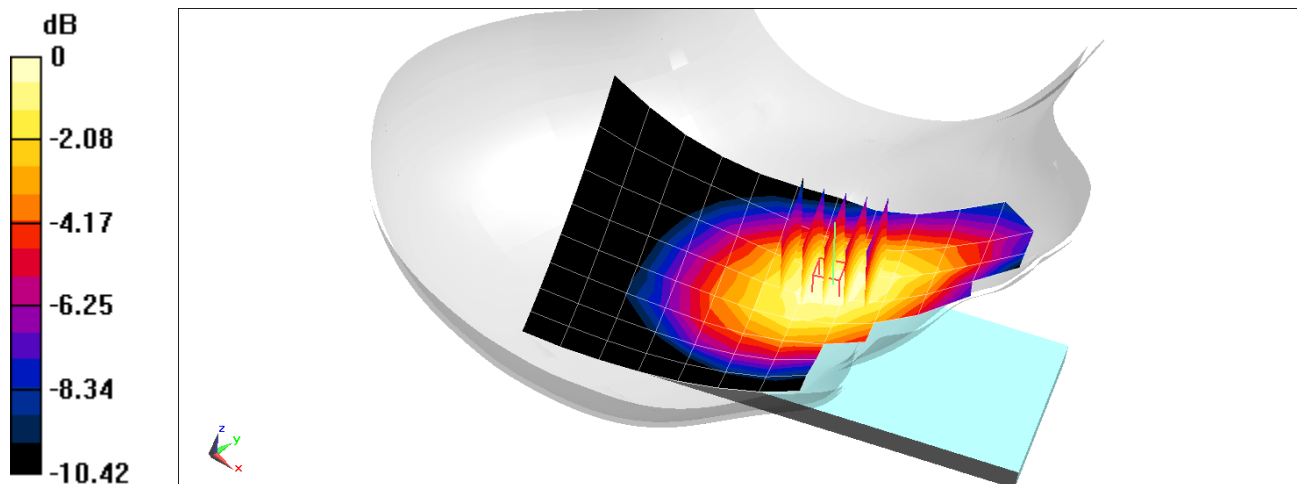
Reference Value = 14.35 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.183 W/kg

Smallest distance from peaks to all points 3 dB below = 21.4 mm

Ratio of SAR at M2 to SAR at M1 = 80.8%



0 dB = 0.215 W/kg = -6.68 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1732.4 MHz

Medium: 1750 Head; Medium parameters used:

$f = 1732.4$ MHz; $\text{cond} = 1.37$ S/m; $\text{perm} = 39.4$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

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

Probe: EX3DV4 - SN7660; ConvF:(9.38,9.38,9.38); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

Phantom: Twin-SAM V5.0; Serial: 1692rightback

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, 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

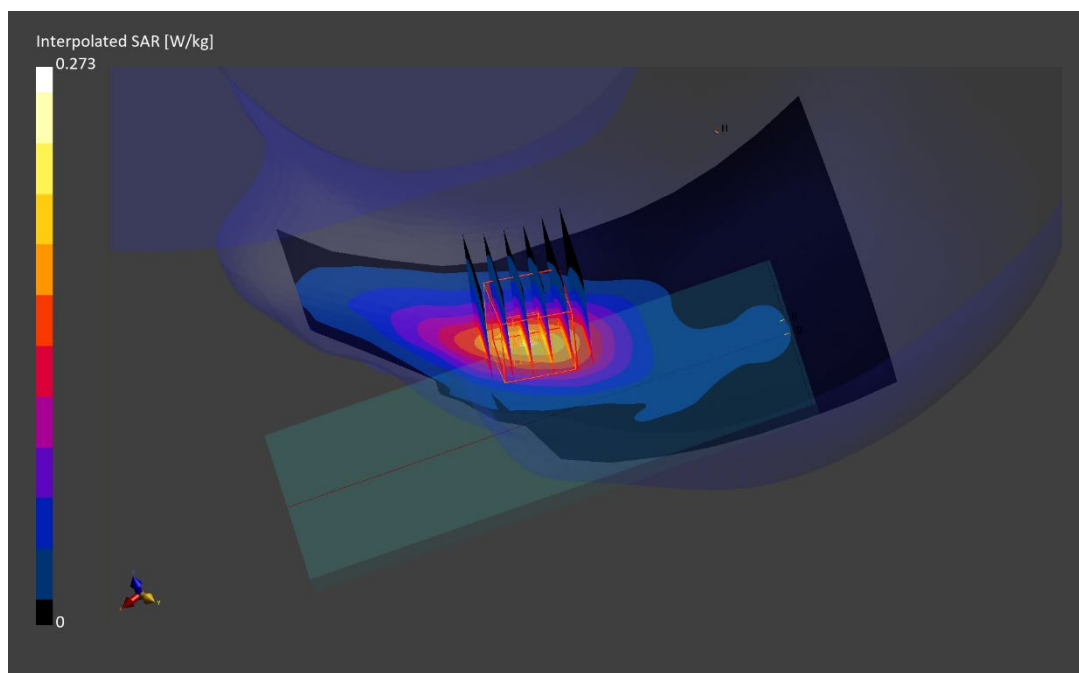
Reference Value = 0.15 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.273 W/kg

SAR(1 g) = 0.178 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 = 88.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1880.0 MHz; cond = 1.41 S/m; perm = 40.2; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

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

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, 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

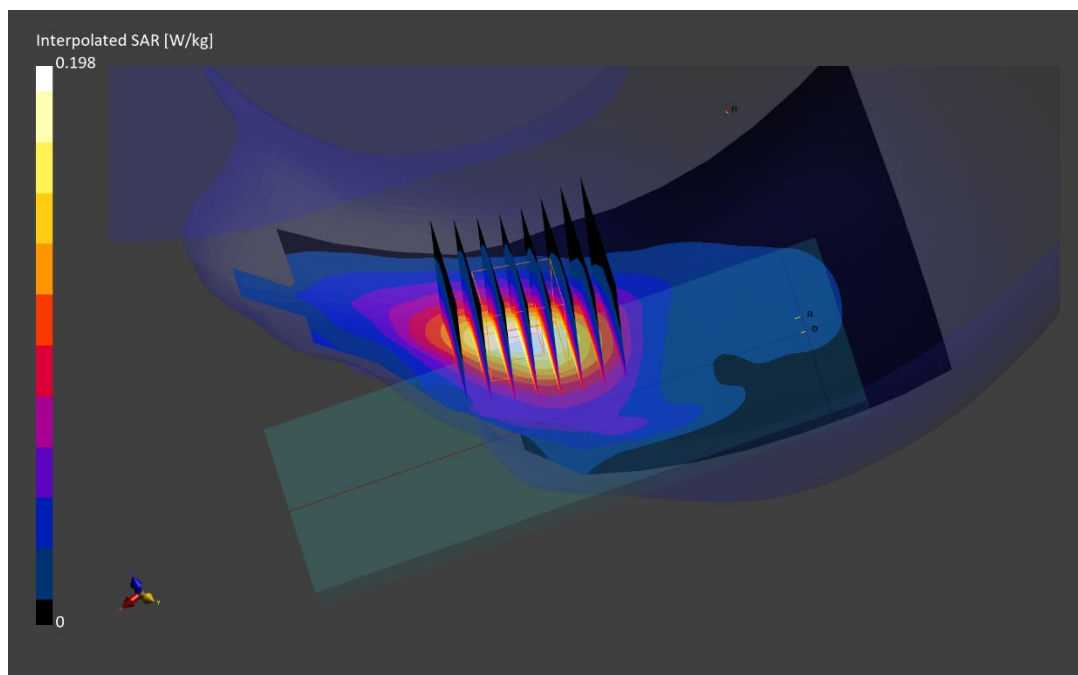
Reference Value = 0.14 W/kg; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.198 W/kg

SAR(1 g) = 0.135 W/kg

Smallest distance from peaks to all points 3 dB below is 13.8 mm

Ratio of SAR at M2 to SAR at M1 = 88.8 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

Communication System: UID 0, LTE Band 71; Frequency: 680.5 MHz; Duty Cycle: 1:1
 Medium: 750 Head Medium parameters used (interpolated):
 $f = 680.5 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 40.671$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Left Section

Test Date: 09/28/2022; Ambient Temp: 22.5°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7402; ConvF(10.57, 10.57, 10.57) @ 680.5 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

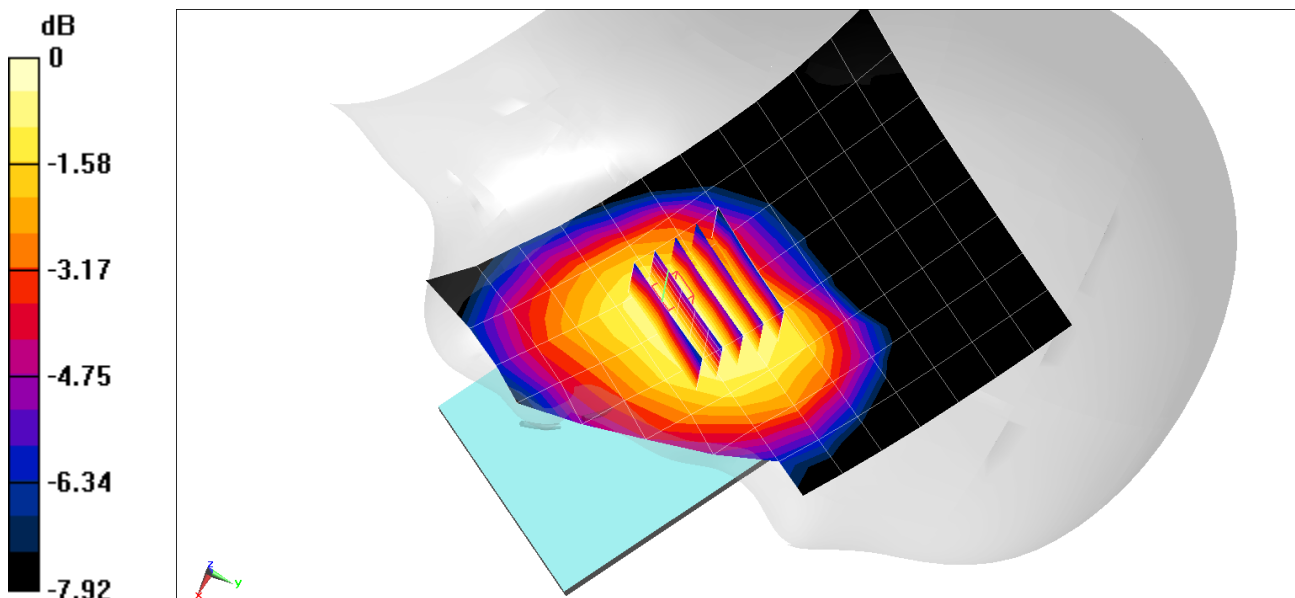
Reference Value = 12.09 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.154 W/kg

SAR(1 g) = 0.120 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 = 80.4%



0 dB = 0.142 W/kg = -8.48 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: 750 Head Medium parameters used (interpolated):

$f = 707.5 \text{ MHz}$; $\sigma = 0.858 \text{ S/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section;

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

Probe: EX3DV4 - SN7637; ConvF(10.45, 10.45, 10.45) @ 707.5 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Area Scan (9x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

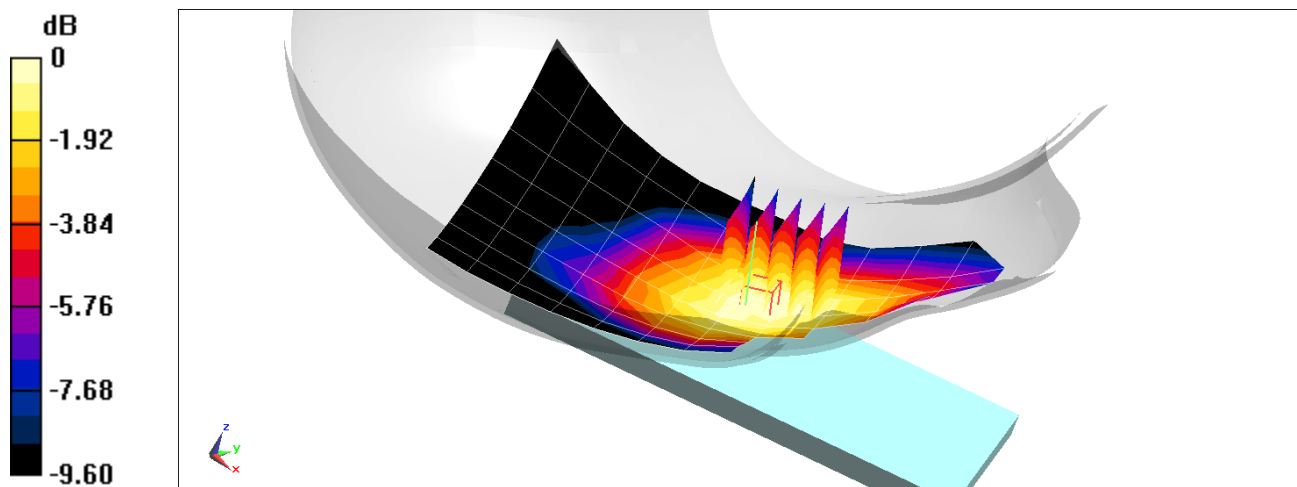
Reference Value = 13.83 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.158 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid ($> 16 \text{ mm}$)

Ratio of SAR at M2 to SAR at M1 = 83.1%



0 dB = 0.180 W/kg = -7.45 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: 750 Head Medium parameters used (interpolated):

$f = 782 \text{ MHz}$; $\sigma = 0.935 \text{ S/m}$; $\epsilon_r = 40.42$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 10/03/2022; Ambient Temp: 20.3°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7402; ConvF(10.57, 10.57, 10.57) @ 782 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Mode: LTE Band 13, Right Head, Cheek, Mid.ch
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset

Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

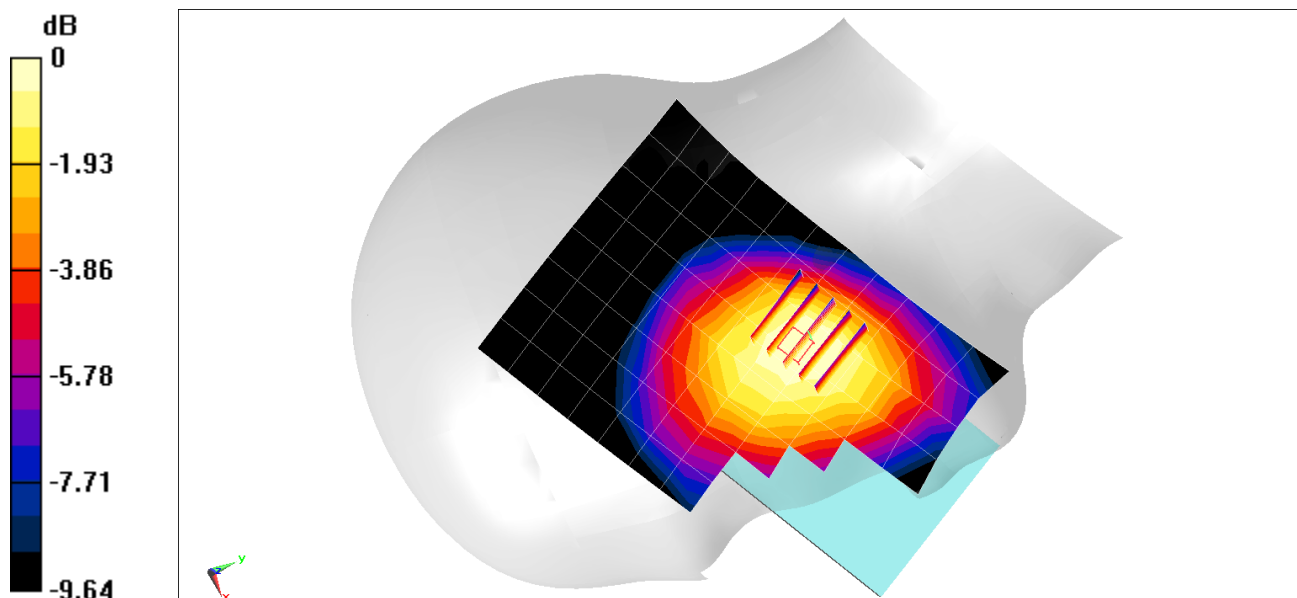
Reference Value = 14.64 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.188 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid ($> 16 \text{ mm}$)

Ratio of SAR at M2 to SAR at M1 = 79.6%



0 dB = 0.216 W/kg = -6.66 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

Communication System: UID 0, LTE Band 14; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: 750 Head; Medium parameters used (interpolated):

$f = 793 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.644$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 10/17/2022; Ambient Temp: 20.3°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7637; ConvF(10.45, 10.45, 10.45) @ 793 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 14, Right Head, Cheek, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset**

Area Scan (9x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

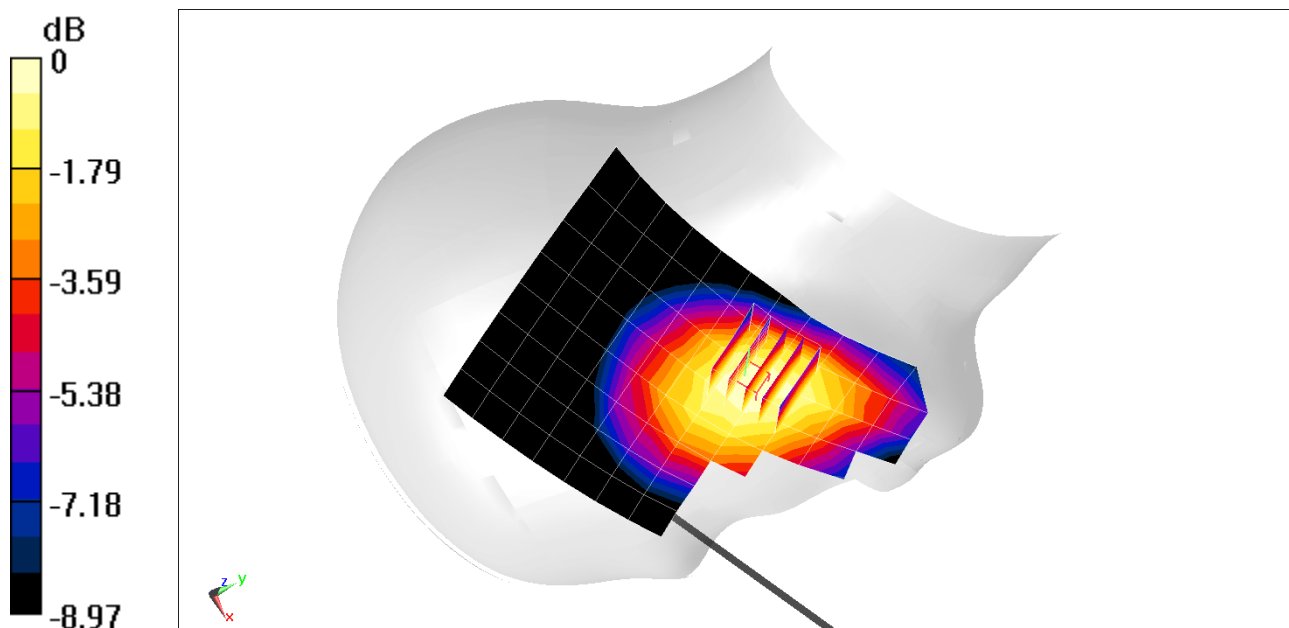
Reference Value = 15.57 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.196 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 82.2%



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

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1
 Medium: 835 Head; Medium parameters used (interpolated):
 $f = 831.5 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 41.755$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Right Section

Test Date: 09/28/2022; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

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

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

Area Scan (9x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

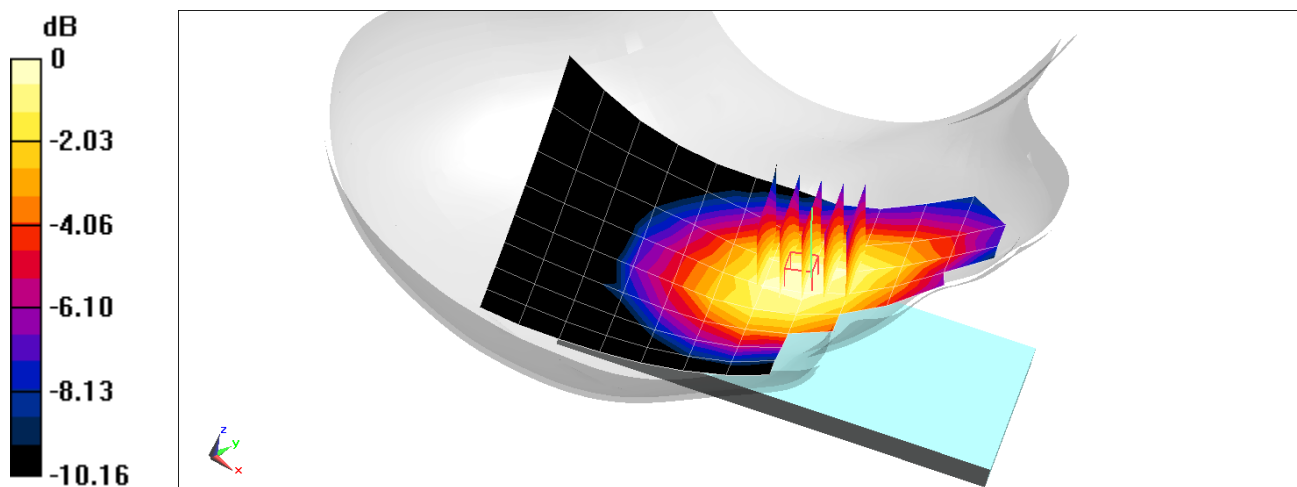
Reference Value = 14.85 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.185 W/kg

Smallest distance from peaks to all points 3 dB below = 20.9 mm

Ratio of SAR at M2 to SAR at M1 = 81.9%



0 dB = 0.214 W/kg = -6.70 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0649M

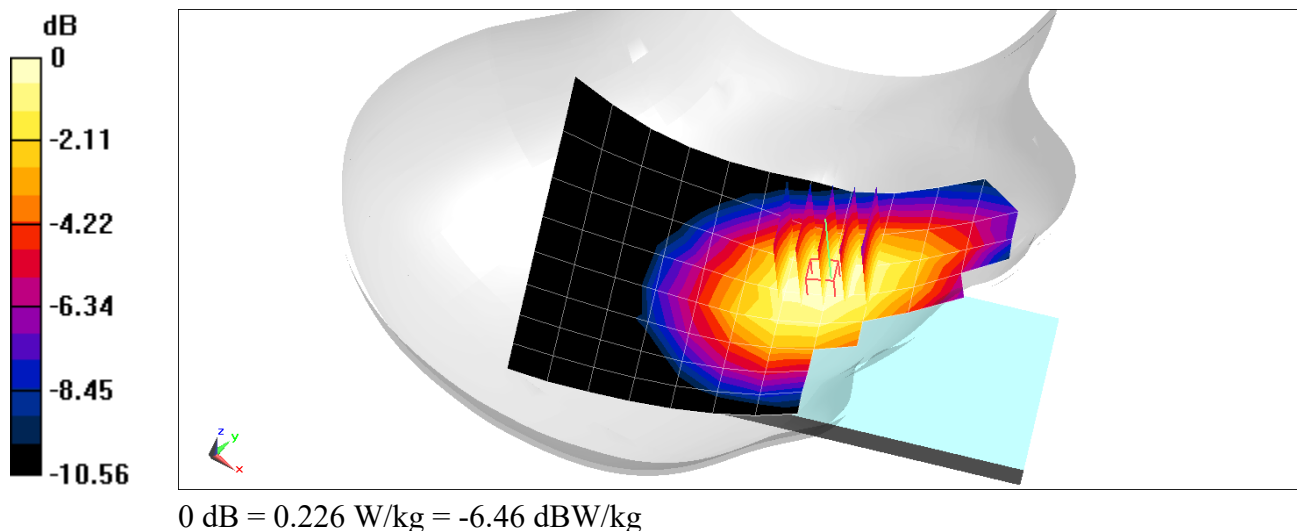
Communication System: UID 0, LTE Band 5 (Cell.); Frequency: 836.5 MHz; Duty Cycle: 1:1
 Medium: 835 Head; Medium parameters used (interpolated):
 $f = 836.5 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 42.732$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Right Section

Test Date: 10/04/2022; Ambient Temp: 19.8C; Tissue Temp: 19.2°C

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

Mode: LTE Band 5 (Cell.), ULCA 5B, Right Head, Cheek,
PCC: 10 MHz Bandwidth, Ch. 20525, QPSK 1RB, 0 RB offset,
SCC: 5 MHz Bandwidth, Ch. 20453, QPSK 1RB, 24 RB offset

Area Scan (9x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 15.25 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 0.243 W/kg
SAR(1 g) = 0.194 W/kg
 Smallest distance from peaks to all points 3 dB below = 21.8 mm
 Ratio of SAR at M2 to SAR at M1 = 79.6%



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2678M

Communication System: UID:10154 - CAG, LTE-FDD; MAIA: Y; Frequency: 1715.0 MHz

Medium: 1750 Head; Medium parameters used:

f = 1715.0 MHz; cond = 1.36 S/m; perm = 39.1; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/17/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7488; ConvF:(8.52,8.52,8.52); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66 (AWS), Antenna F, Right Head, Tilt, Low Ch.,
10 MHz Bandwidth, QPSK, 25 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=5.6 mm, dy=5.6 mm, dz=1.5 mm; Graded Ratio: 1.5

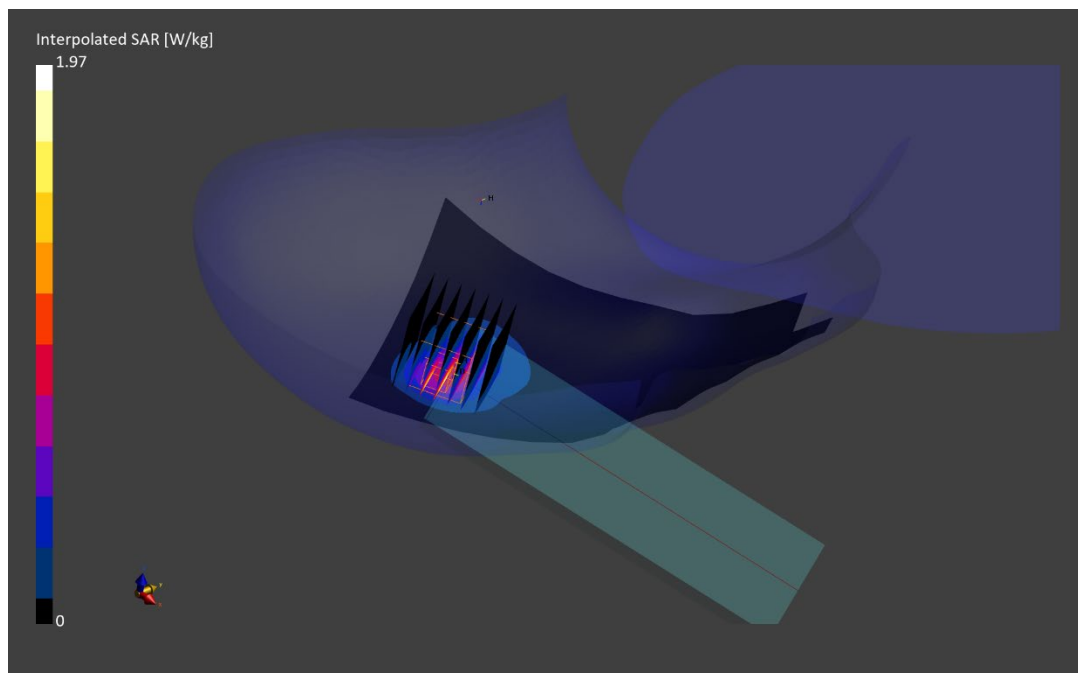
Reference Value = 0.90 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.895 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 = 76.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2686M

Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1860.0 MHz; cond = 1.38 S/m; perm = 38.8; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

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

Probe: EX3DV4 - SN7532; ConvF:(8.37,8.37,8.37); Calibrated: 2022-04-22

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

Electronics: DAE4 Sn501; Calibrated: 2022-04-13

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

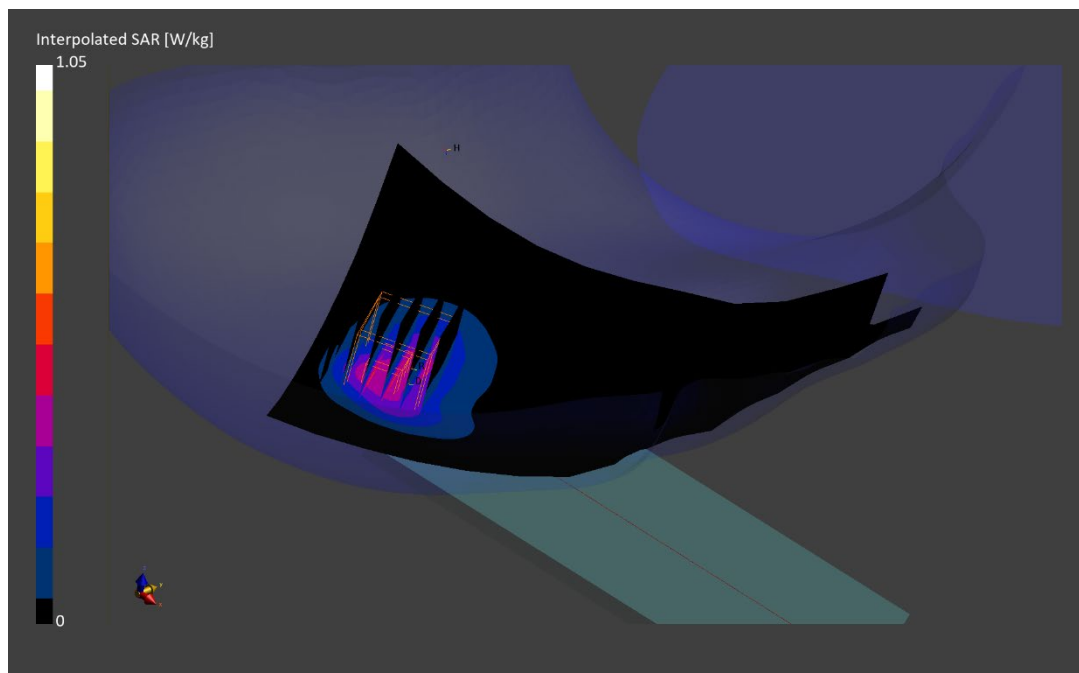
Reference Value = 0.61 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.487 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 = 75.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2686M

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.73$ S/m; $\text{perm} = 40.3$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/07/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7546; ConvF:(7.56,7.56,7.56); Calibrated: 2022-04-22

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

Electronics: DAE4 Sn1402; Calibrated: 2022-04-14

Phantom: Twin-SAM V8.0; Serial: 2070

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 30, Right Head, Tilt, Mid Ch.,
10 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

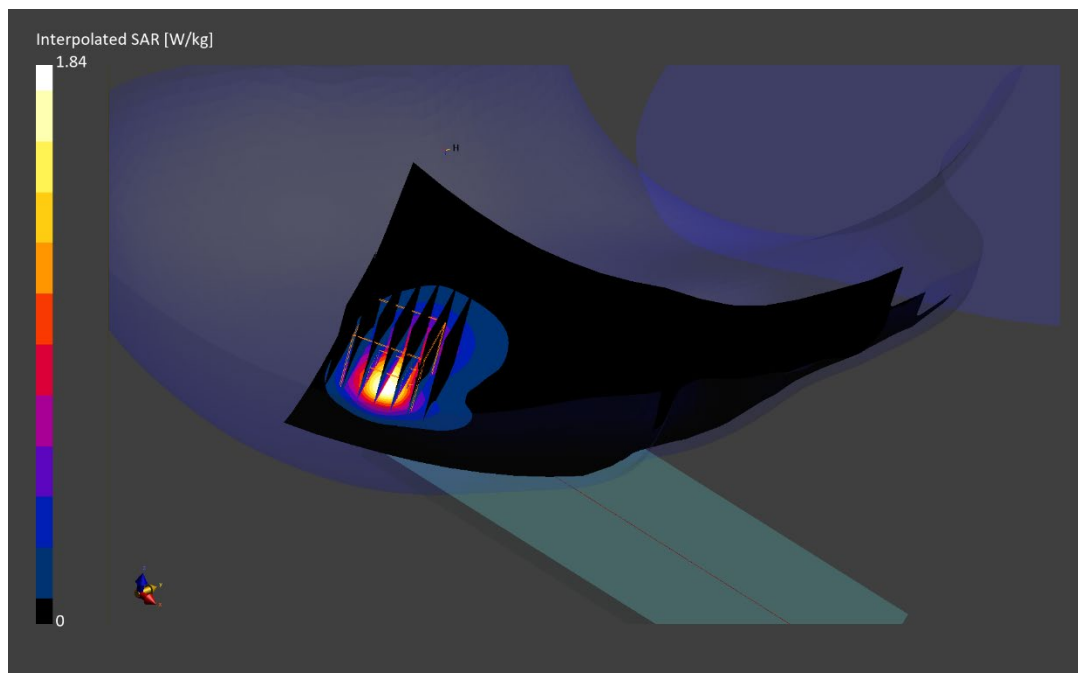
Reference Value = 0.72 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.760 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 = 75.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2632M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 2560.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2560.0$ MHz; $\text{cond} = 1.98$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/20/2022; Ambient Temp: 22.3°C; Tissue Temp: 22.8°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 7, Antenna F, Right Head, Tilt, High Ch,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.9$ mm, $dy=4.9$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

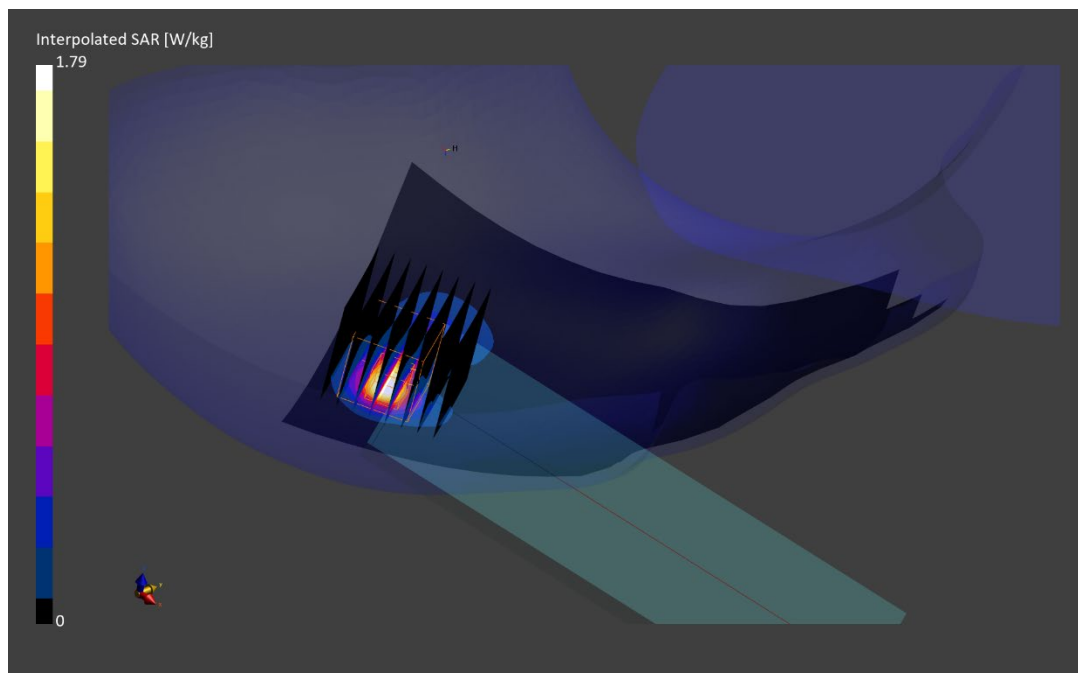
Reference Value = 0.88 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.776 W/kg

Smallest distance from peaks to all points 3 dB below is 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 79.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0380M

Communication System: UID:10151 - CAG, LTE-TDD; MAIA: Y; Frequency: 2680.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2680.0$ MHz; $\text{cond} = 1.96$ S/m; $\text{perm} = 38.3$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/01/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.4°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, HPUE, Antenna F, Right Head, Tilt, High 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

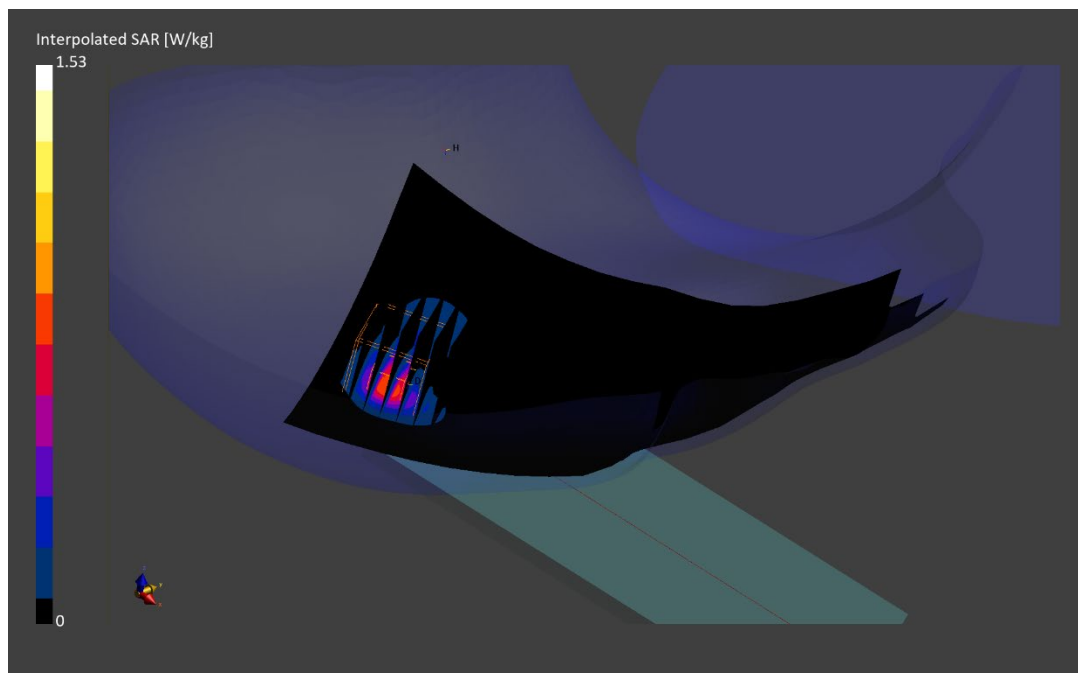
Reference Value = 0.73 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.647 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 = 75.8 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2680M

Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 3690.0 MHz

Medium: 3600 Head; Medium parameters used:

$f = 3690.0$ MHz; $\text{cond} = 3.04$ S/m; $\text{perm} = 38.9$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/10/2022; Ambient Temp: 22.0°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7410; ConvF:(6.98,6.98,6.98); Calibrated: 2022-07-19

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

Electronics: DAE4 Sn1583; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 1630

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 48, ULCA 48C, Antenna F, Right Head, Cheek,

PCC: Ch. 56640, 20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset

SCC: Ch. 56009, 20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

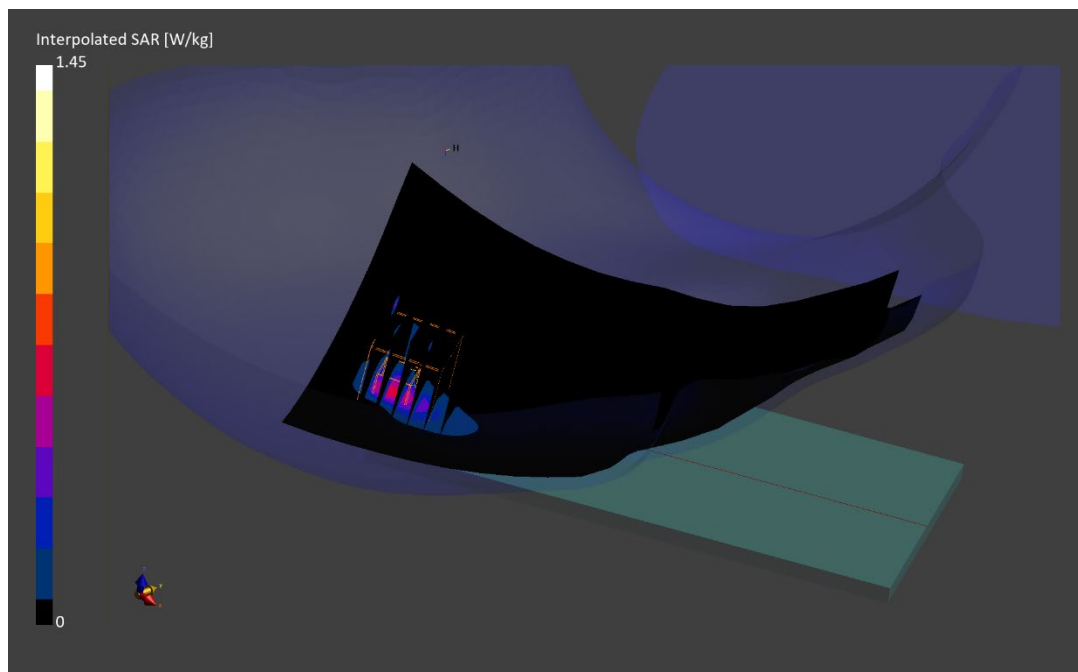
Reference Value = 0.50 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.479 W/kg

Smallest distance from peaks to all points 3 dB below is 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 73.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0617M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 680.5 MHz

Medium: 750 Head; Medium parameters used:

$f = 680.5$ MHz; $\text{cond} = 0.882$ S/m; $\text{perm} = 41.5$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/27/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7527; ConvF:(9.46,9.46,9.46); 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 n71, Left Head, Cheek, Ch. 136100, 20 MHz Bandwidth,
DFT-s-OFDM QPSK, 50 RB, 28 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

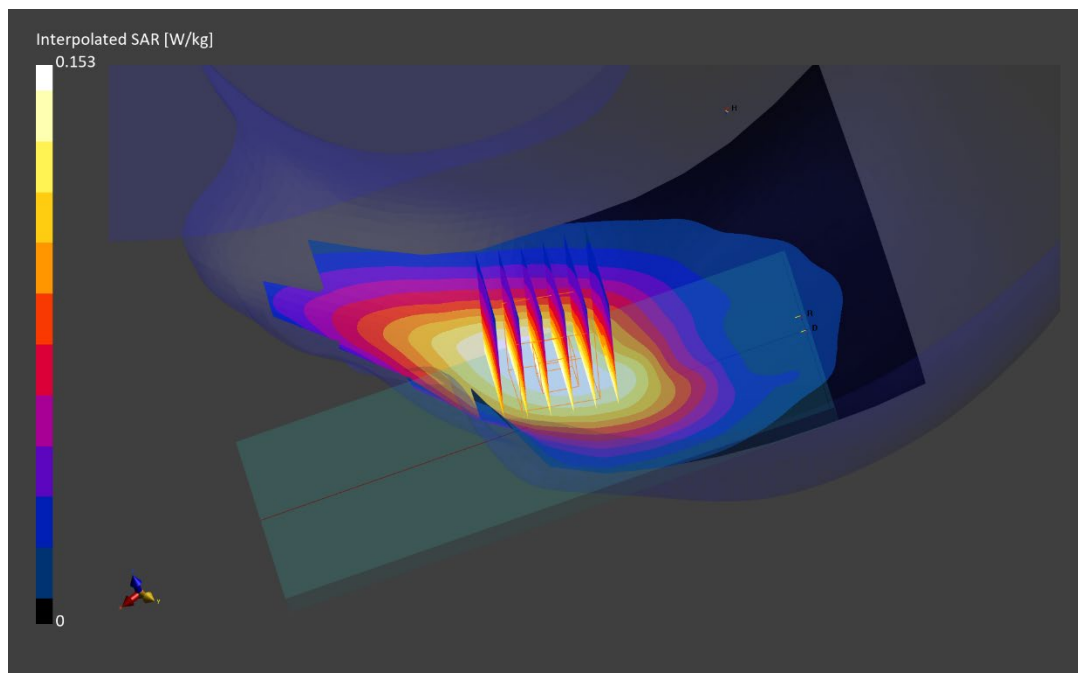
Reference Value = 0.14 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.154 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 = 95.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0617M

Communication System: UID:10938 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 707.5 MHz

Medium: 750 Head; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.885$ S/m; $\text{perm} = 41.1$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/29/2022; Ambient Temp: 21.3°C; Tissue Temp: 20°C

Probe: EX3DV4 - SN7527; ConvF:(9.46,9.46,9.46); 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 n12, Left Head, Cheek, Ch. 141500, 15 MHz Bandwidth,
DFT-s-OFDM QPSK, 36 RB, 22 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (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

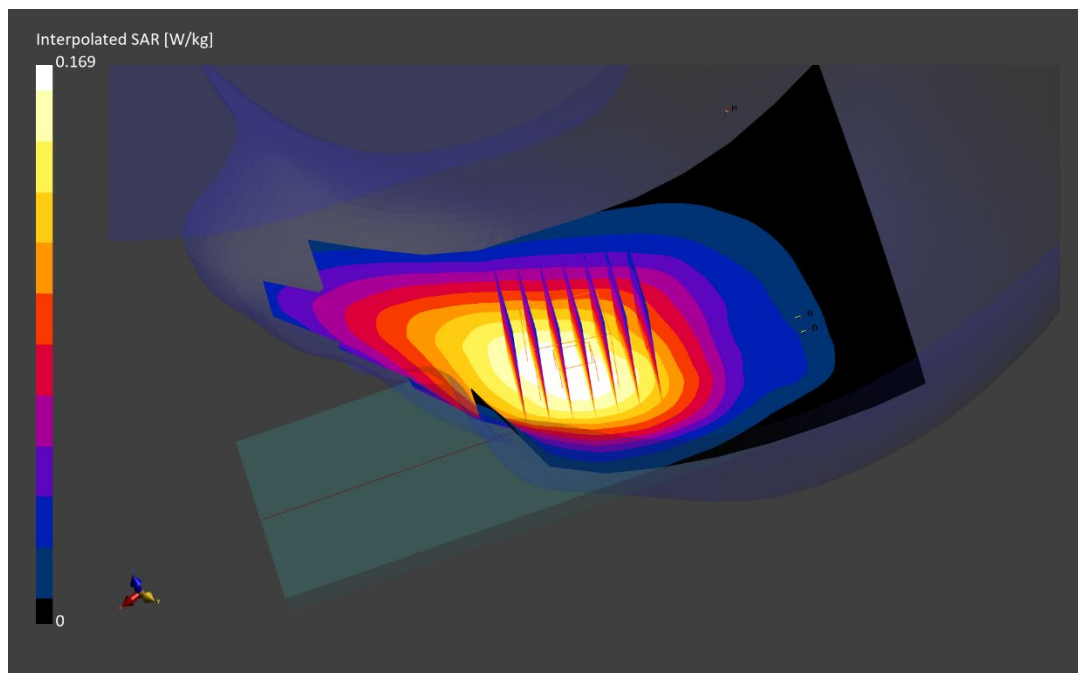
Reference Value = 0.16 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.143 W/kg

Smallest distance from peaks to all points 3 dB below is > 18.0 mm

Ratio of SAR at M2 to SAR at M1 = 96.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0630M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 831.5 MHz

Medium: 750 Head; Medium parameters used:

$f = 831.5$ MHz; $\text{cond} = 0.925$ S/m; $\text{perm} = 41.9$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/18/2022; Ambient Temp: 23.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(9.58,9.58,9.58); Calibrated: 2022-06-16

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

Electronics: DAE4 Sn1334; Calibrated: 2022-06-14

Phantom: Twin-SAM V5.0; Serial: 1792

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

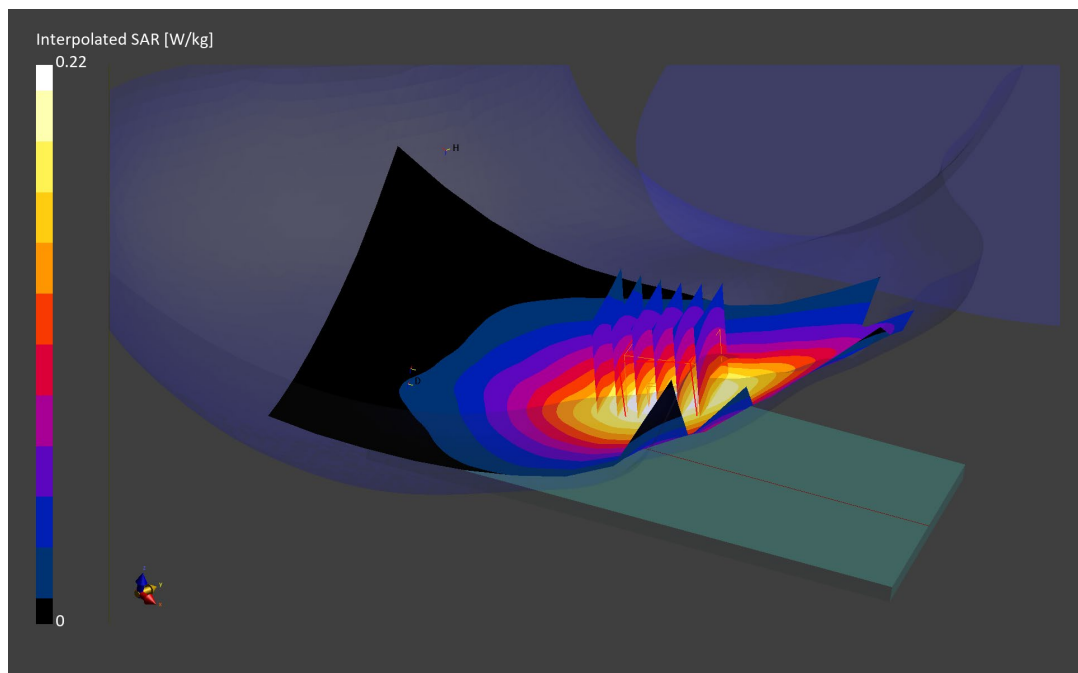
Reference Value = 0.17 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.178 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 95.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2656M

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Head; Medium parameters used:

$f = 1745.0$ MHz; $\text{cond} = 1.34$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

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

Probe: EX3DV4 - SN7488; ConvF:(8.52,8.52,8.52); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n66, Antenna F, Right Head, Tilt, Ch. 349000, 40 MHz Bandwidth,
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

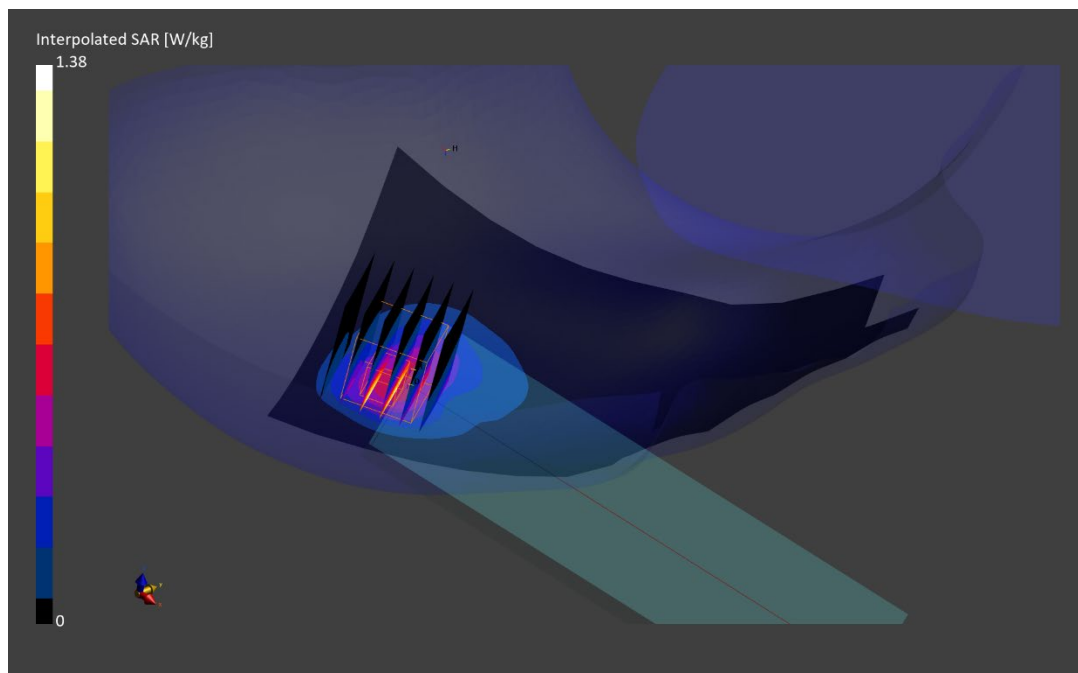
Reference Value = 0.75 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.684 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 = 78.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2656M

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Head; Medium parameters used:

$f = 1882.5$ MHz; $\text{cond} = 1.39$ S/m; $\text{perm} = 39.8$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/30/2022; Ambient Temp: 24.2°C; Tissue Temp: 24.3°C

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

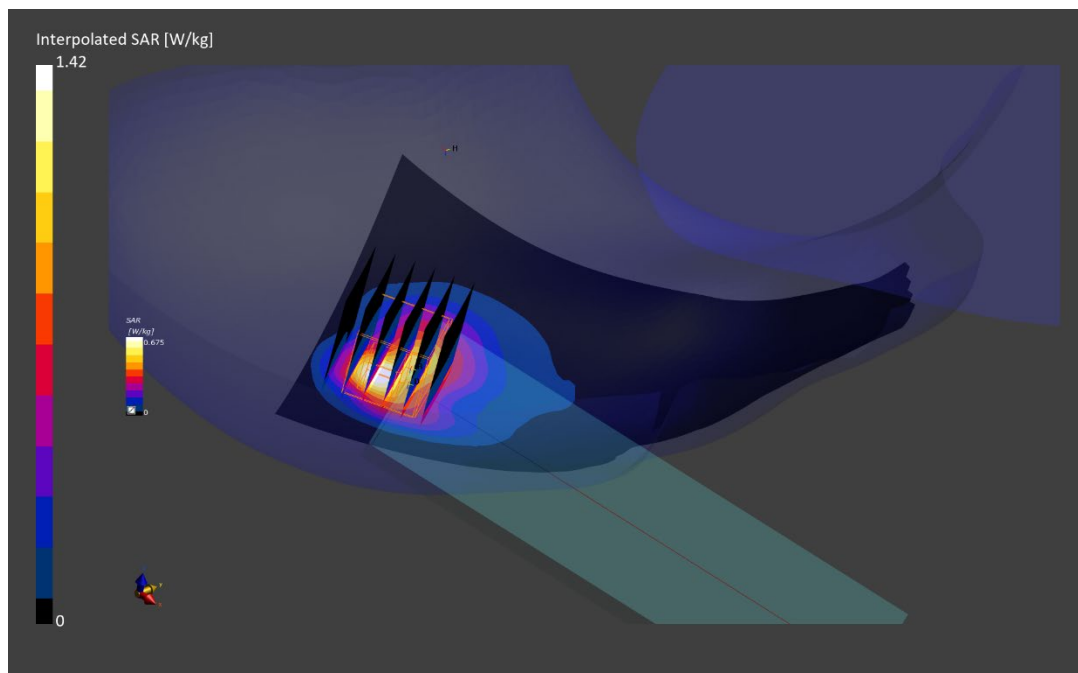
Reference Value = 0.72 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.689 W/kg

Smallest distance from peaks to all points 3 dB below is 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 77.7 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2032M

Communication System: UID:10768 - AAD, CW; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.70$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

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

Probe: EX3DV4 - SN7488; ConvF:(8.29,8.29,8.29); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (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

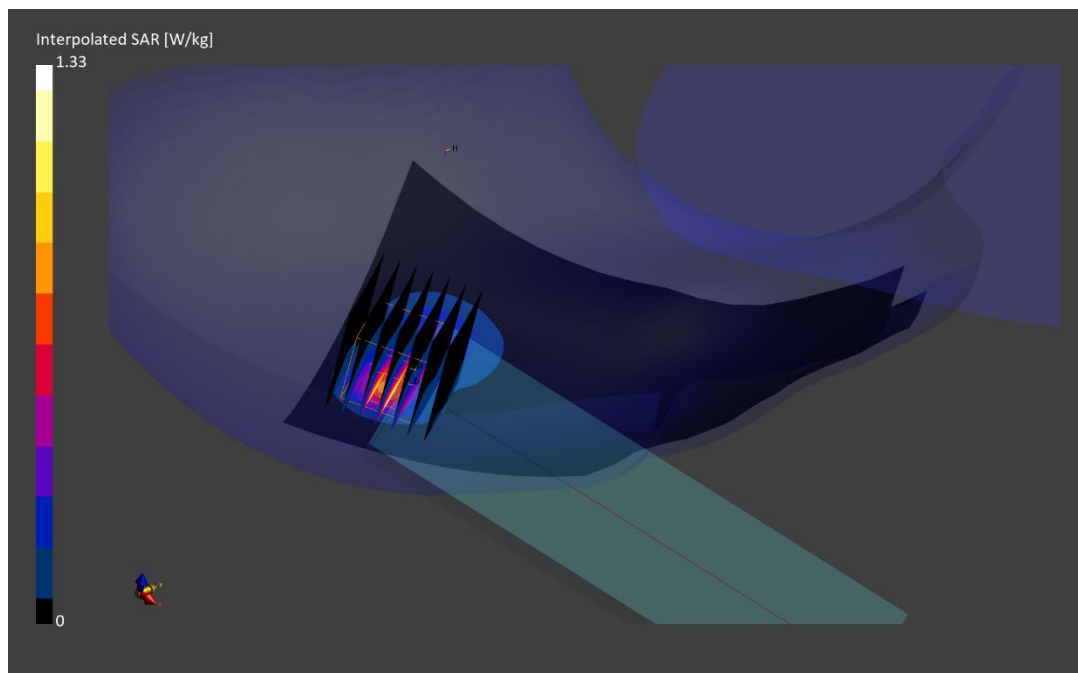
Reference Value = 0.65 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.595 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 77.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2613M

Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2535.0$ MHz; $\text{cond} = 1.87$ S/m; $\text{perm} = 39.1$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/24/2022; Ambient Temp: 23.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.97,6.97,6.97); Calibrated: 2022-06-16

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

Electronics: DAE4 Sn1334; Calibrated: 2022-06-14

Phantom: Twin-SAM V5.0; Serial: 1792

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n7, Right Head, Tilt, Ch. 507000, 40 MHz Bandwidth
DFT-s-OFDM QPSK, 108 RB, 108 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

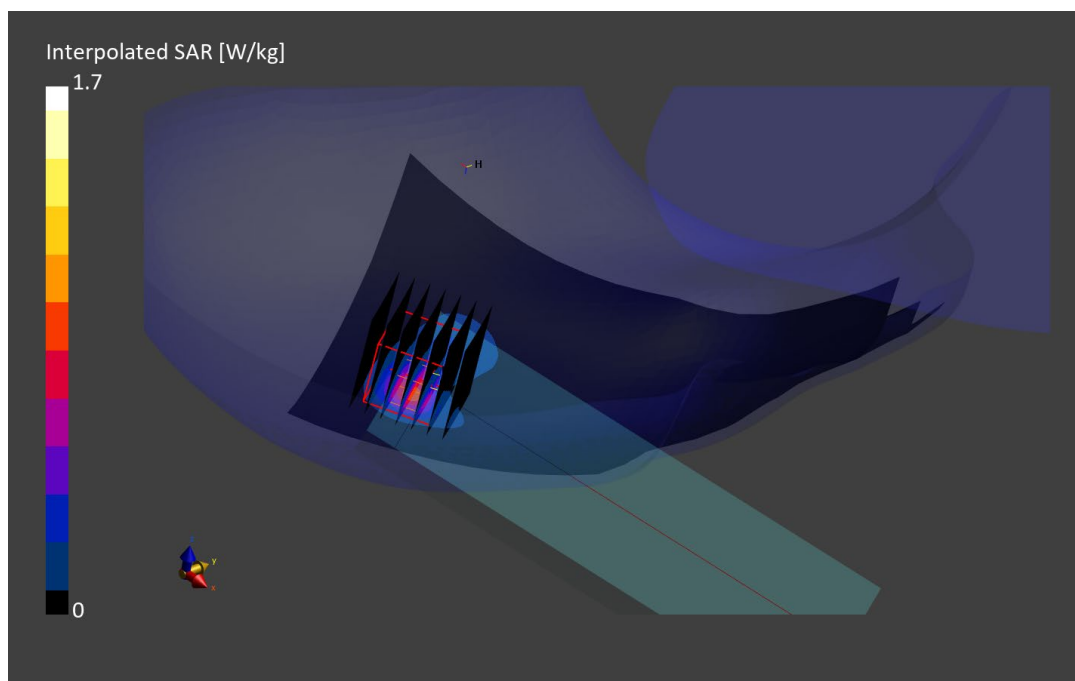
Reference Value = 0.59 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.678 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 = 73.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2619M

Communication System: UID 0, NR Band n41; Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium: 2450 Head; Medium parameters used (interpolated):
 $f = 2592.99 \text{ MHz}$; $\sigma = 1.932 \text{ S/m}$; $\epsilon_r = 38.273$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

Test Date: 10/04/2022; Ambient Temp: 23.0°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7491; ConvF(7.72, 7.72, 7.72) @ 2592.99 MHz; Calibrated: 6/29/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Area Scan (10x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

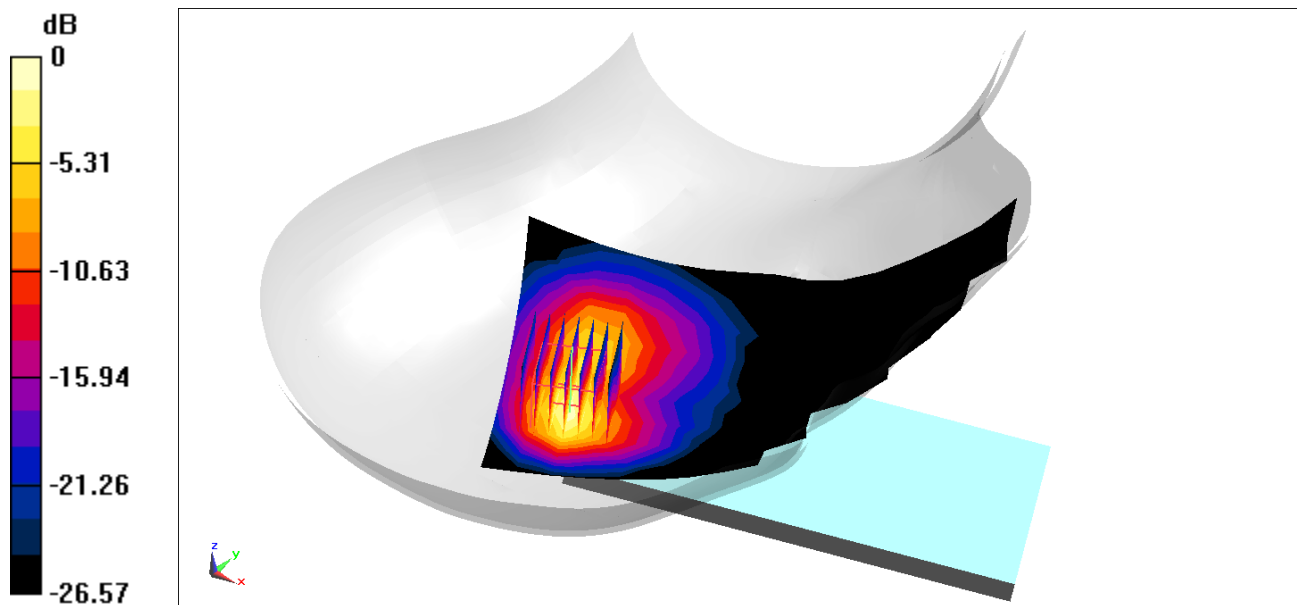
Reference Value = 23.65 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.753 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 42.3%



0 dB = 1.44 W/kg = 1.58 dBW/kg

ELEMENT

DUT: A3LSMS196U; Type: Portable Handset; Serial: 2648M

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3625.0 MHz

Medium: 3600 Head; Medium parameters used:

$f = 3625.0$ MHz; $\text{cond} = 2.93$ S/m; $\text{perm} = 37.7$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/10/2022; Ambient Temp: 21.3°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7416; ConvF:(6.43,6.43,6.43); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn701; Calibrated: 2022-05-16

Phantom: Twin-SAM V8.0; Serial: 2071

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n48, Antenna F, Right Head, Tilt, Ch.641666,
40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=4.1$ mm, $dy=4.1$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

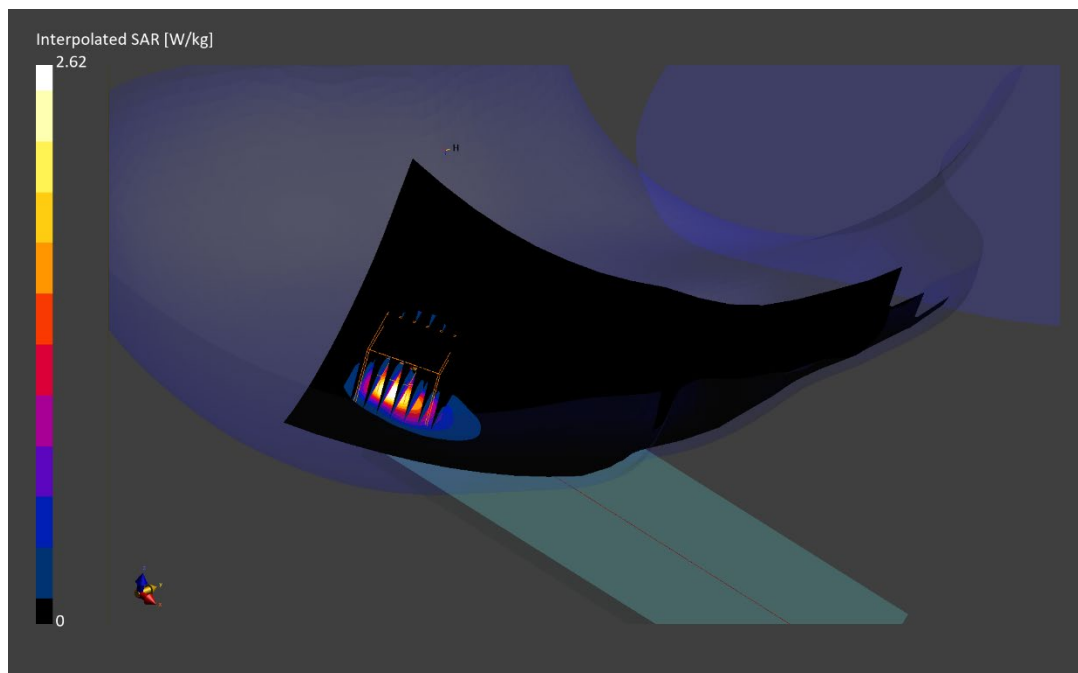
Reference Value = 0.82 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 0.878 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 71.8 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2032M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3500.0 MHz

Medium: 3600 Head; Medium parameters used:

f = 3500.0 MHz; cond = 2.84 S/m; perm = 39.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/10/2022; Ambient Temp: 22.0°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.04,7.04,7.04); 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: NR Band n77 DoD, Antenna I, Right Head, Cheek, Ch. 633334,
100 MHz Bandwidth, CW/SRS**

Area Scan (120.0 x 60.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

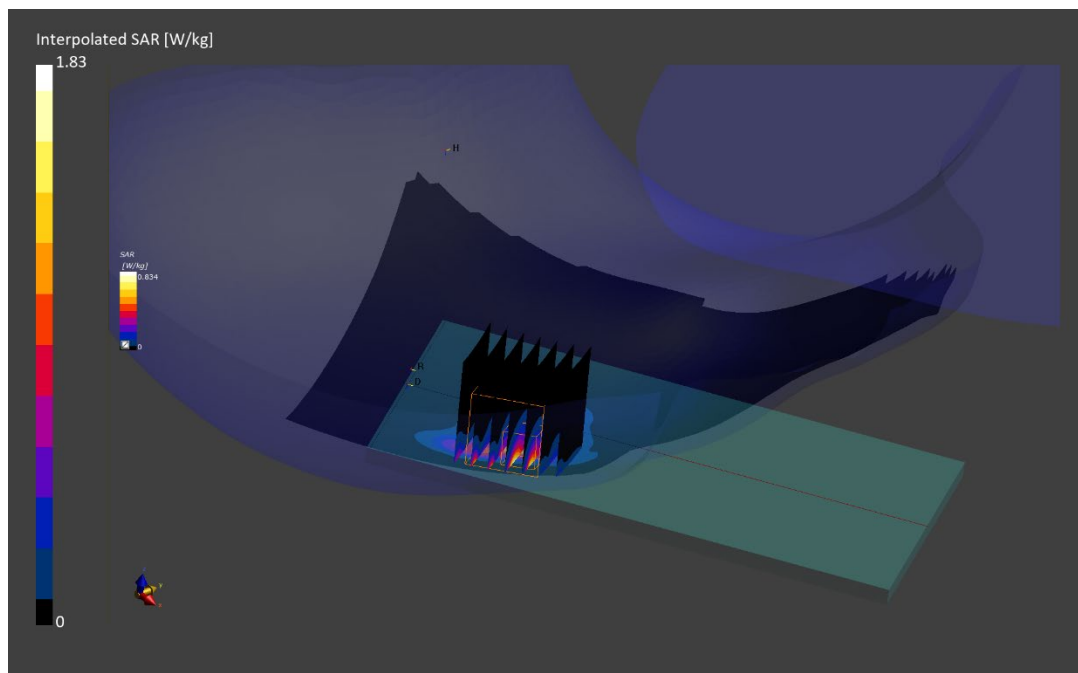
Reference Value = 0.87 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.656 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 = 73.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2637M

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 = 3.25 S/m; perm = 37.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/07/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7416; ConvF:(6.4,6.4,6.4); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn701; Calibrated: 2022-05-16

Phantom: Twin-SAM V8.0; Serial: 2071

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n77, Antenna F, Right Head, Tilt, Ch. 662000,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 69 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=4.5 mm, dy=4.5 mm, dz=1.4 mm; Graded Ratio: 1.5

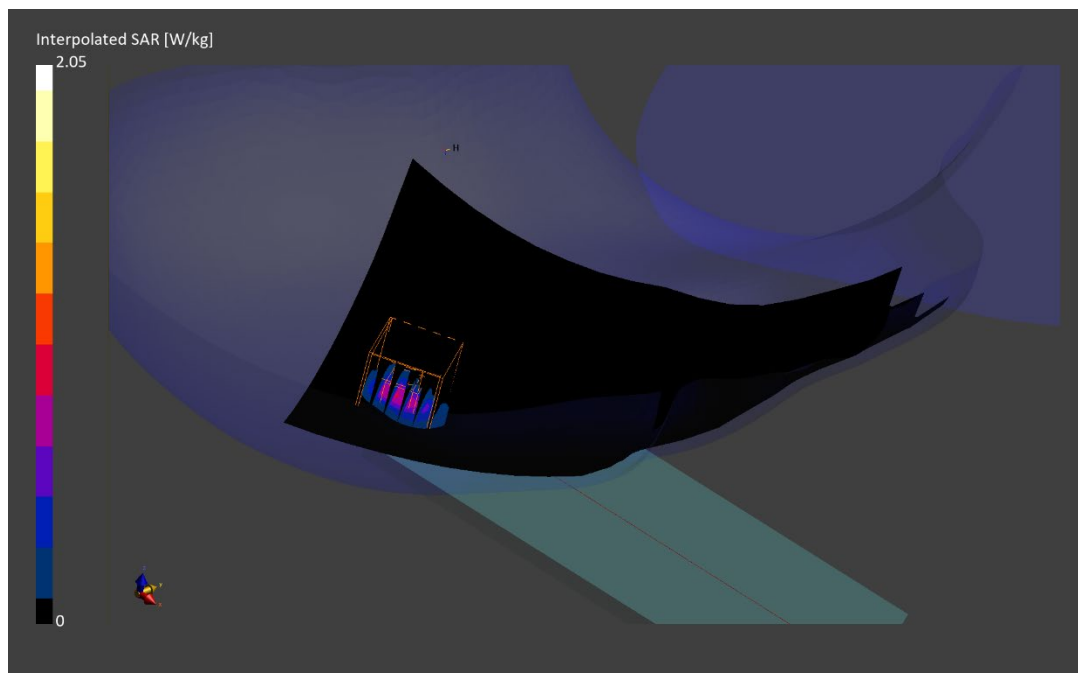
Reference Value = 0.60 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.665 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 = 72.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2599M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 1.90$ S/m; $\text{perm} = 37.9$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/27/2022; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7640; ConvF:(8.61,8.61,8.61); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11b, Antenna 2, 22 MHz Bandwidth,
Left Head, Cheek, Ch.11, 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

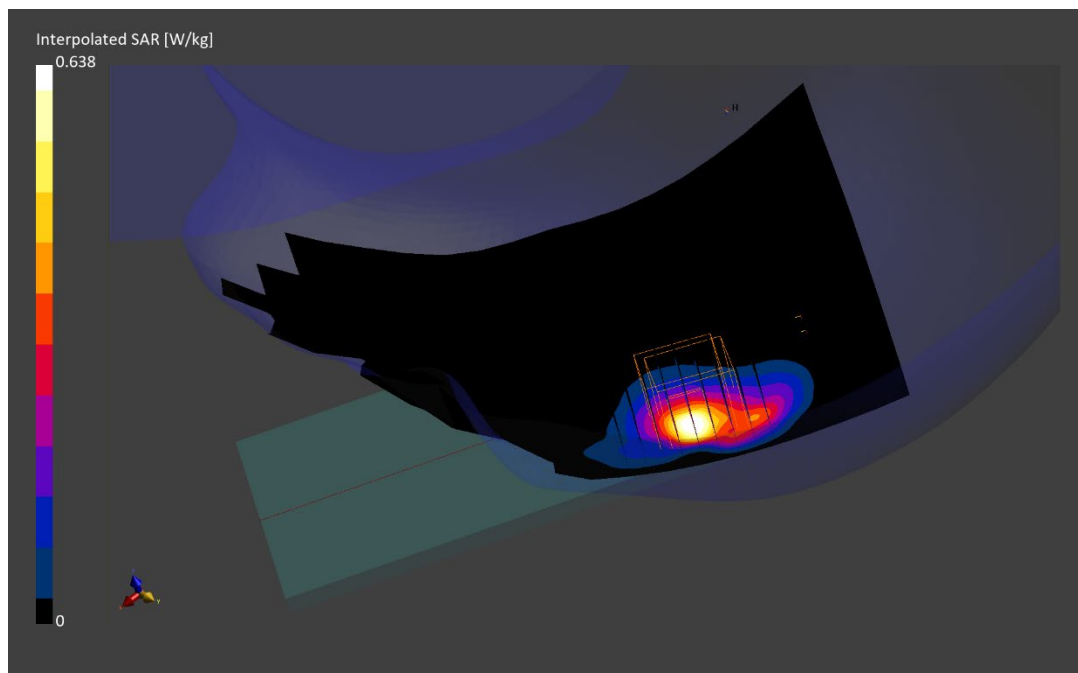
Reference Value = 0.30 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.308 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 = 82.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 1547M

Communication System: UID:10626 - AAC, CW; MAIA: Y; Frequency: 5855.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5855.0 MHz; cond = 5.36 S/m; perm = 34.5; density = 1000 kg/m³
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/31/2022; Ambient Temp: 23°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7527; ConvF:(4.88,4.88,4.88); 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-4, MIMO, 80 MHz Bandwidth,
Right Head, Cheek, Ch. 171, 58.5 Mbps**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2

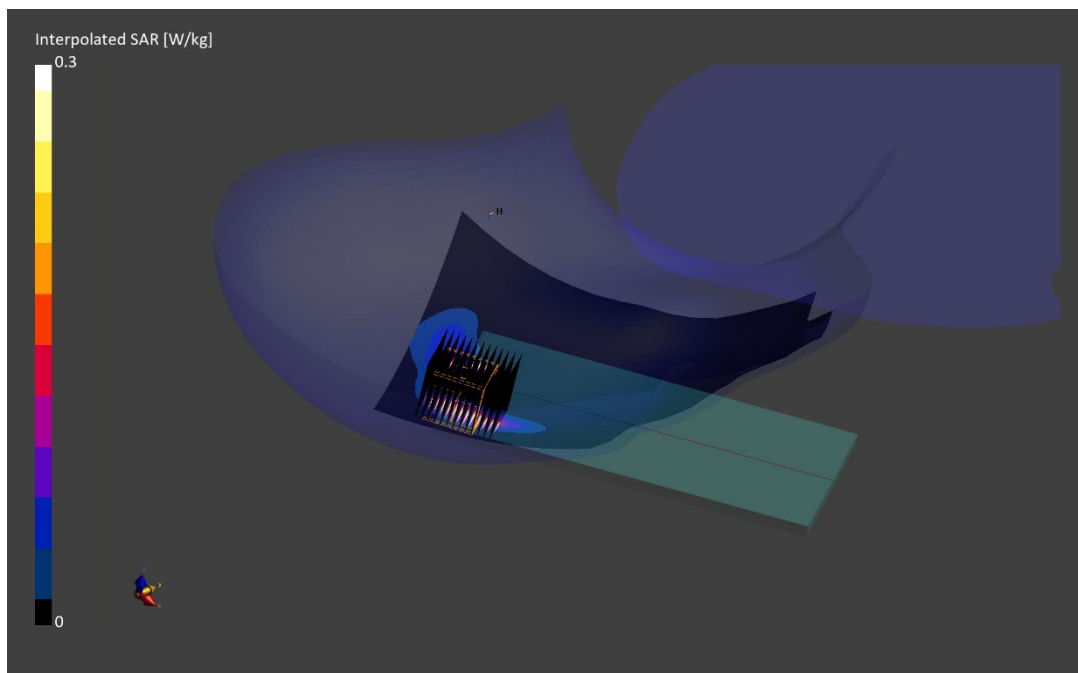
Reference Value = 0.23 W/kg; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.990 W/kg

SAR(1 g) = 0.174 W/kg

Smallest distance from peaks to all points 3 dB below is 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 62.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2599M

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

Medium: 2450 Head; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.82$ S/m; $\text{perm} = 38.4$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

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

Probe: EX3DV4 - SN7640; ConvF:(8.61,8.61,8.61); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 2, Left Head, Cheek, Ch. 0, 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

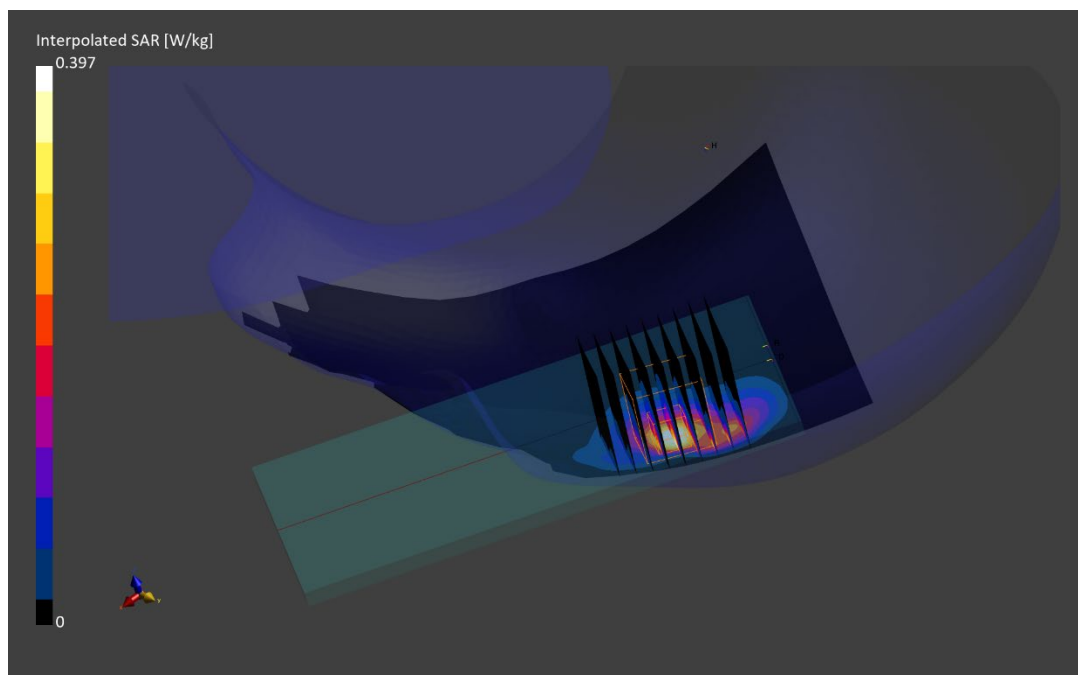
Reference Value = 0.18 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.196 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 = 83.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 836.6 MHz

Medium: 835 Body; Medium parameters used:

$f = 836.6$ MHz; $\text{cond} = 0.948$ S/m; $\text{perm} = 53.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

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

Probe: EX3DV4 - SN7640; ConvF:(10.66,10.66,10.66); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 850, 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

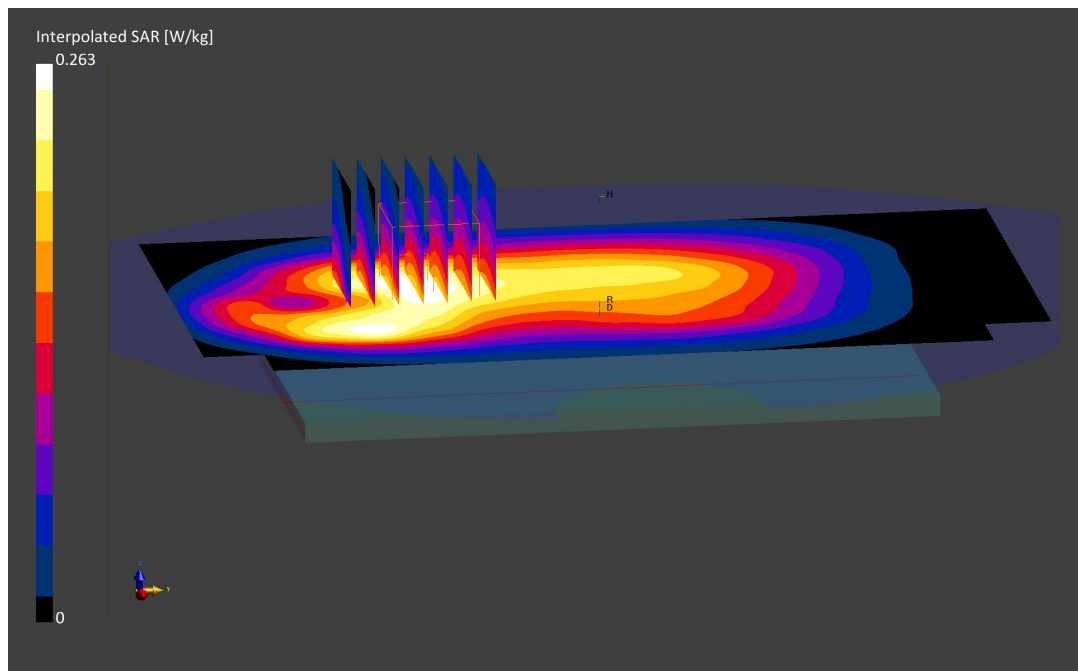
Reference Value = 0.17 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.182 W/kg

Smallest distance from peaks to all points 3 dB below is 17.3 mm

Ratio of SAR at M2 to SAR at M1 = 88.6 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2649M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1850.2$ MHz; $\text{cond} = 1.50$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/11/2022; Ambient Temp: 21.2°C; Tissue Temp: 21.4°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 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

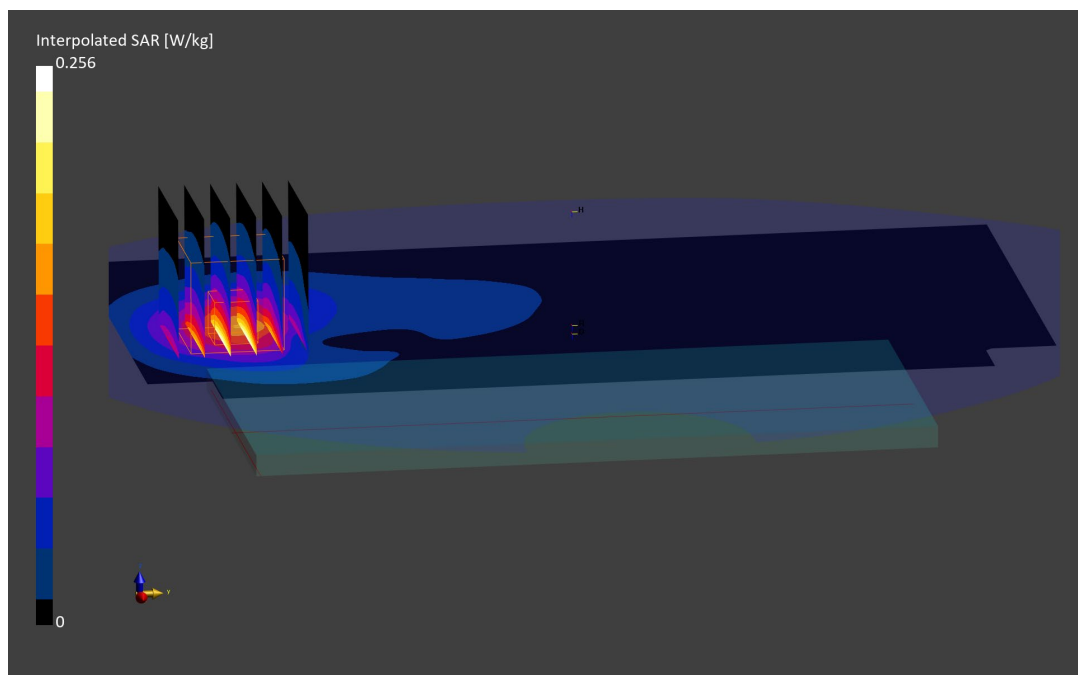
Reference Value = 0.15 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.147 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 = 82.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 836.6 MHz

Medium: 835 Body; Medium parameters used:

$f = 836.6$ MHz; $\text{cond} = 0.938$ S/m; $\text{perm} = 52.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/27/2022; Ambient Temp: 22.7°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.55,9.55,9.55); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 850, 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

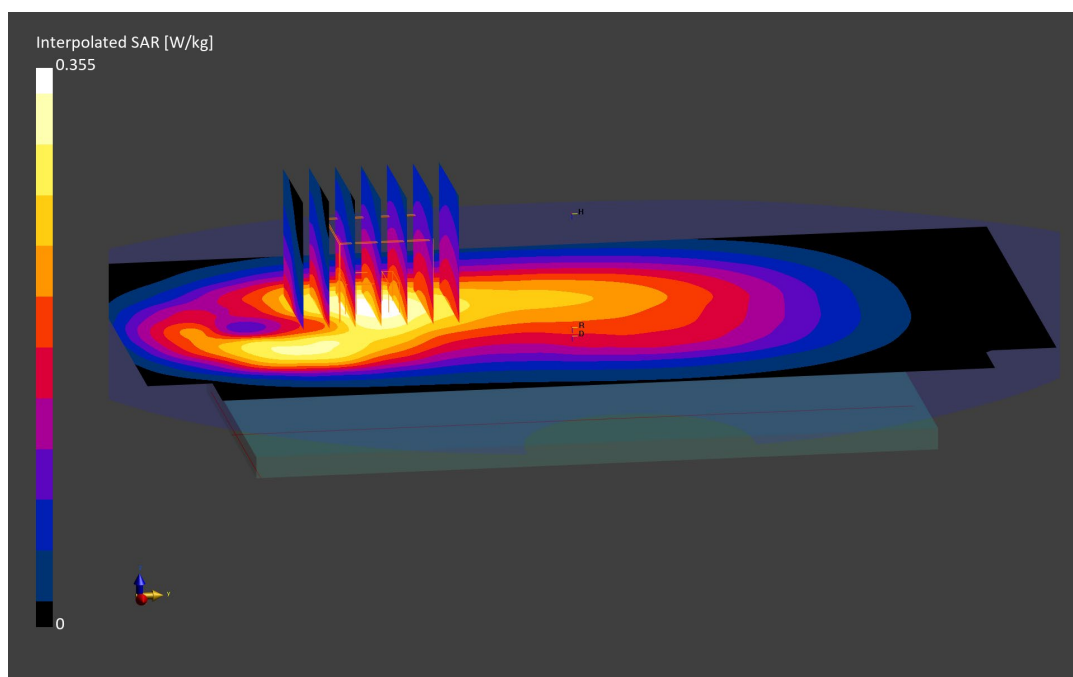
Reference Value = 0.26 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.253 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 = 89.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2649M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1732.4 MHz

Medium: 1750 Body; Medium parameters used:

f = 1732.4 MHz; cond = 1.48 S/m; perm = 52.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/28/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7660; ConvF:(9.22,9.22,9.22); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

Phantom: Twin-SAM V5.0; Serial: 1692rightback

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, 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

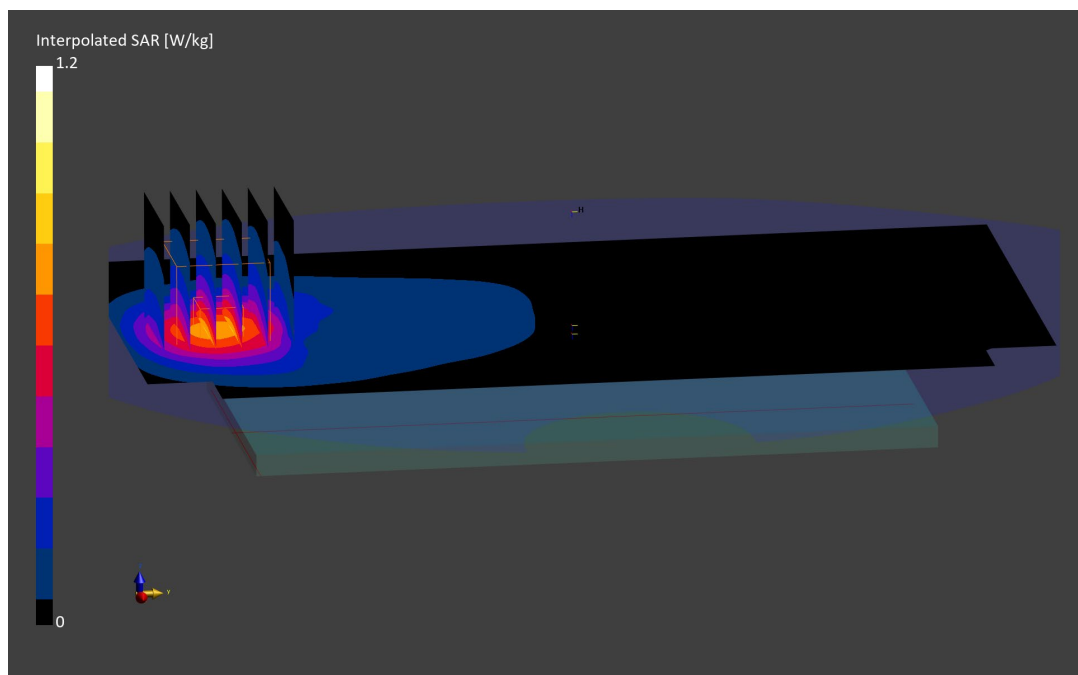
Reference Value = 0.62 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.721 W/kg

Smallest distance from peaks to all points 3 dB below is 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 84.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1852.4 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1852.4$ MHz; $\text{cond} = 1.52$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/21/2022; Ambient Temp: 24.1°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn665; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Body SAR, Back Side, Low Ch.

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

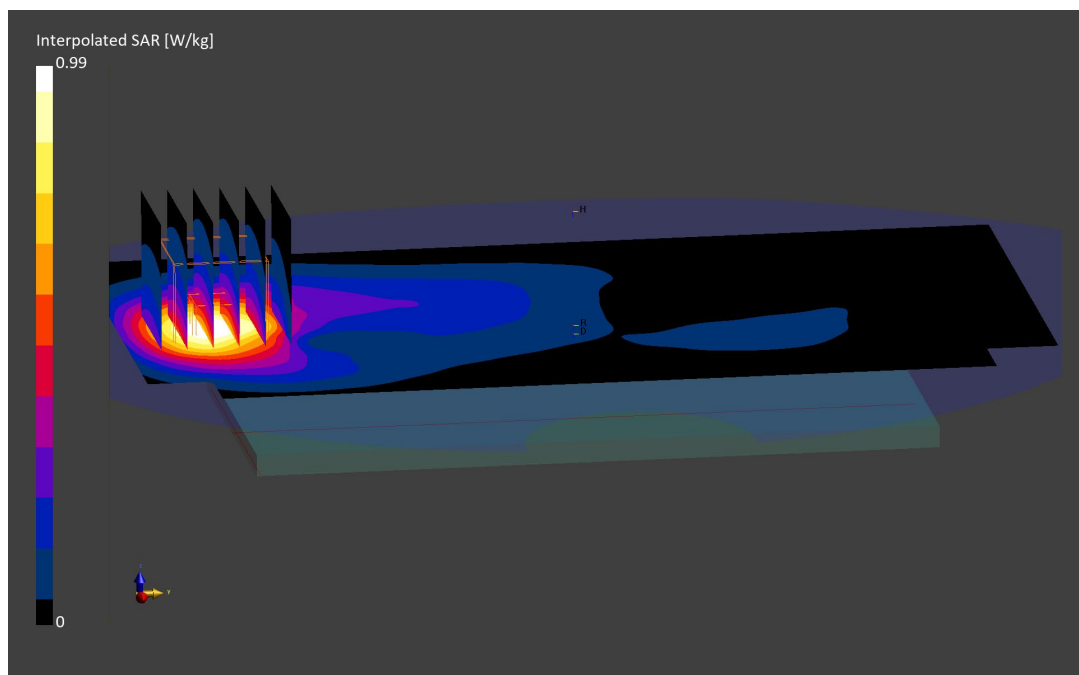
Reference Value = 0.60 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.990 W/kg

SAR(1 g) = 0.608 W/kg

Smallest distance from peaks to all points 3 dB below is 13.7 mm

Ratio of SAR at M2 to SAR at M1 = 86.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

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

Medium: 750 Body; Medium parameters used:

f = 680.5 MHz; cond = 0.912 S/m; perm = 54.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/07/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

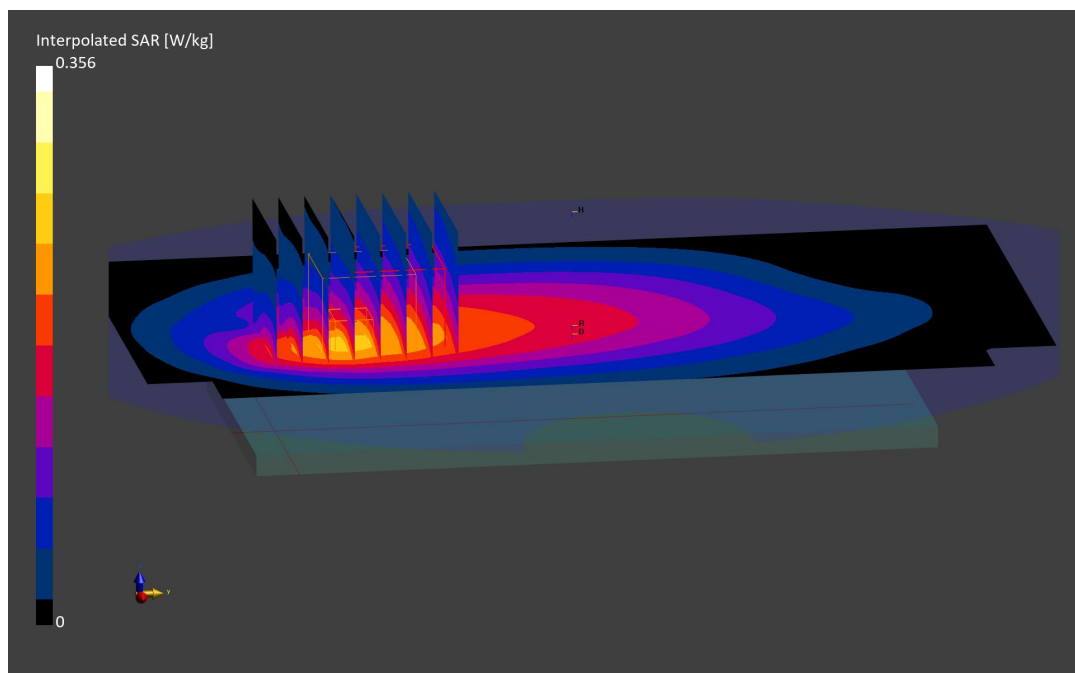
Reference Value = 0.22 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.222 W/kg

Smallest distance from peaks to all points 3 dB below is 18.0 mm

Ratio of SAR at M2 to SAR at M1 = 84.8 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

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

Medium: 750 Body; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.924$ S/m; $\text{perm} = 53.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

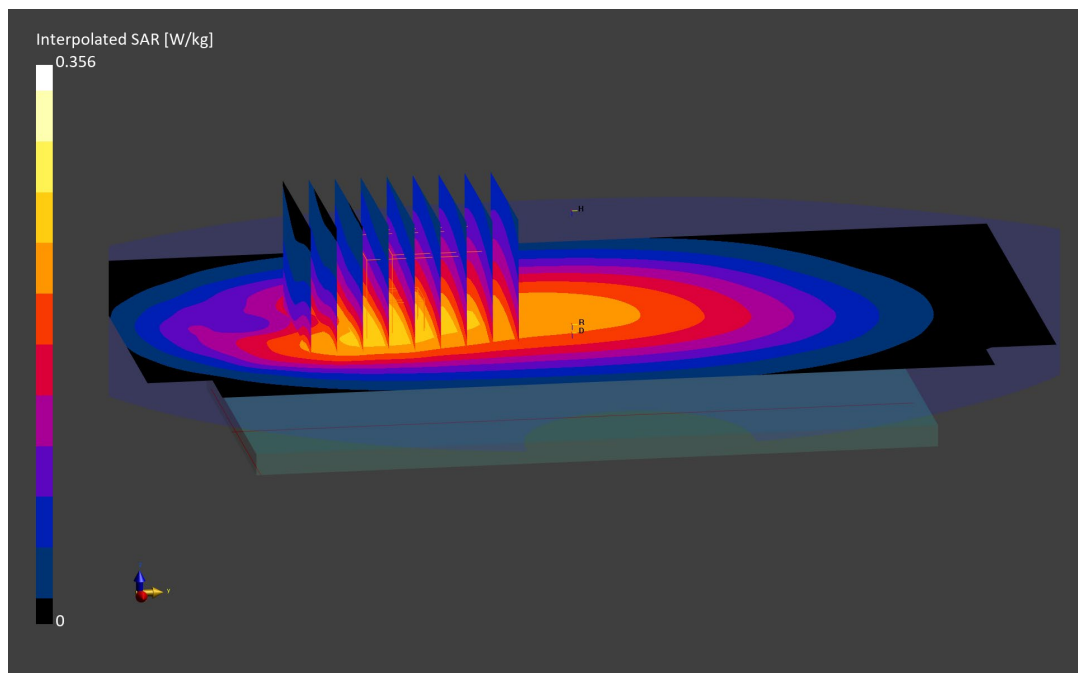
Reference Value = 0.24 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.239 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 = 85.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

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

Medium: 750 Body; Medium parameters used:

$f = 782.0$ MHz; $\text{cond} = 0.950$ S/m; $\text{perm} = 53.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 13, Body SAR , Back side, Mid Ch,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

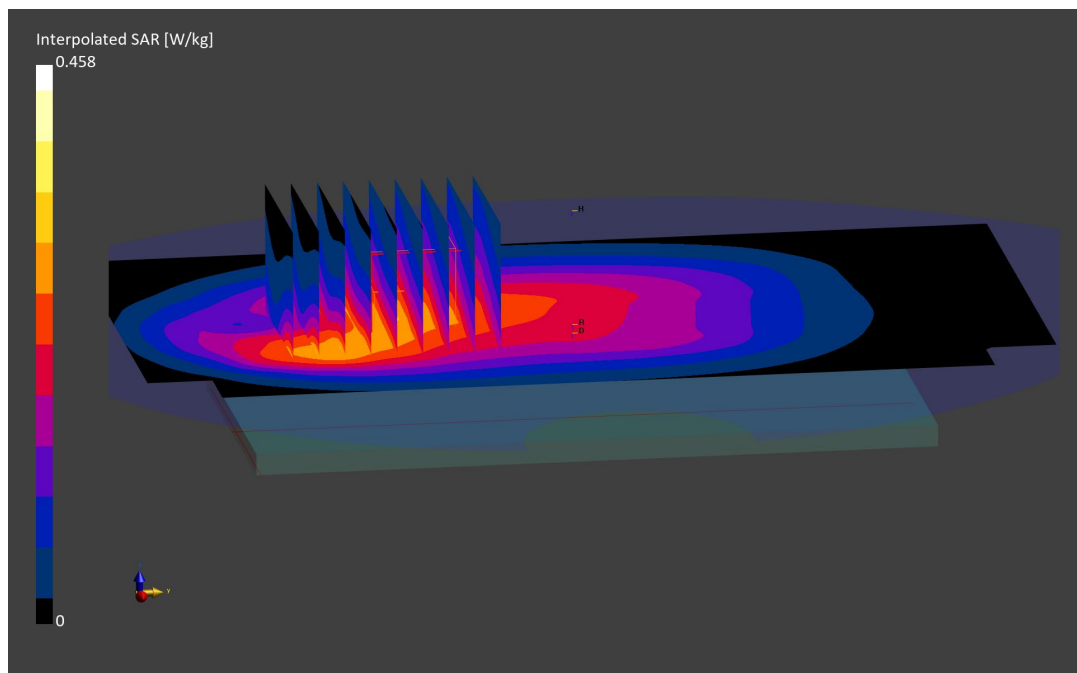
Reference Value = 0.28 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.458 W/kg

SAR(1 g) = 0.280 W/kg

Smallest distance from peaks to all points 3 dB below is 15.6 mm

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



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

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

Medium: 750 Body; Medium parameters used:

f = 793.0 MHz; cond = 0.954 S/m; perm = 53.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 14, Body SAR , Back side, Mid Ch,
10 MHz Bandwidth, QPSK, 1 RB, 49 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

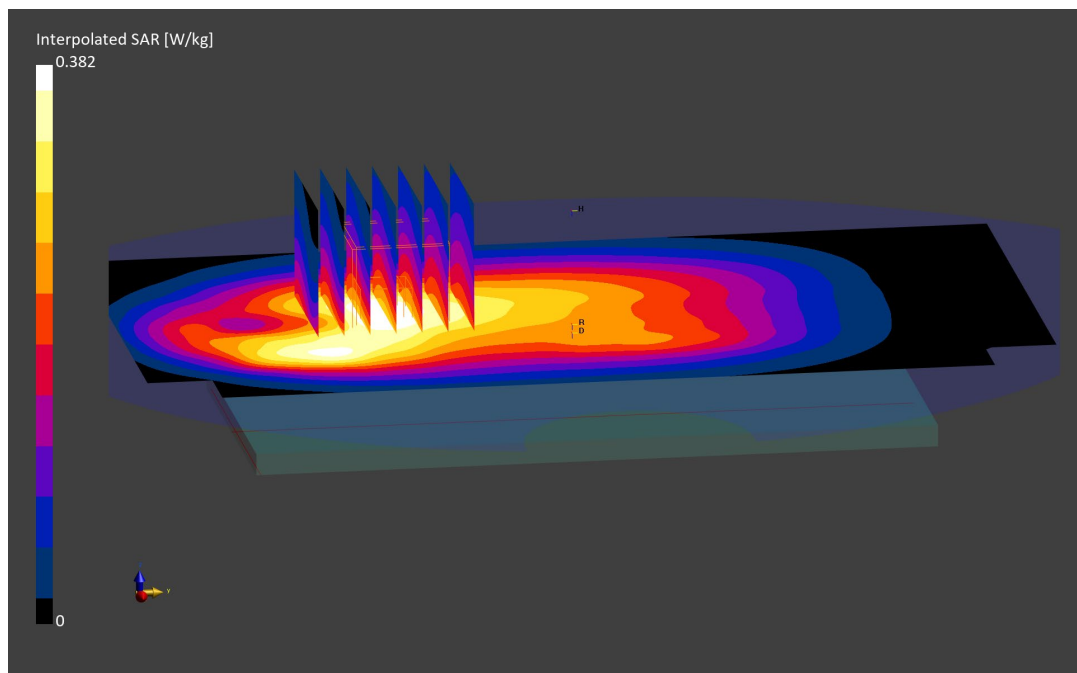
Reference Value = 0.27 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.264 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 87.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

Communication System: UID:10181 - CAF, LTE-FDD; MAIA: Y; Frequency: 831.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 831.5$ MHz; $\text{cond} = 0.953$ S/m; $\text{perm} = 54.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/07/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.7°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: LTE Band 26, Body SAR, Back Side, Mid Ch,
15 MHz Bandwidth, QPSK, 1 RB, 36 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

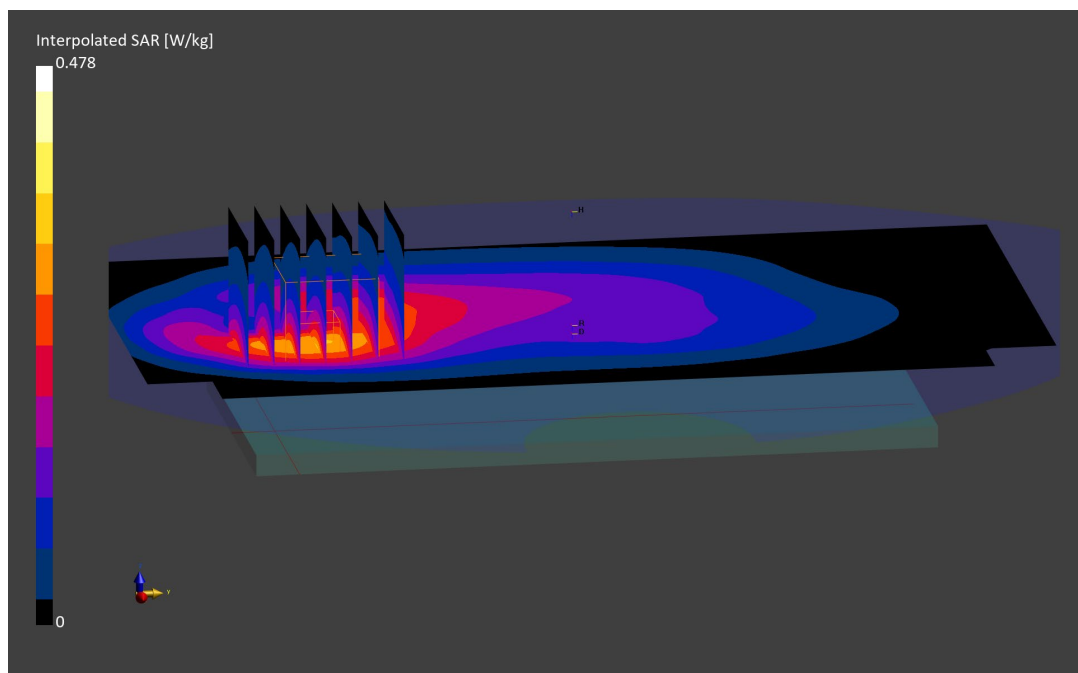
Reference Value = 0.27 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.283 W/kg

Smallest distance from peaks to all points 3 dB below is 14.6 mm

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



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0649M

Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1
 Medium: 835 Body; Medium parameters used (interpolated):
 $f = 836.5 \text{ MHz}$; $\sigma = 1.005 \text{ S/m}$; $\epsilon_r = 54.072$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/21/2022; Ambient Temp: 22.1°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 836.5 MHz; Calibrated: 6/29/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
 Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
 Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 5 (Cell.), Body SAR, Back side, Mid.ch,
 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

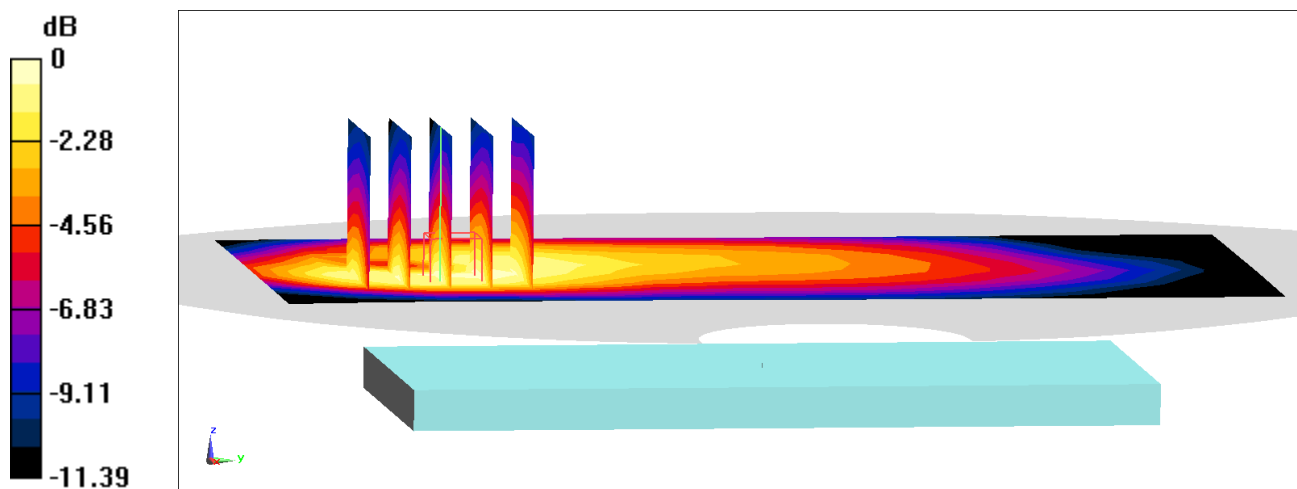
Reference Value = 18.32 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.326 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2683M

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

Medium: 1750 Body; Medium parameters used:

f = 1770.0 MHz; cond = 1.54 S/m; perm = 52.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 10/19/2022; Ambient Temp: 22.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7571; ConvF:(8.0,8.0,8.0); Calibrated: 2021-12-10

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

Electronics: DAE4 Sn859; Calibrated: 2021-12-08

Phantom: Twin-SAM V5.0; Serial: 1646

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 66 (AWS) ULCA, Antenna A, Body SAR, Back Side,

PCC: Ch. 132572, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

SCC: Ch. 132374, 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (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

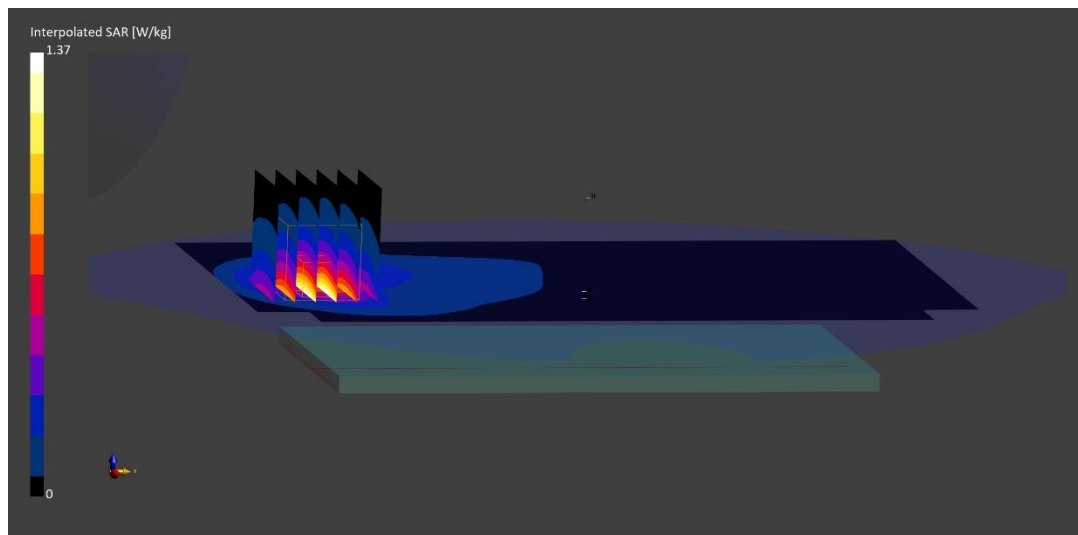
Reference Value = 0.97 W/kg; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.835 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 = 85.6 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.52 S/m; perm = 51.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/21/2022; Ambient Temp: 24.1°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn665; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 25, Antenna A, Body SAR , Back side, Low 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 (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

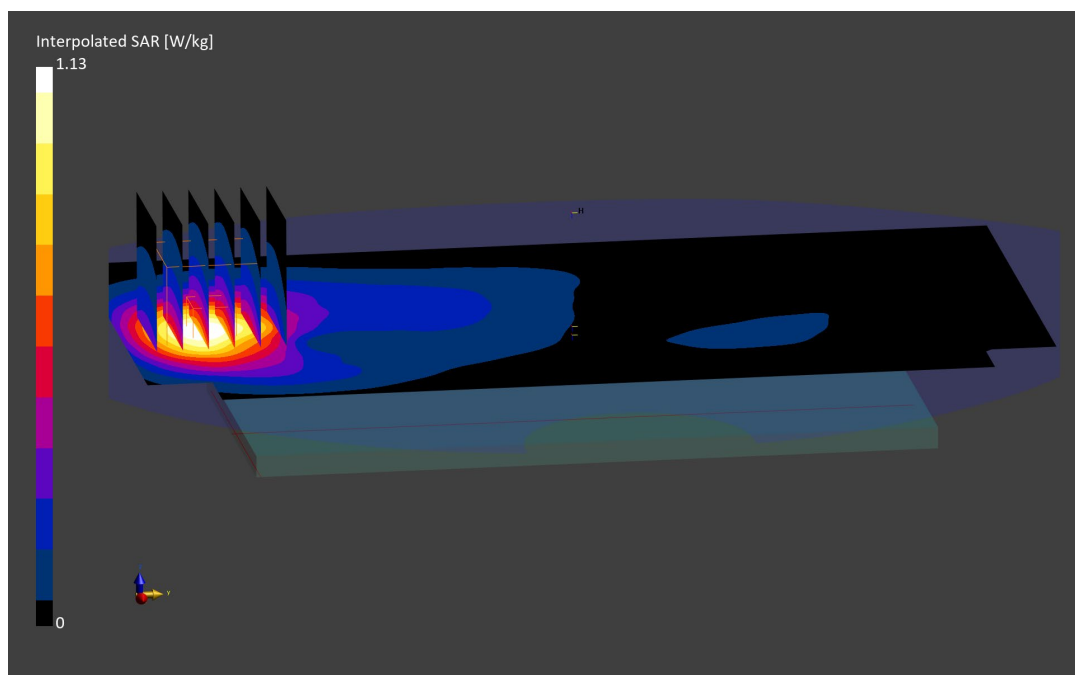
Reference Value = 0.69 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.695 W/kg

Smallest distance from peaks to all points 3 dB below is 13.7 mm

Ratio of SAR at M2 to SAR at M1 = 86.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2628M

Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 52.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/28/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 30, Antenna A, Body SAR, Back Side,
10 MHz Bandwidth, Mid Ch. 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

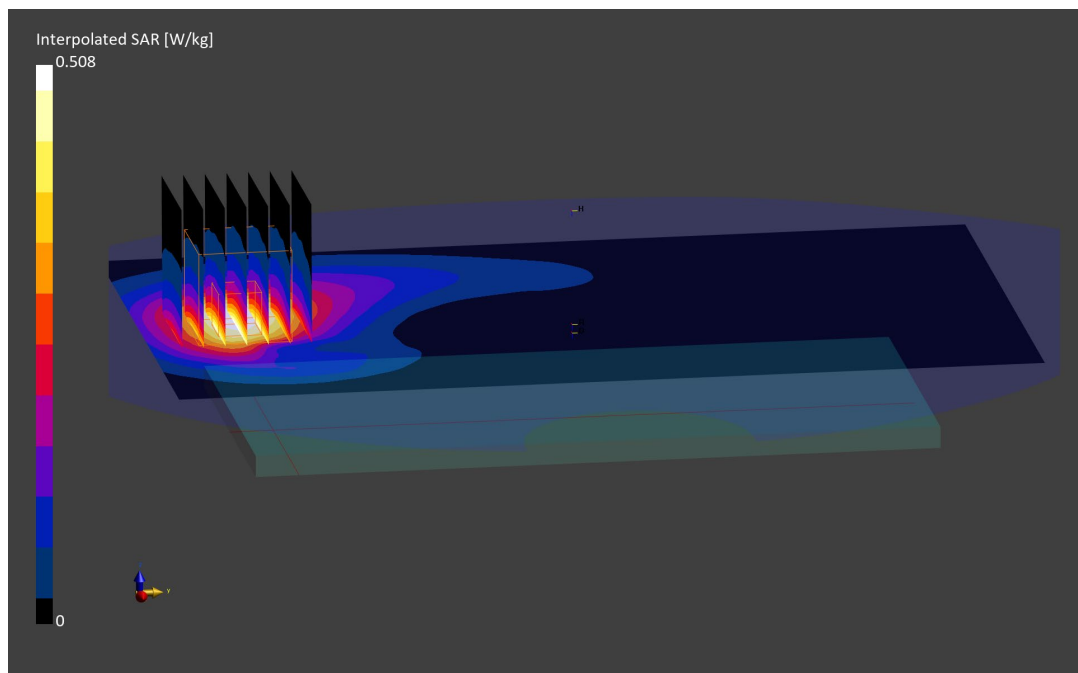
Reference Value = 0.35 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.289 W/kg

Smallest distance from peaks to all points 3 dB below is 15.9 mm

Ratio of SAR at M2 to SAR at M1 = 83.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2628M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 2560.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2560.0 MHz; cond = 2.06 S/m; perm = 52.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/03/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20

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

Electronics: DAE4 Sn1407; Calibrated: 2022-04-13

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 7, Antenna B Body SAR, Back Side, High Ch,
20 MHz Bandwidth, QPSK, 1 RB, 99 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

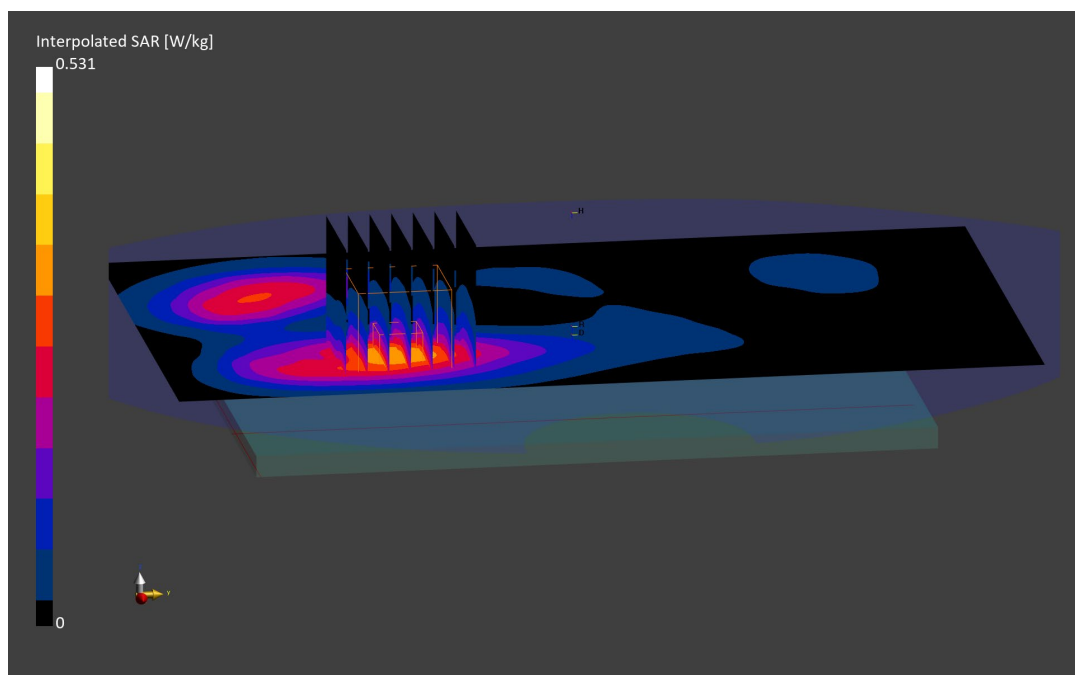
Reference Value = 0.24 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.285 W/kg

Smallest distance from peaks to all points 3 dB below is 18.2 mm

Ratio of SAR at M2 to SAR at M1 = 81.7 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2658M

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2680.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2680.0$ MHz; $\text{cond} = 2.31$ S/m; $\text{perm} = 49.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/27/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7668; ConvF:(7.25,7.25,7.25); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Antenna B, Body SAR, Back Side, High Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 99 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

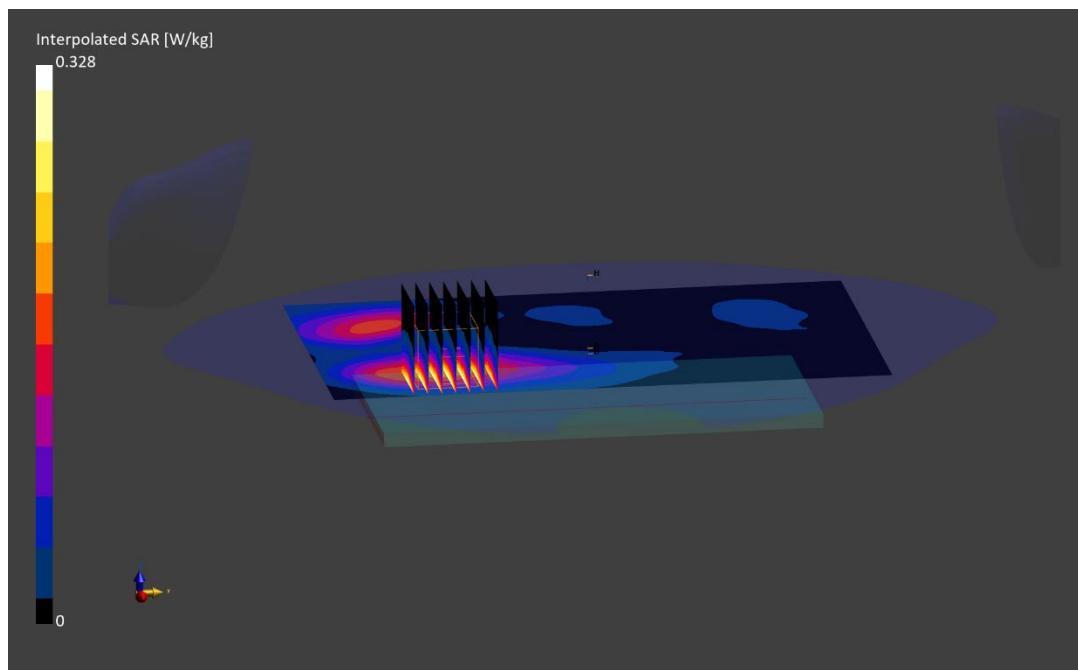
Reference Value = 0.21 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.171 W/kg

Smallest distance from peaks to all points 3 dB below is 20.6 mm

Ratio of SAR at M2 to SAR at M1 = 80.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2680M

Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 3690.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3690.0$ MHz; $\text{cond} = 3.39$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/12/2022; Ambient Temp: 21.4°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7410; ConvF:(6.45,6.45,6.45); Calibrated: 2022-07-19

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

Electronics: DAE4 Sn1583; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 1630

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 48, Body SAR, Back Side, High 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 (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

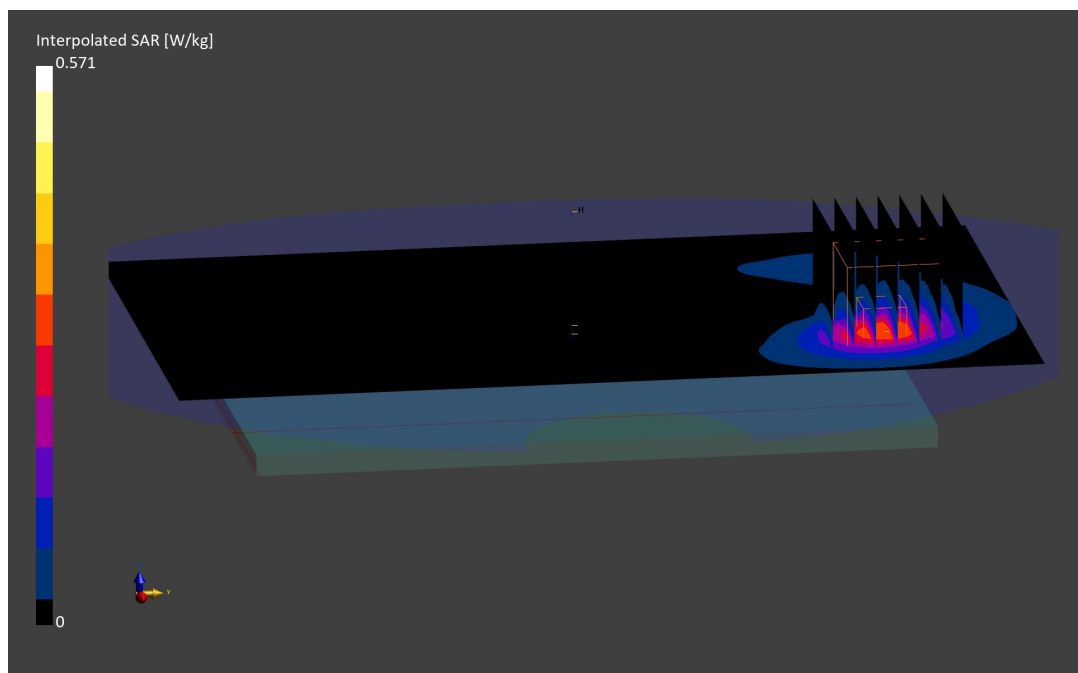
Reference Value = 0.30 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.250 W/kg

Smallest distance from peaks to all points 3 dB below is 12.6 mm

Ratio of SAR at M2 to SAR at M1 = 76.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0617M

Communication System: UID:10931 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 680.5 MHz

Medium: 750 Body; Medium parameters used:

$f = 680.5$ MHz; $\text{cond} = 0.926$ S/m; $\text{perm} = 54.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/11/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

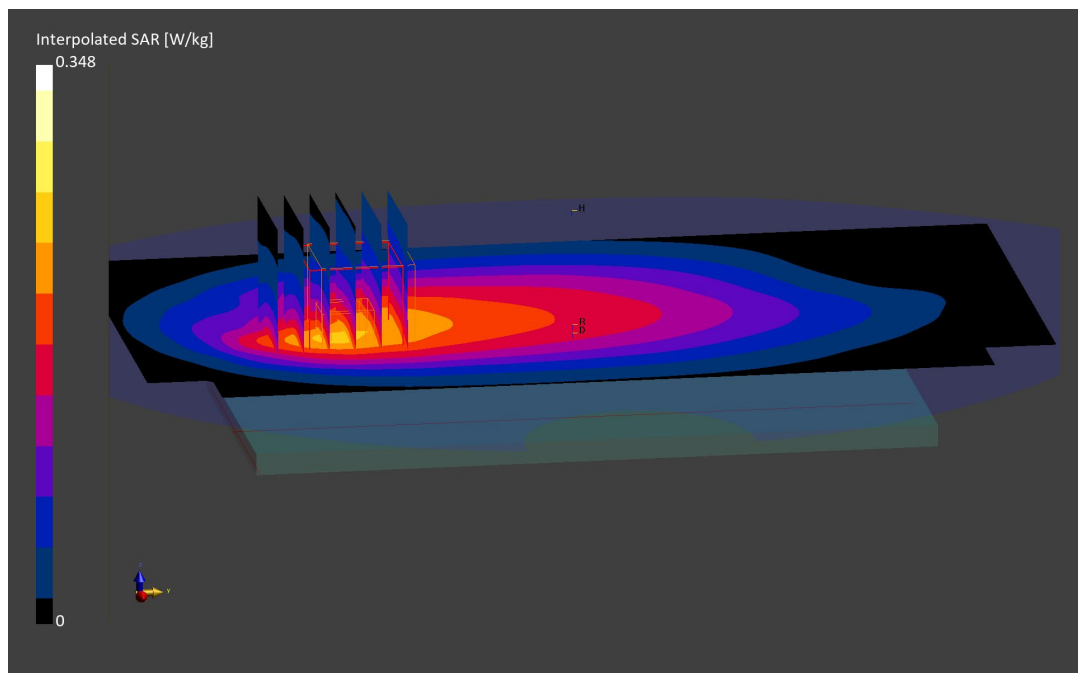
Reference Value = 0.24 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.212 W/kg

Smallest distance from peaks to all points 3 dB below is 18.0 mm

Ratio of SAR at M2 to SAR at M1 = 82.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0617M

Communication System: UID:10930 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 707.5 MHz

Medium: 750 Body; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.936$ S/m; $\text{perm} = 54.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/11/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

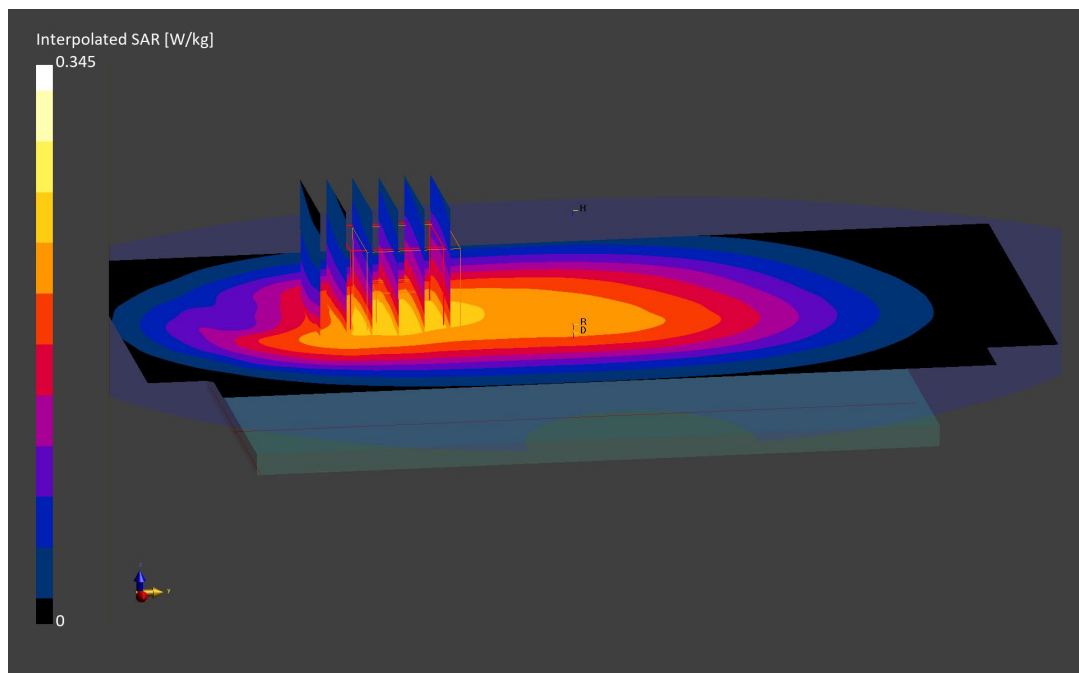
Reference Value = 0.25 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.230 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 = 84.6 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0630M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 831.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 831.5$ MHz; $\text{cond} = 0.959$ S/m; $\text{perm} = 53.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 09/21/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7660; ConvF:(10.61,10.61,10.61); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

Phantom: Twin-SAM V5.0; Serial: 1692rightback

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

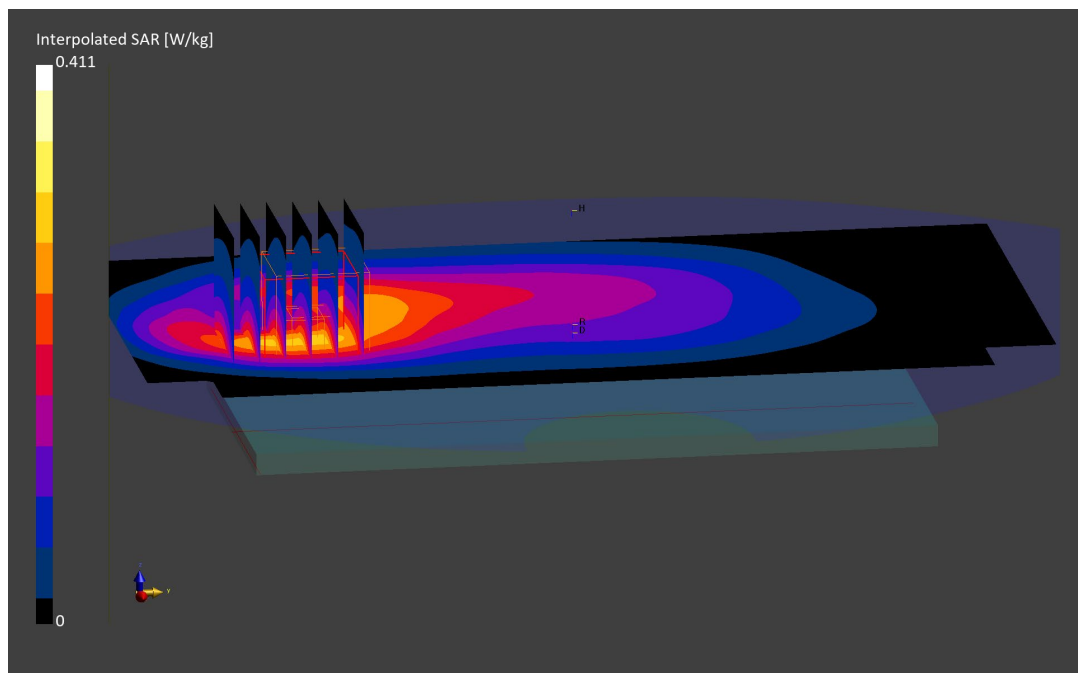
Reference Value = 0.21 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.411 W/kg

SAR(1 g) = 0.248 W/kg

Smallest distance from peaks to all points 3 dB below is 14.6 mm

Ratio of SAR at M2 to SAR at M1 = 84.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2625M

Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.52 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.5°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: NR Band n66, Antenna A, Body SAR, Back Side, Ch. 349000,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 54 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

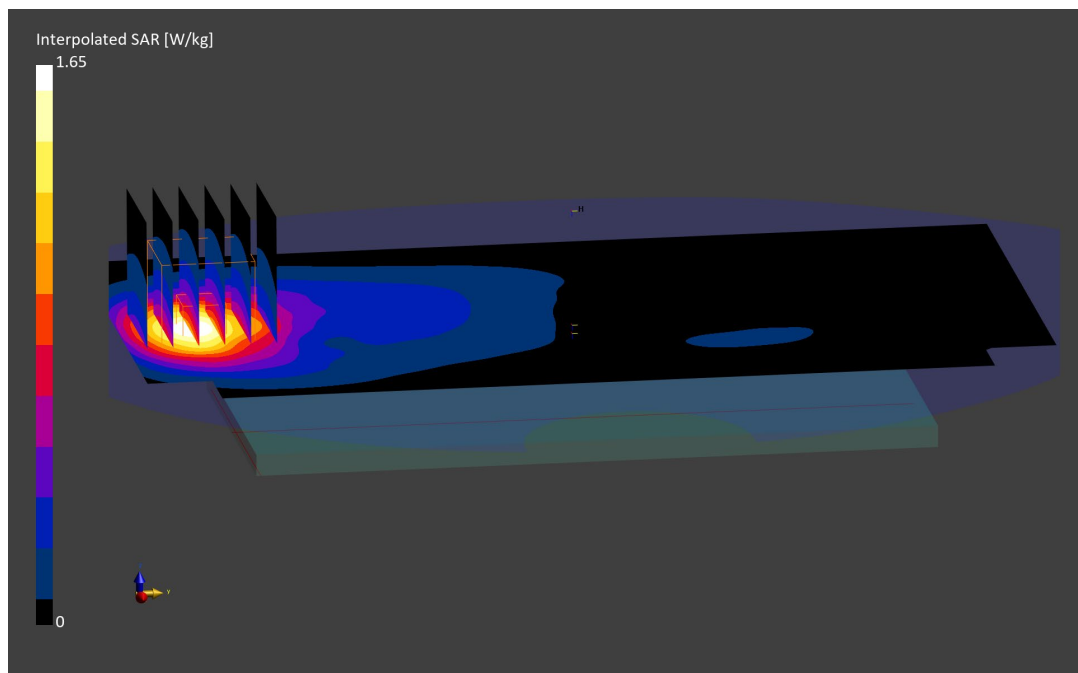
Reference Value = 1.01 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.946 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 = 82.2 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0377M

Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1882.5$ MHz; $\text{cond} = 1.48$ S/m; $\text{perm} = 52.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/26/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn1558; Calibrated: 2022-01-14

Phantom: Twin-SAM V8.0; Serial: 20063

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n25, Antenna A, Body SAR, Back Side, Ch. 376500,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 54 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

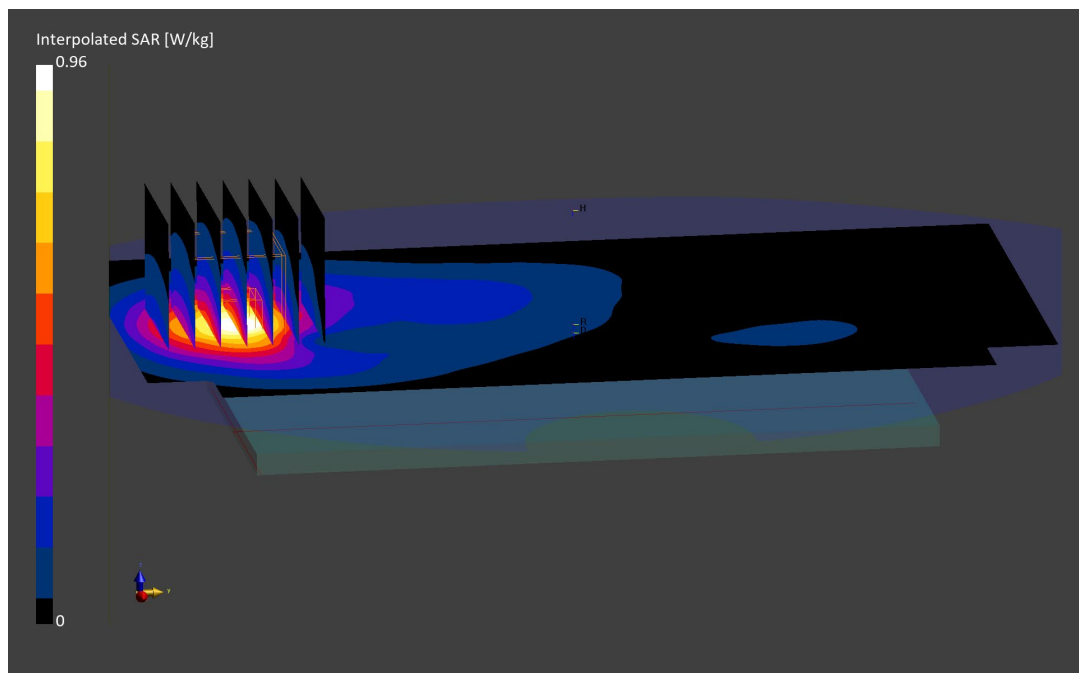
Reference Value = 0.57 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.960 W/kg

SAR(1 g) = 0.553 W/kg

Smallest distance from peaks to all points 3 dB below is 13.3 mm

Ratio of SAR at M2 to SAR at M1 = 82.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2625M

Communication System: UID:10937 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.84$ S/m; $\text{perm} = 51.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/03/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n30, Body SAR, Back Side, Ch. 462000,
10 MHz Bandwidth, DFT-s-OFDM QPSK, 25 RB, 14 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

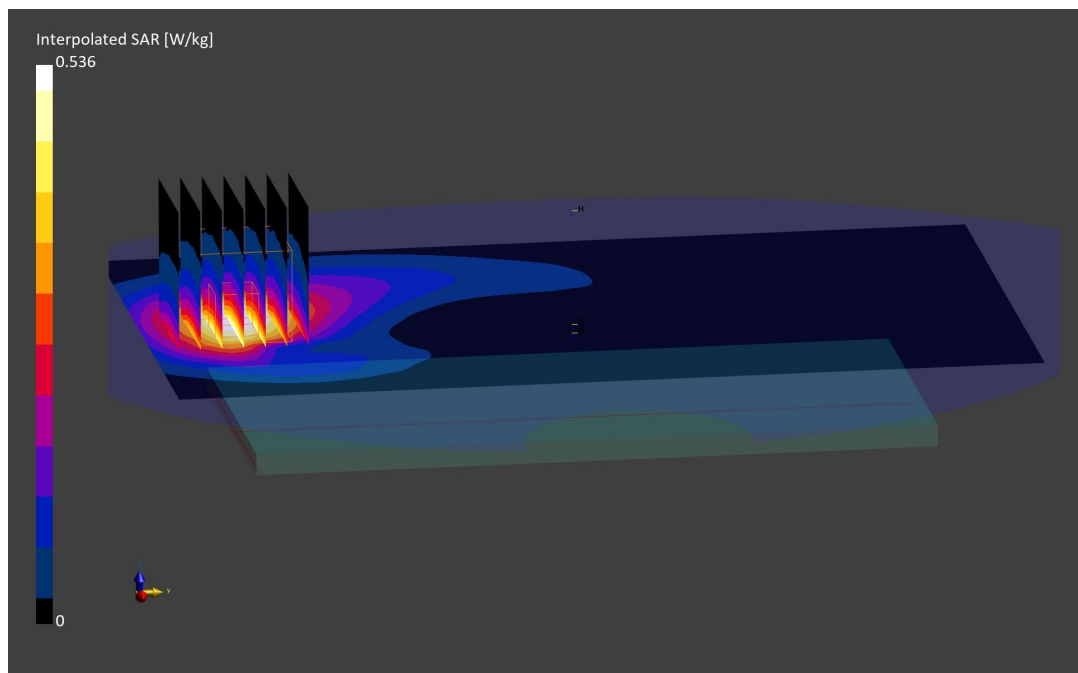
Reference Value = 0.38 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.305 W/kg

Smallest distance from peaks to all points 3 dB below is 16.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0377M

Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2535.0$ MHz; $\text{cond} = 2.04$ S/m; $\text{perm} = 52.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/10/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20

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

Electronics: DAE4 Sn1407; Calibrated: 2022-04-13

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

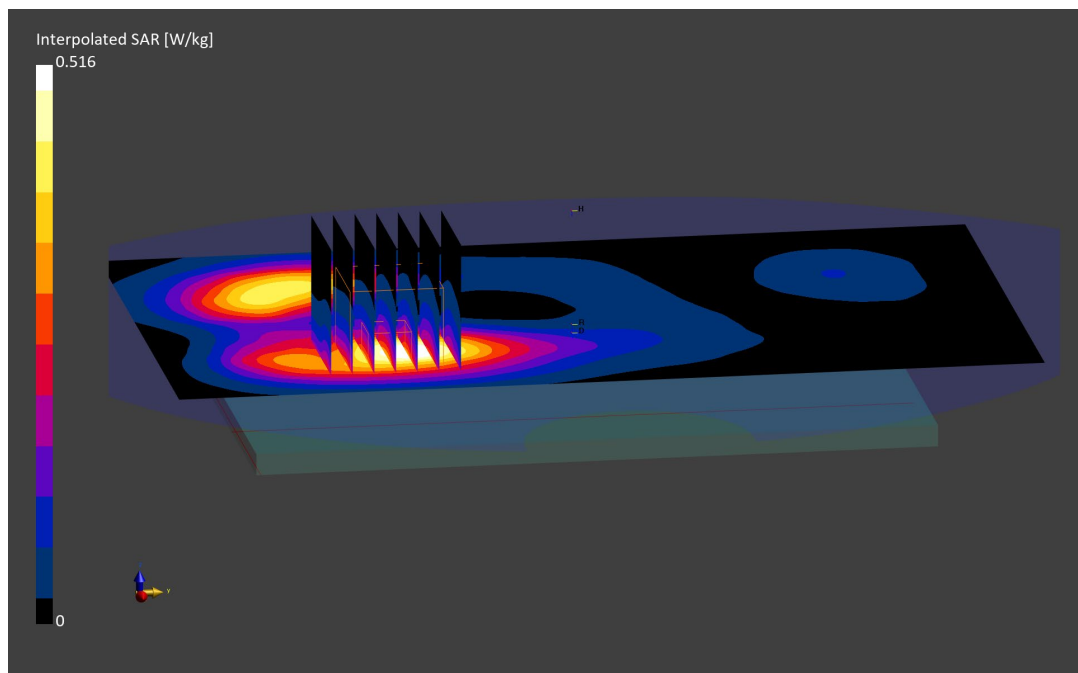
Reference Value = 0.25 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.285 W/kg

Smallest distance from peaks to all points 3 dB below is 17.7 mm

Ratio of SAR at M2 to SAR at M1 = 82.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2645M

Communication System: UID 0, NR Band n41 Full DC; Frequency: 2592.99 MHz; Duty Cycle: 1:1
 Medium: 2450 Body; Medium parameters used (interpolated):
 $f = 2592.99 \text{ MHz}$; $\sigma = 2.066 \text{ S/m}$; $\epsilon_r = 53.066$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/02/2022; Ambient Temp: 19.6°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7402; ConvF(7.88, 7.88, 7.88) @ 2592.99 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Mode: NR Band n41, Antenna B, Path 1, Body SAR, Back Side
100 MHz Bandwidth, CW, Ch. 518598

Area Scan (11x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (9x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

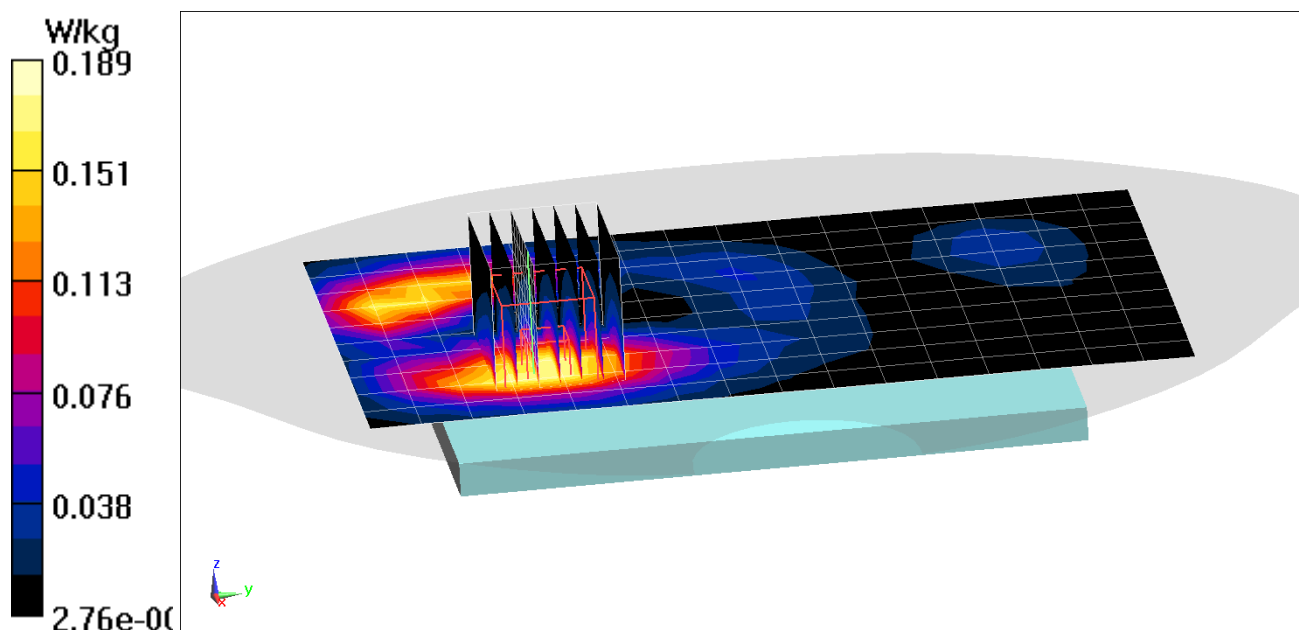
Reference Value = 6.833 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.123 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 51.4%



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2616M

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3680.0 MHz; cond = 3.39 S/m; perm = 49.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.83,5.83,5.83); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n48, Antenna F, Body SAR, Back Side, Ch. 645332, 40 MHz Bandwidth,
CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (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

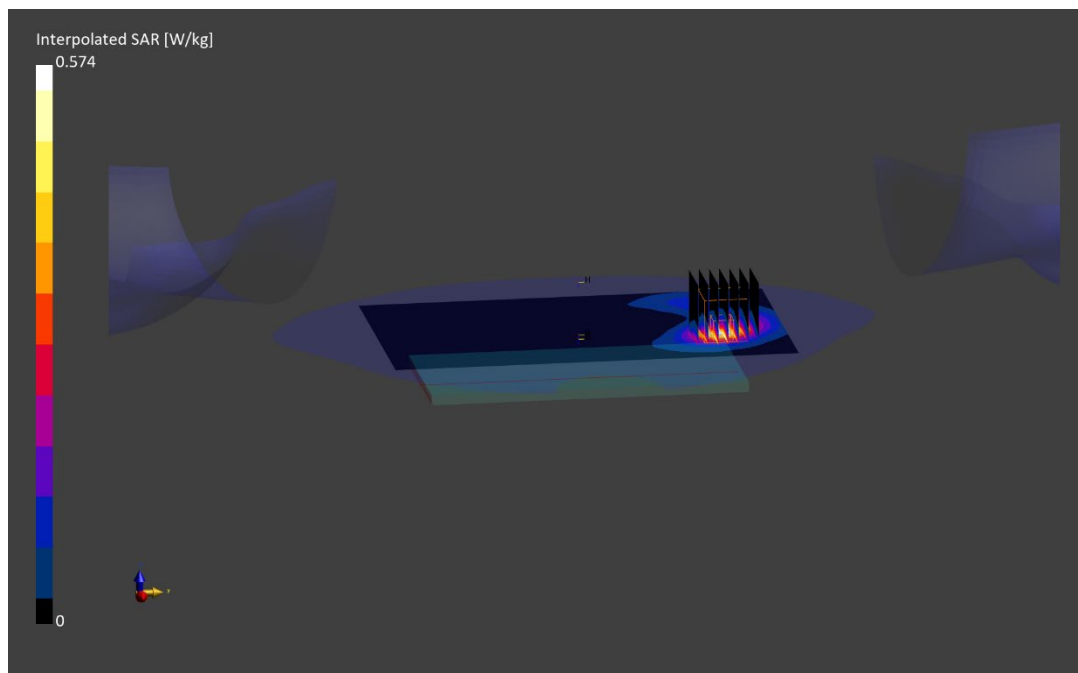
Reference Value = 0.22 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.574 W/kg

SAR(1 g) = 0.251 W/kg

Smallest distance from peaks to all points 3 dB below is 11.7 mm

Ratio of SAR at M2 to SAR at M1 = 76.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2637M

Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3500.0$ MHz; $\text{cond} = 3.23$ S/m; $\text{perm} = 50.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3837; ConvF:(5.99,5.99,5.99); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn793; Calibrated: 2022-01-13

Phantom: Twin-SAM V8.0; Serial: 2034

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n77 DoD, Antenna F, Body SAR, Back side, Ch. 633334,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

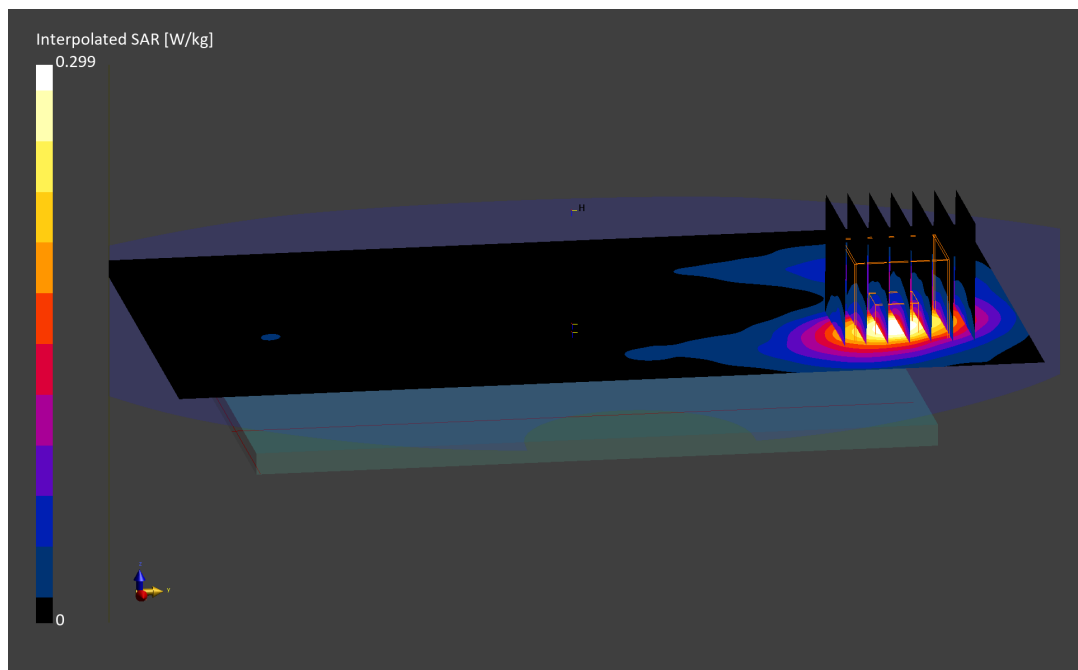
Reference Value = 0.12 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.137 W/kg

Smallest distance from peaks to all points 3 dB below is 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 77.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2616M

Communication System: UID:10803 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3930.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3930.0$ MHz; $\text{cond} = 3.70$ S/m; $\text{perm} = 49.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7427; ConvF:(5.61,5.61,5.61); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n77, Antenna F, Body SAR, Back Side, Ch. 662000,
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 (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

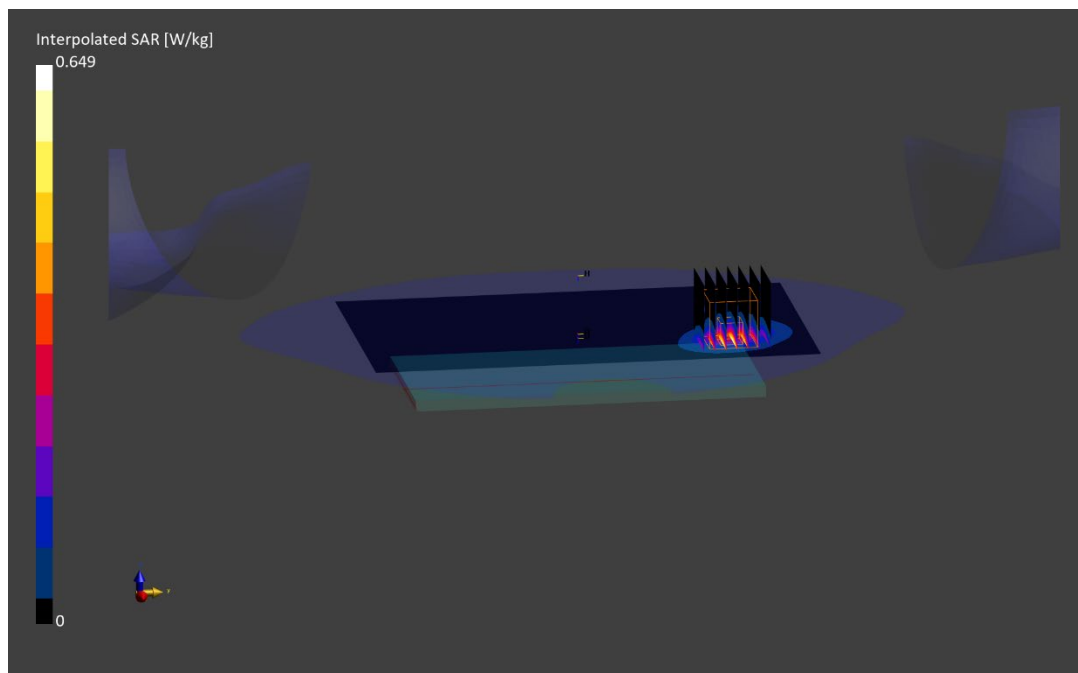
Reference Value = 0.24 W/kg; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.649 W/kg

SAR(1 g) = 0.272 W/kg

Smallest distance from peaks to all points 3 dB below is 11.8 mm

Ratio of SAR at M2 to SAR at M1 = 75.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2599M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2437.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2437.0$ MHz; $\text{cond} = 1.93$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/04/2022; Ambient Temp: 21.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7565; ConvF:(6.97,6.97,6.97); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO,
Body SAR, Back Side, Ch. 6, 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

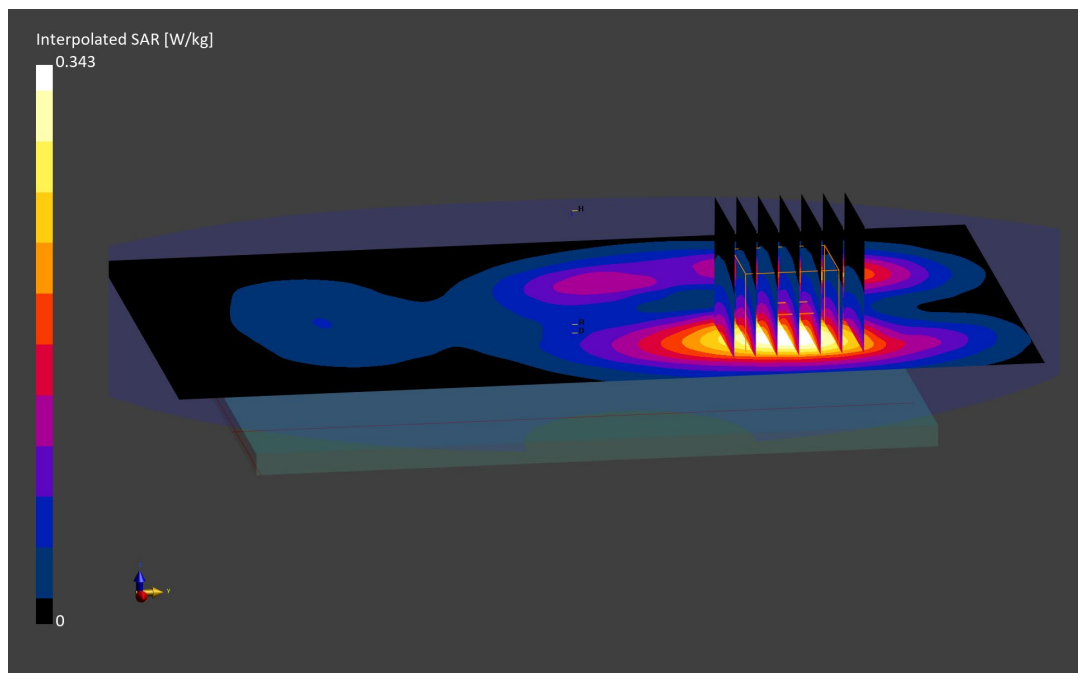
Reference Value = 0.21 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.205 W/kg

Smallest distance from peaks to all points 3 dB below is 19.2 mm

Ratio of SAR at M2 to SAR at M1 = 84.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 1676M

Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 5320.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5320.0 MHz; cond = 5.39 S/m; perm = 47.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/24/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.2°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, Antenna MIMO, Ch. 64, 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

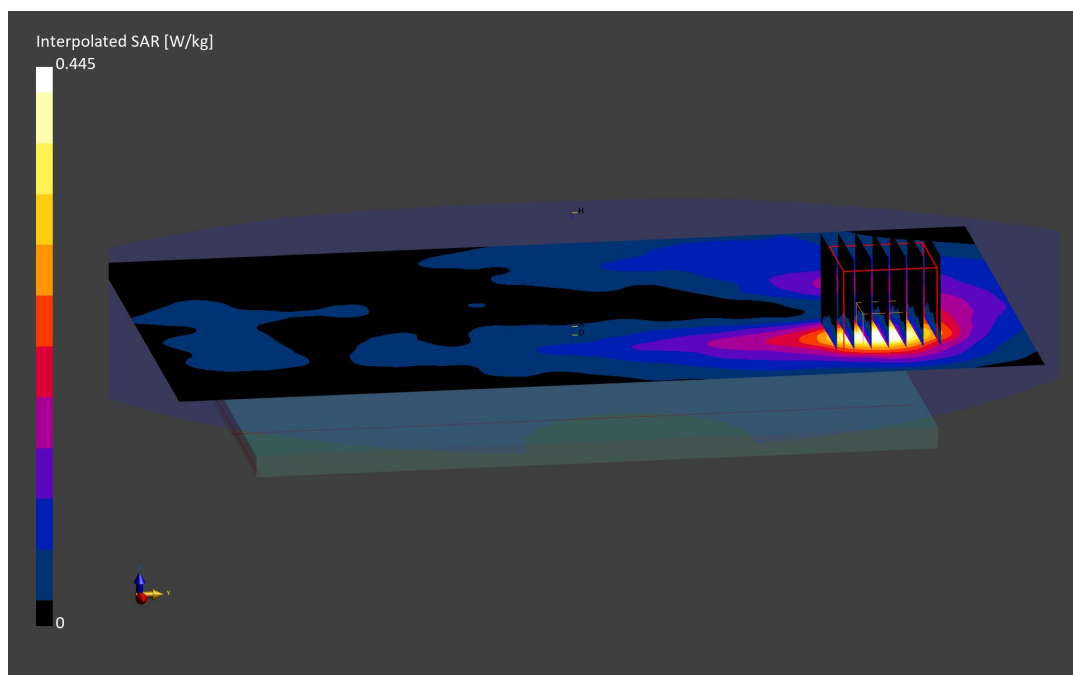
Reference Value = 0.08 W/kg; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.137 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 = 67.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2610M

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

Medium: 2450 Body; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.97$ S/m; $\text{perm} = 50.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

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

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 1, Body SAR, Ch. 0, 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

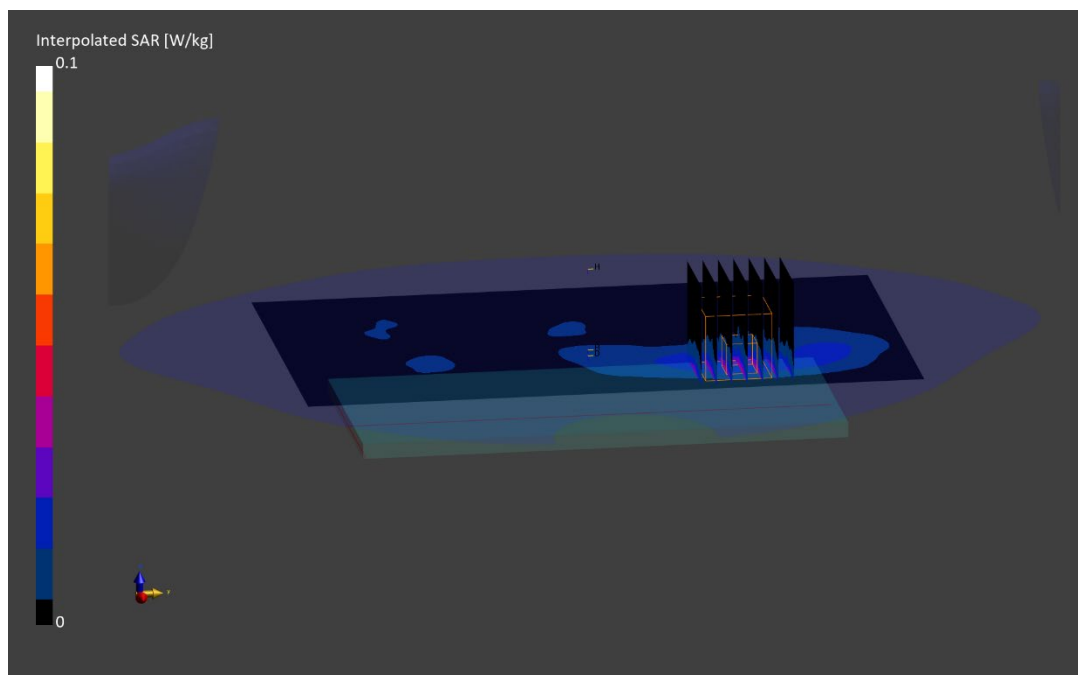
Reference Value = 0.03 W/kg; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.042 W/kg

SAR(1 g) = 0.020 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 = 77.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

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

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

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

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

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

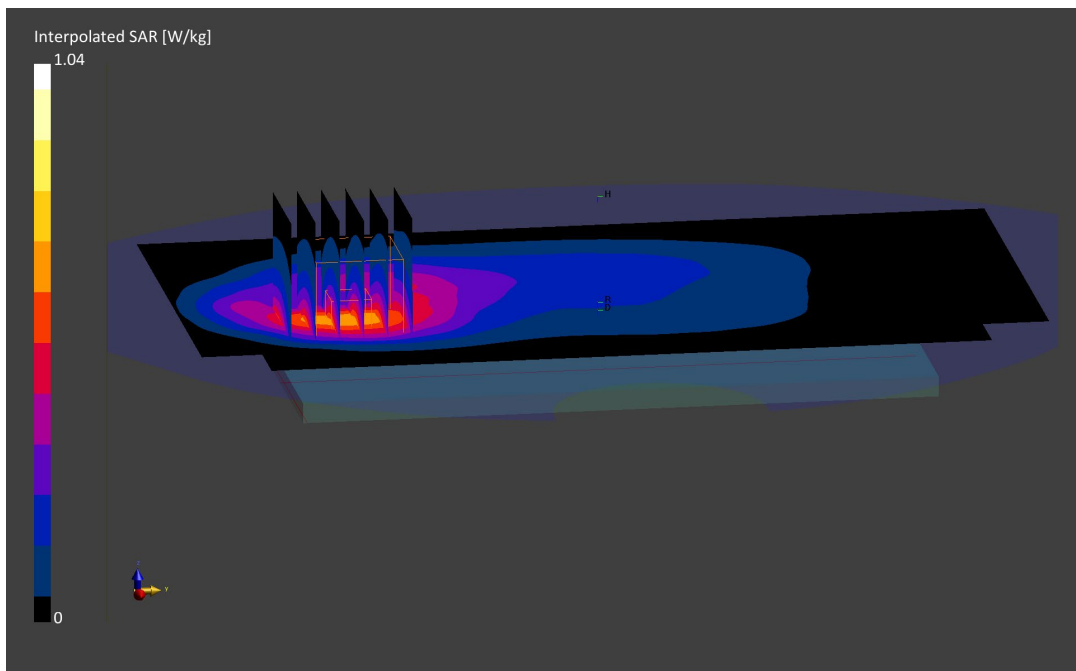
Reference Value = 0.52 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.576 W/kg

Smallest distance from peaks to all points 3 dB below is 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 83.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2628M

Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.55 S/m; perm = 51.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/04/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.4°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=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5

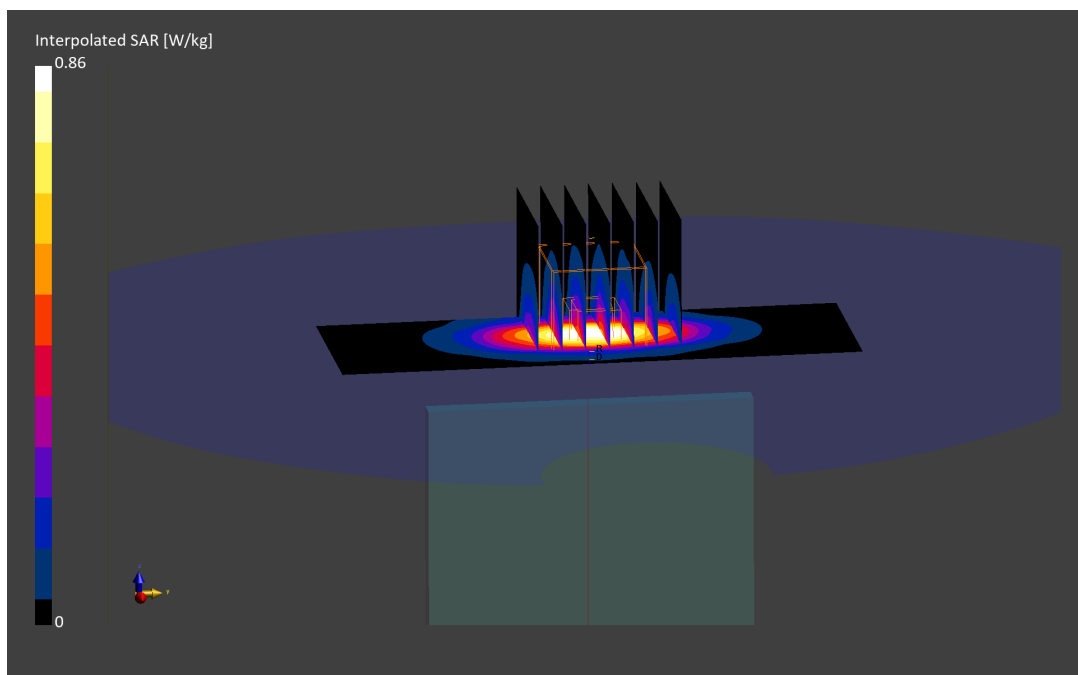
Reference Value = 0.47 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.860 W/kg

SAR(1 g) = 0.441 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 80.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 846.6 MHz

Medium: 835 Body; Medium parameters used:

$f = 846.6$ MHz; $\text{cond} = 0.941$ S/m; $\text{perm} = 52.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/27/2022; Ambient Temp: 22.7°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.55,9.55,9.55); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 850, Body SAR, Back Side, High Ch.

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

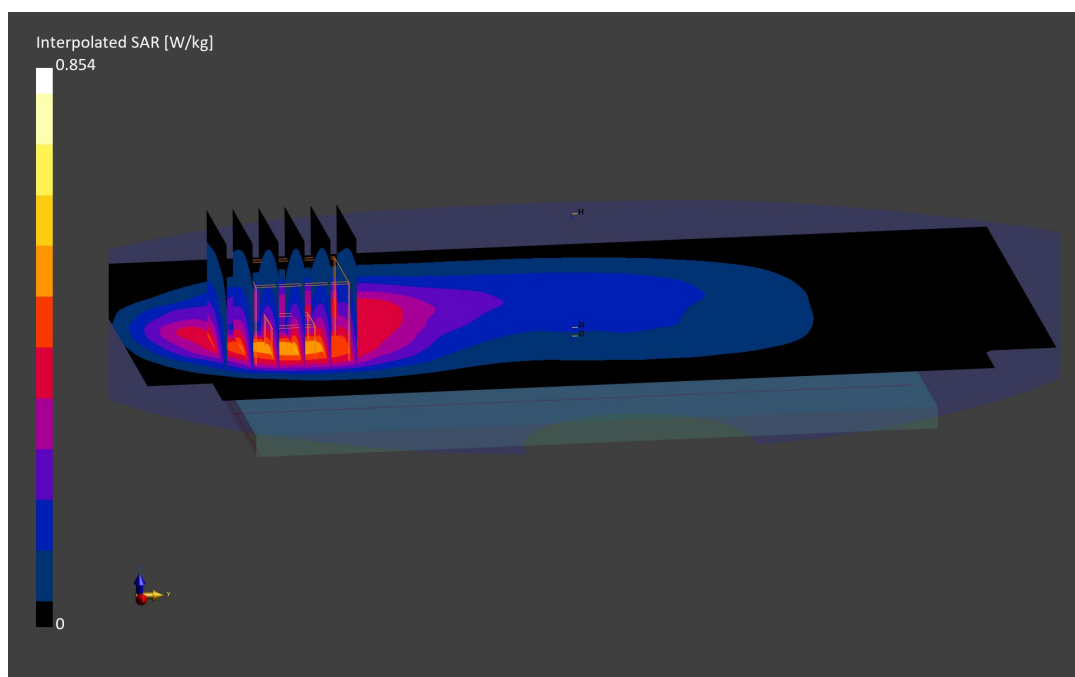
Reference Value = 0.51 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.854 W/kg

SAR(1 g) = 0.495 W/kg

Smallest distance from peaks to all points 3 dB below is 12.0 mm

Ratio of SAR at M2 to SAR at M1 = 85.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2649M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1752.6 MHz

Medium: 1750 Body; Medium parameters used:

f = 1752.6 MHz; cond = 1.51 S/m; perm = 52.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/28/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7660; ConvF:(9.22,9.22,9.22); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

Phantom: Twin-SAM V5.0; Serial: 1692rightback

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

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

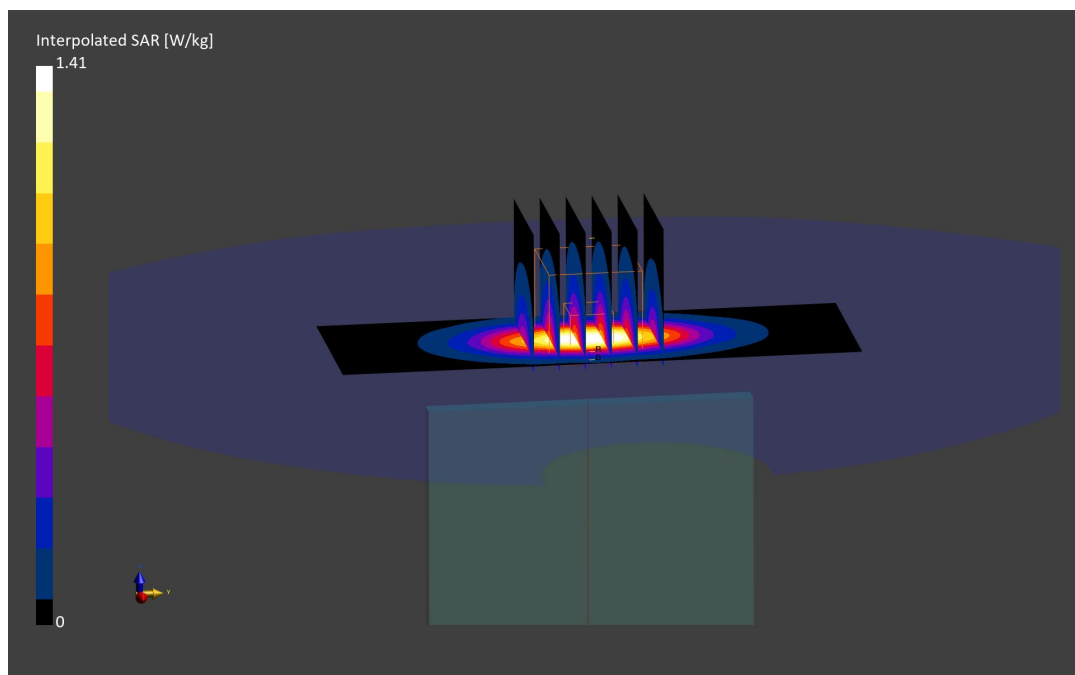
Reference Value = 0.67 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.784 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 = 82.7 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1880.0 MHz; cond = 1.55 S/m; perm = 51.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/21/2022; Ambient Temp: 24.1°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn665; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, 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

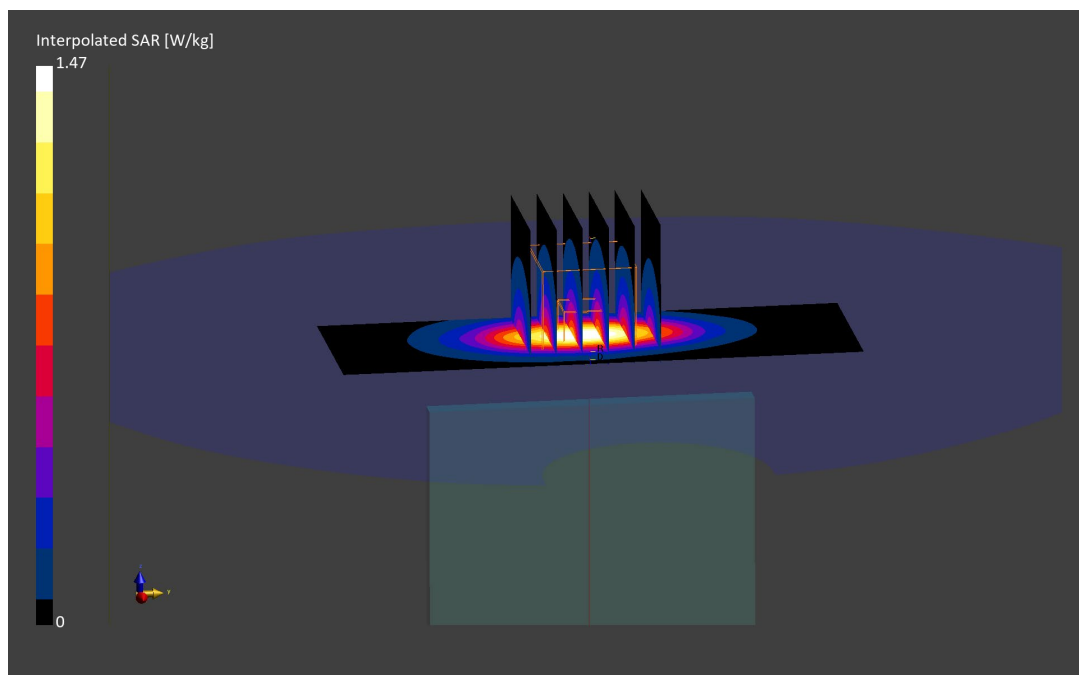
Reference Value = 0.83 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.834 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 = 83.6 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

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

Medium: 750 Body; Medium parameters used:

f = 680.5 MHz; cond = 0.912 S/m; perm = 54.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/07/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

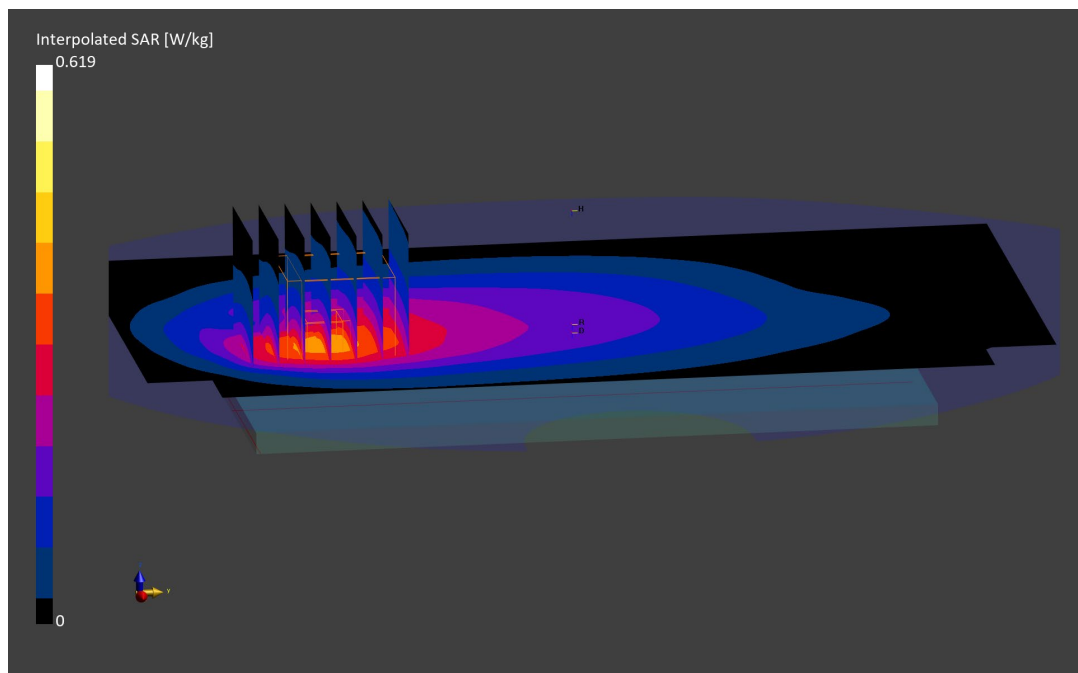
Reference Value = 0.36 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.349 W/kg

Smallest distance from peaks to all points 3 dB below is 15.2 mm

Ratio of SAR at M2 to SAR at M1 = 80.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
 Medium: 750 Body; Medium parameters used (interpolated):
 $f = 707.5 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 55.253$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/20/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 707.5 MHz; Calibrated: 6/29/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1532; Calibrated: 6/14/2022
 Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
 Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 12, Body SAR, Back side, Mid.ch,
 10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

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

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

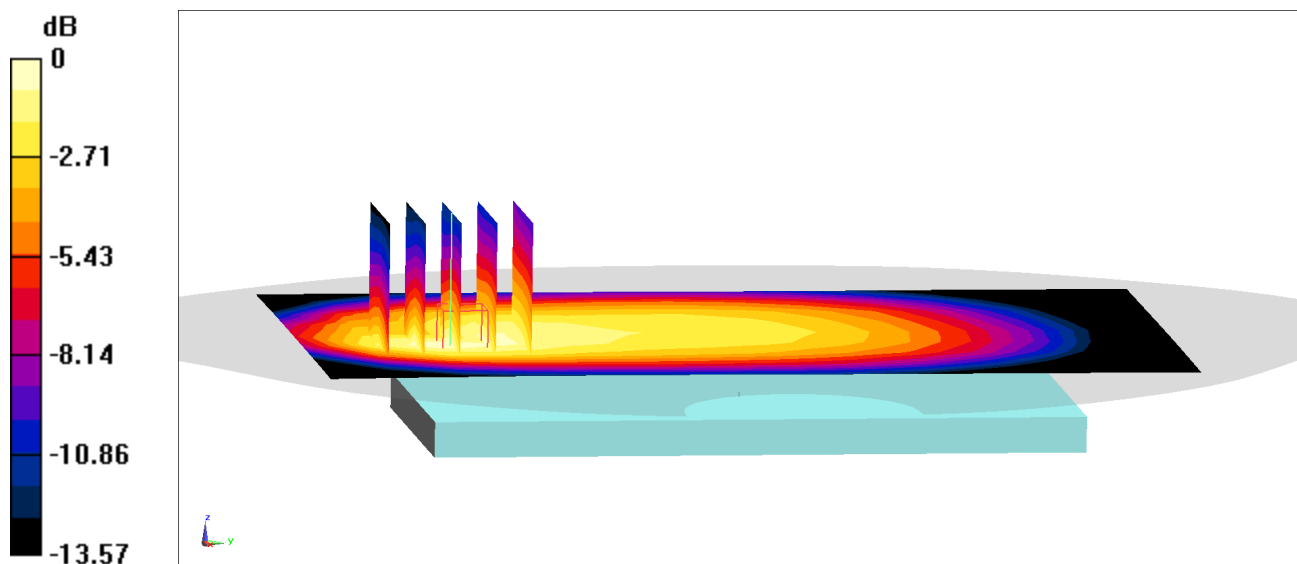
Reference Value = 19.23 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.318 W/kg

Smallest distance from peaks to all points 3 dB below = 15.1 mm

Ratio of SAR at M2 to SAR at M1 = 59.1%



0 dB = 0.454 W/kg = -3.43 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0622M

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

Medium: 750 Body; Medium parameters used:

$f = 782.0$ MHz; $\text{cond} = 0.950$ S/m; $\text{perm} = 53.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 13, Body SAR, Back side, Mid Ch,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

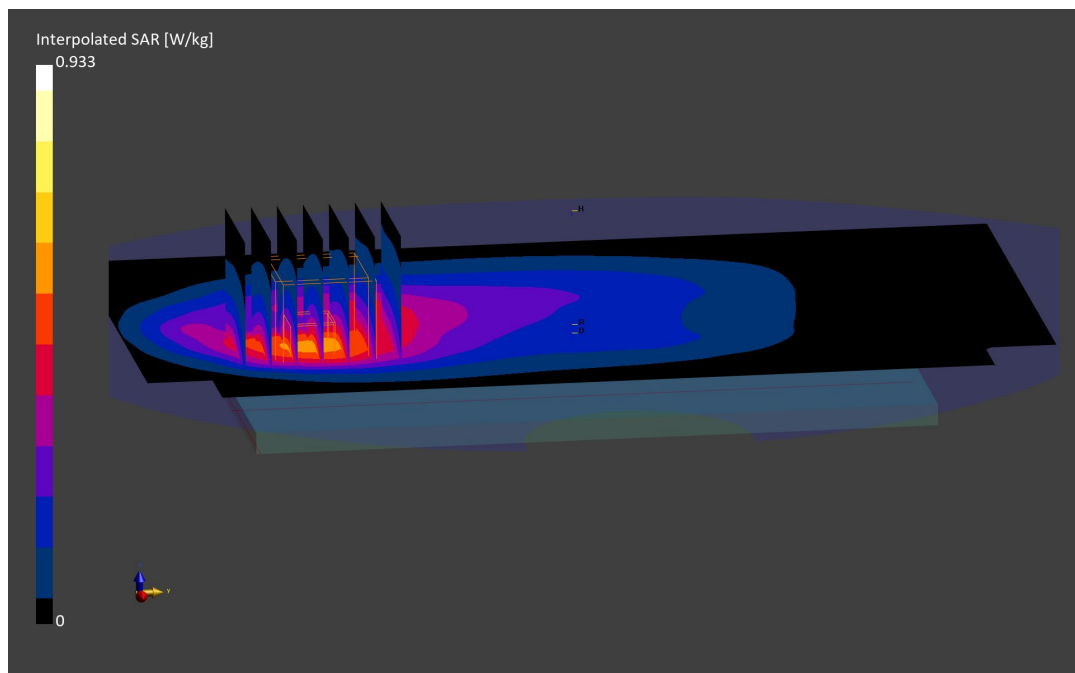
Reference Value = 0.54 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.933 W/kg

SAR(1 g) = 0.526 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 = 82.2 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

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

Medium: 750 Body; Medium parameters used:

$f = 793.0$ MHz; $\text{cond} = 0.954$ S/m; $\text{perm} = 53.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/13/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 14, Body SAR, Back side, Mid Ch,
10 MHz Bandwidth, QPSK, 1 RB, 49 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

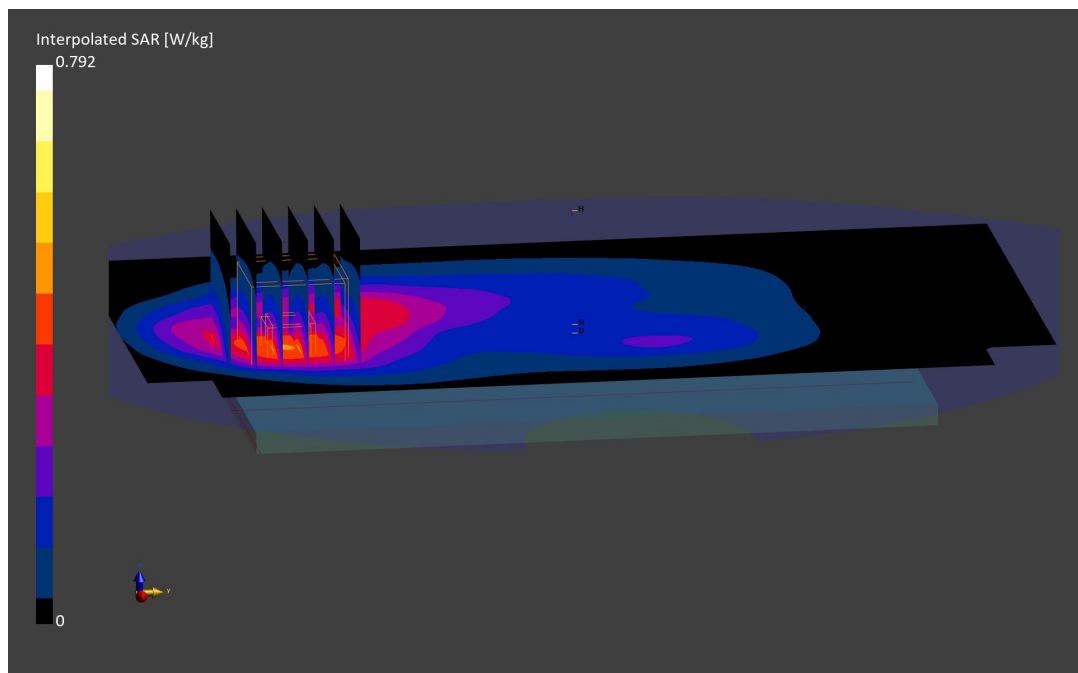
Reference Value = 0.43 W/kg; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.792 W/kg

SAR(1 g) = 0.424 W/kg

Smallest distance from peaks to all points 3 dB below is 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 80.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0634M

Communication System: UID:10181 - CAF, LTE-FDD; MAIA: Y; Frequency: 831.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 831.5$ MHz; $\text{cond} = 0.953$ S/m; $\text{perm} = 54.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/07/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.7°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: LTE Band 26, Body SAR, Back Side, Mid Ch,
15 MHz Bandwidth, QPSK, 1 RB, 36 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

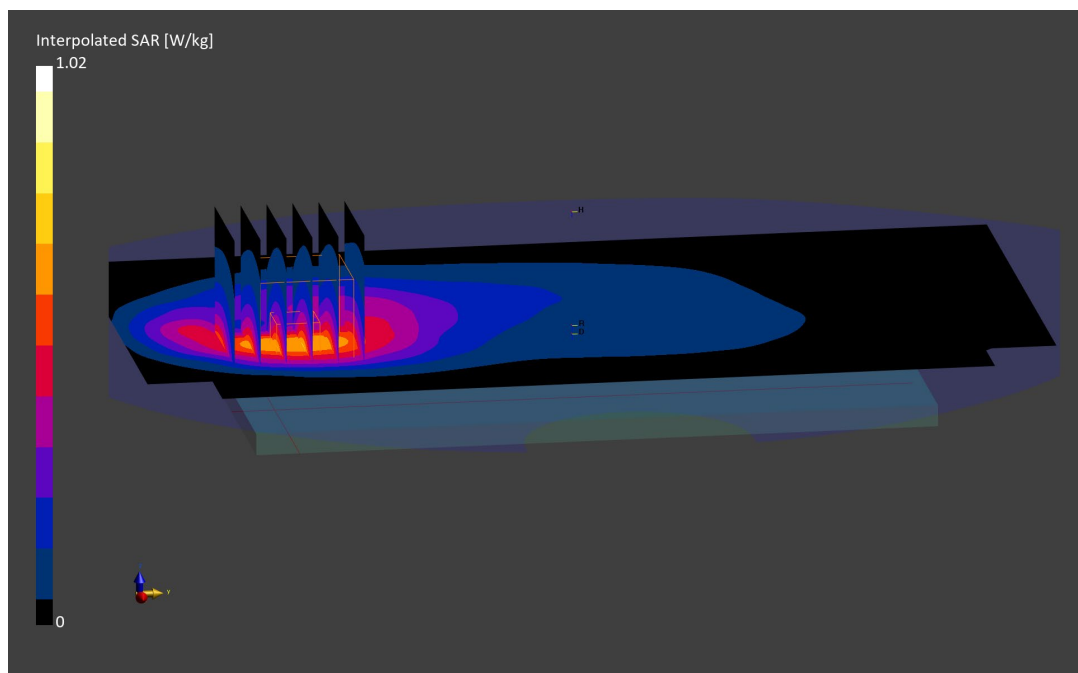
Reference Value = 0.55 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.592 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 = 85.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0649M

Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: 835 Body; Medium parameters used (interpolated):

$f = 836.5$ MHz; $\sigma = 1.005$ S/m; $\epsilon_r = 54.072$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/21/2022; Ambient Temp: 22.1°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 836.5 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 5 (Cell.), Body SAR, Back side, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

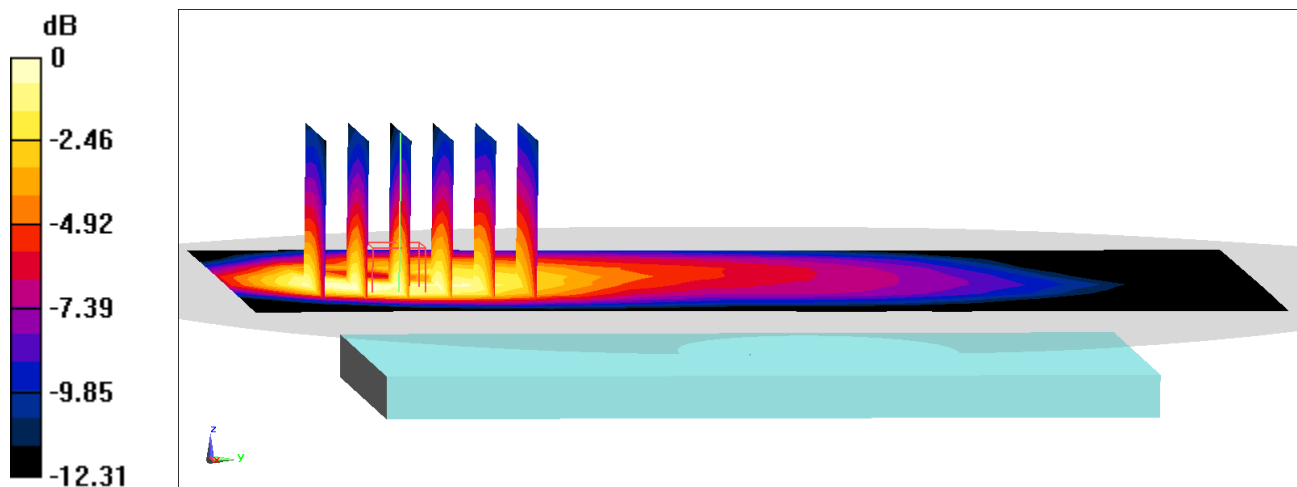
Reference Value = 25.50 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.596 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 62.5%



0 dB = 0.823 W/kg = -0.85 dBW/kg

ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2683M

Communication System: UID:10154 - CAG, LTE-FDD; MAIA: Y; Frequency: 1720.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1720.0 MHz; cond = 1.49 S/m; perm = 52.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/19/2022; Ambient Temp: 22.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7571; ConvF:(8.0,8.0,8.0); Calibrated: 2021-12-10

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

Electronics: DAE4 Sn859; Calibrated: 2021-12-08

Phantom: Twin-SAM V5.0; Serial: 1646

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66 (AWS) ULCA, Antenna A, Body SAR, Bottom Edge,
Low Ch., 10 MHz Bandwidth, QPSK, 25 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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

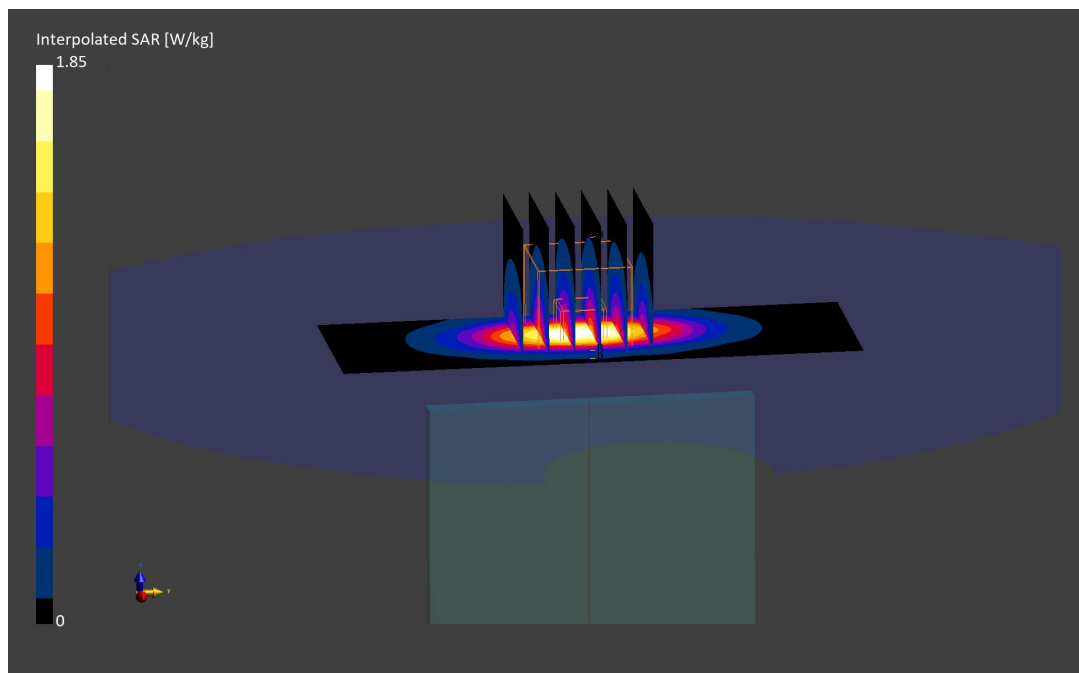
Reference Value = 1.22 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.03 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 = 82.7 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10297 - AAE, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1905.0 MHz; cond = 1.58 S/m; perm = 51.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/21/2022; Ambient Temp: 24.1°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn665; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 25, 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 (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

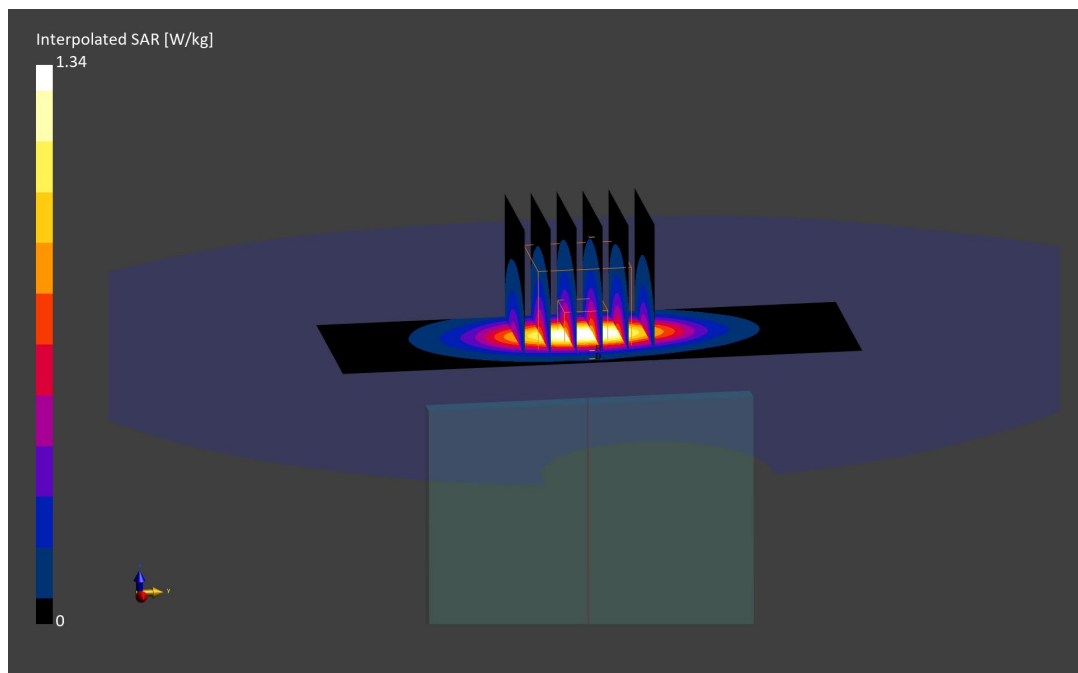
Reference Value = 0.76 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.755 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 = 83.7 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2628M

Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 52.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/28/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 30, Antenna A, Body SAR, Bottom Edge,
10 MHz Bandwidth, Mid Ch, QPSK, 1 RB, 0 RB Offset**

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

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

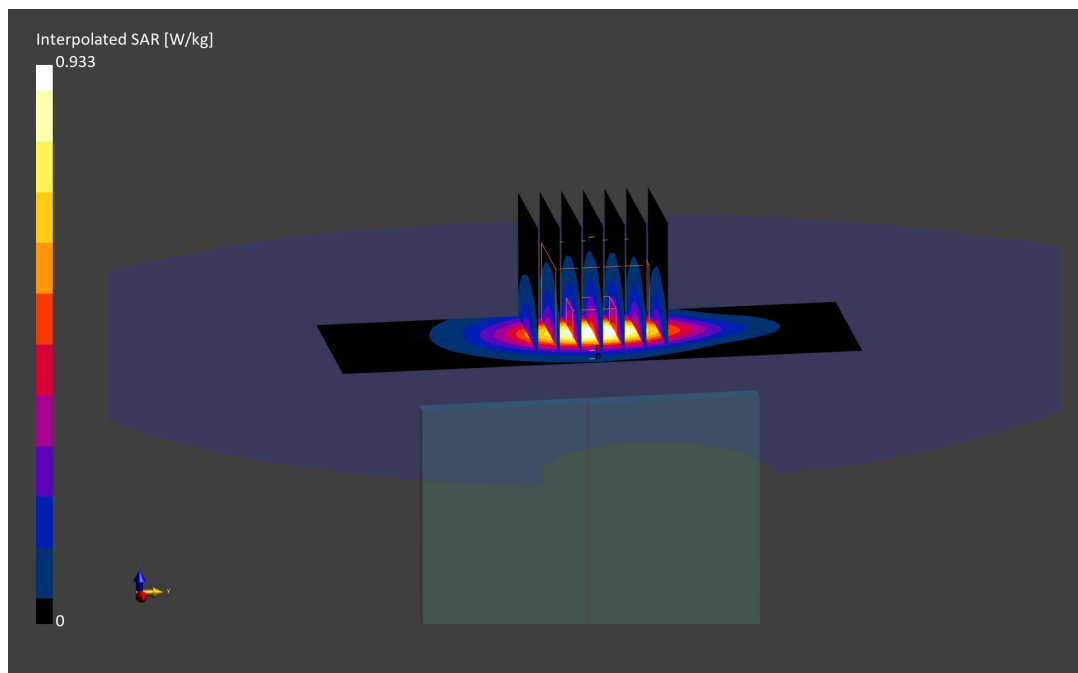
Reference Value = 0.61 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.933 W/kg

SAR(1 g) = 0.478 W/kg

Smallest distance from peaks to all points 3 dB below is 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 80.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2628M

Communication System: UID:10297 - AAE, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2510.0$ MHz; $\text{cond} = 2.01$ S/m; $\text{perm} = 52.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/03/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7659; ConvF:(8.81,8.81,8.81); Calibrated: 2022-04-20

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

Electronics: DAE4 Sn1407; Calibrated: 2022-04-13

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 7, Antenna B, Body SAR, 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, $dy=10.0$ mm

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

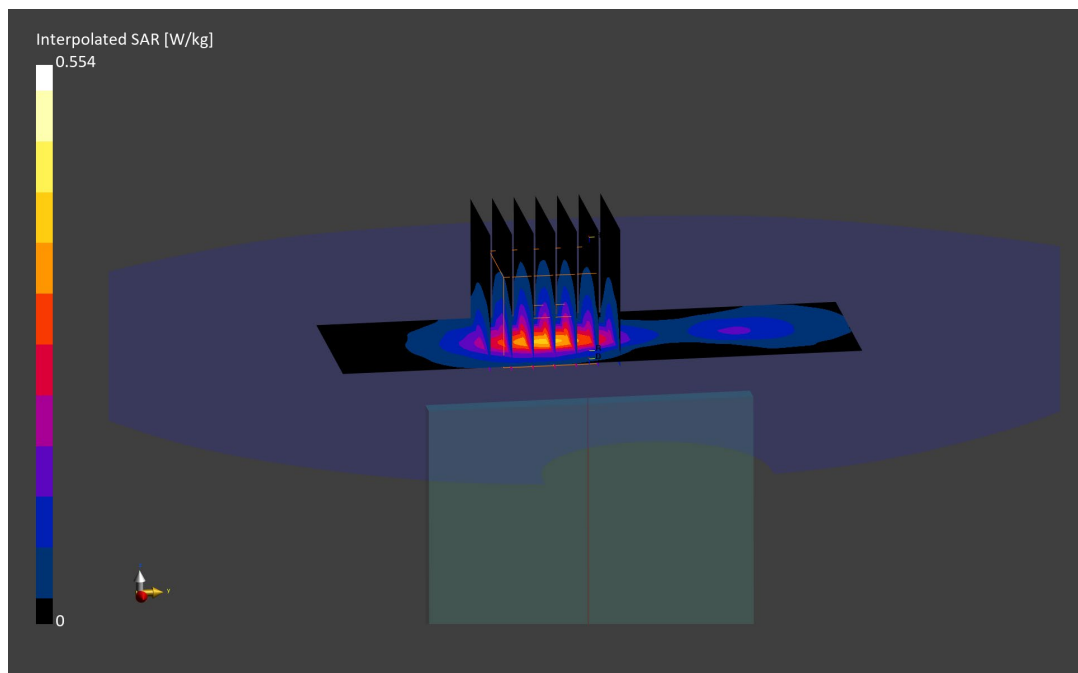
Reference Value = 0.26 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.292 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 = 84.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2658M

Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2593.0$ MHz; $\text{cond} = 2.20$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/19/2022; Ambient Temp: 21.2°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7668; ConvF:(7.25,7.25,7.25); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Antenna B, Body SAR, Bottom Edge, Mid Ch.,
20 MHz Bandwidth, QPSK, 50 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

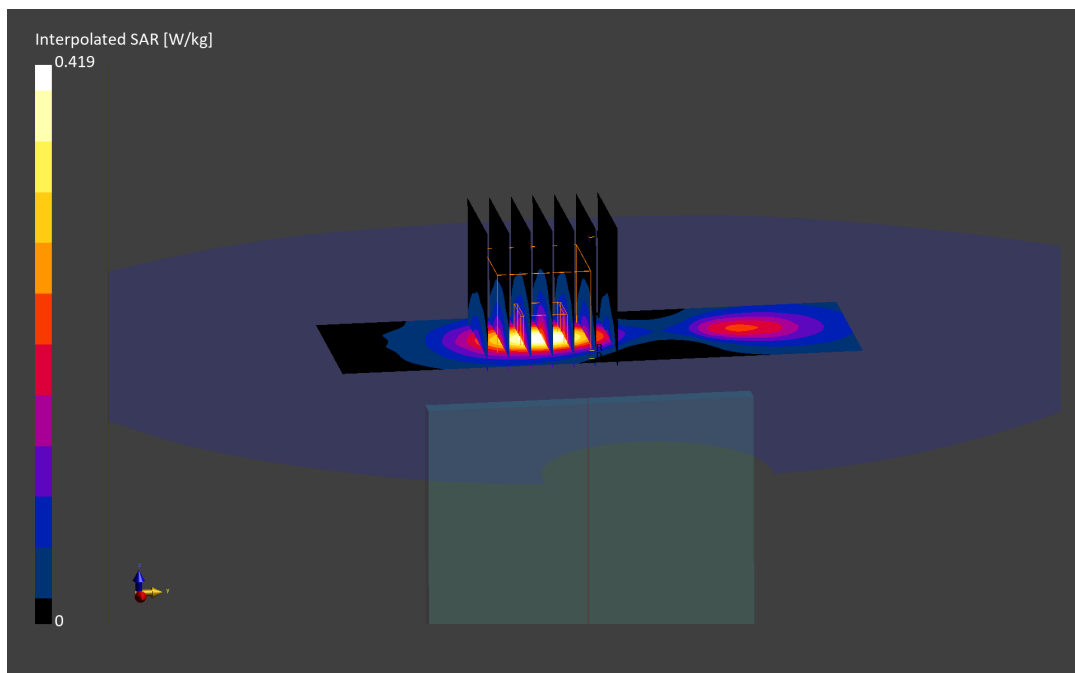
Reference Value = 0.27 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.209 W/kg

Smallest distance from peaks to all points 3 dB below is 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 80.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2680M

Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 3690.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3690.0 MHz; cond = 3.39 S/m; perm = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/12/2022; Ambient Temp: 21.4°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7410; ConvF:(6.45,6.45,6.45); Calibrated: 2022-07-19

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

Electronics: DAE4 Sn1583; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 1630

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 48 ULCA, Body SAR, Back Side,

PCC: Ch. 56640, 20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset

SCC: Ch. 56442, 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 (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

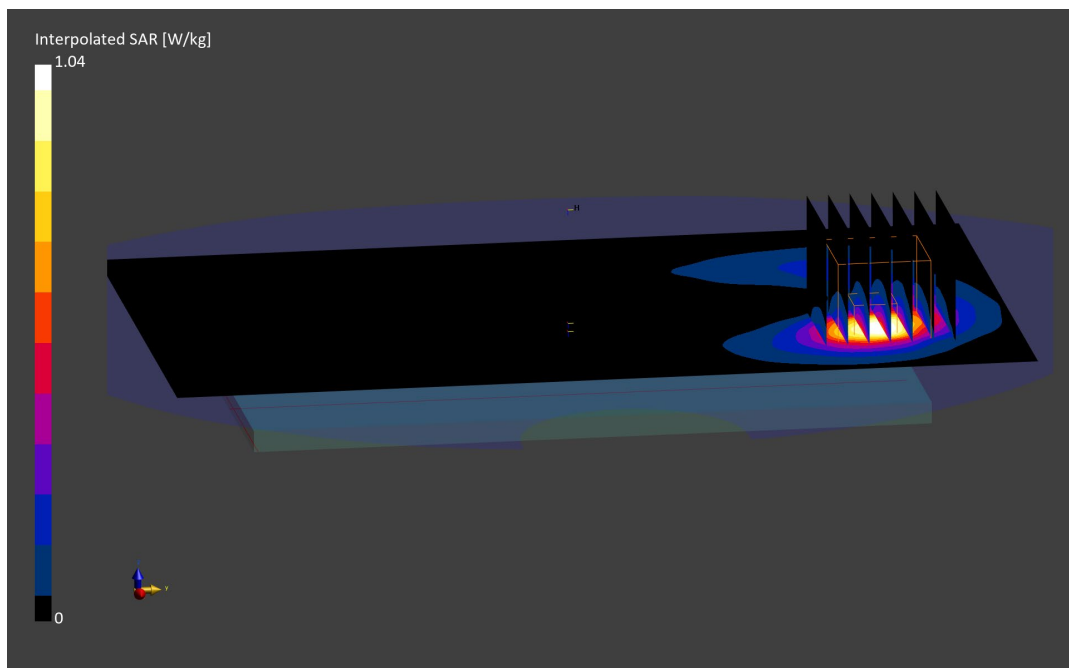
Reference Value = 0.56 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.451 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 = 77.8 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0617M

Communication System: UID:10931 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 680.5 MHz

Medium: 750 Body; Medium parameters used:

$f = 680.5$ MHz; $\text{cond} = 0.926$ S/m; $\text{perm} = 54.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/11/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

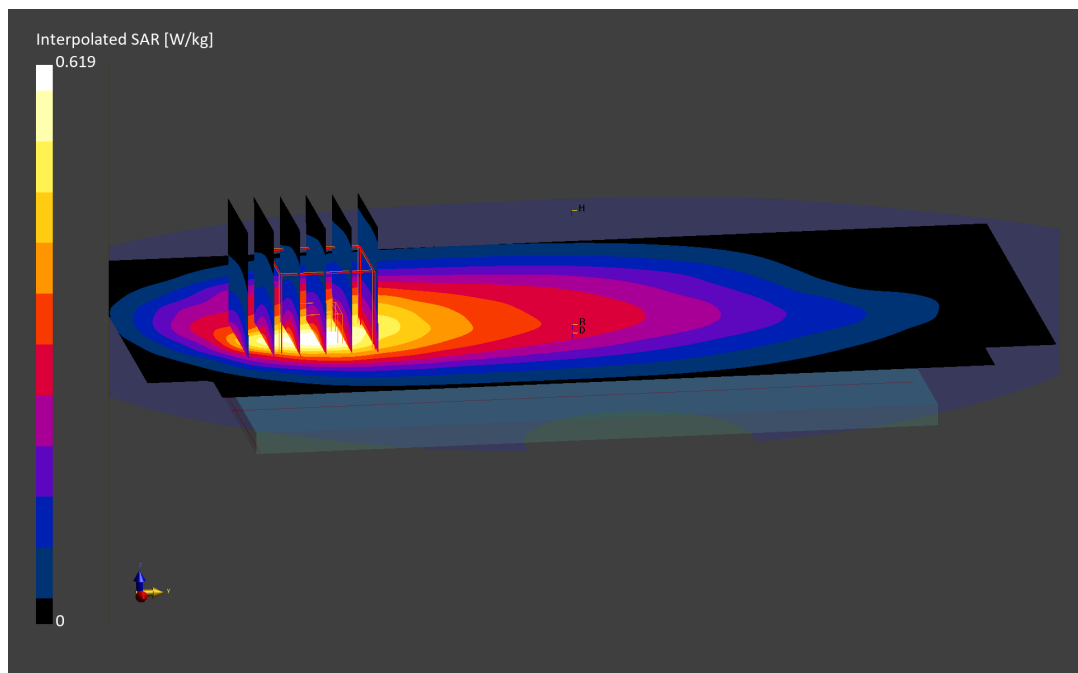
Reference Value = 0.41 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.346 W/kg

Smallest distance from peaks to all points 3 dB below is 15.2 mm

Ratio of SAR at M2 to SAR at M1 = 80.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0617M

Communication System: UID:10930 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 707.5 MHz

Medium: 750 Body; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.936$ S/m; $\text{perm} = 54.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/11/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

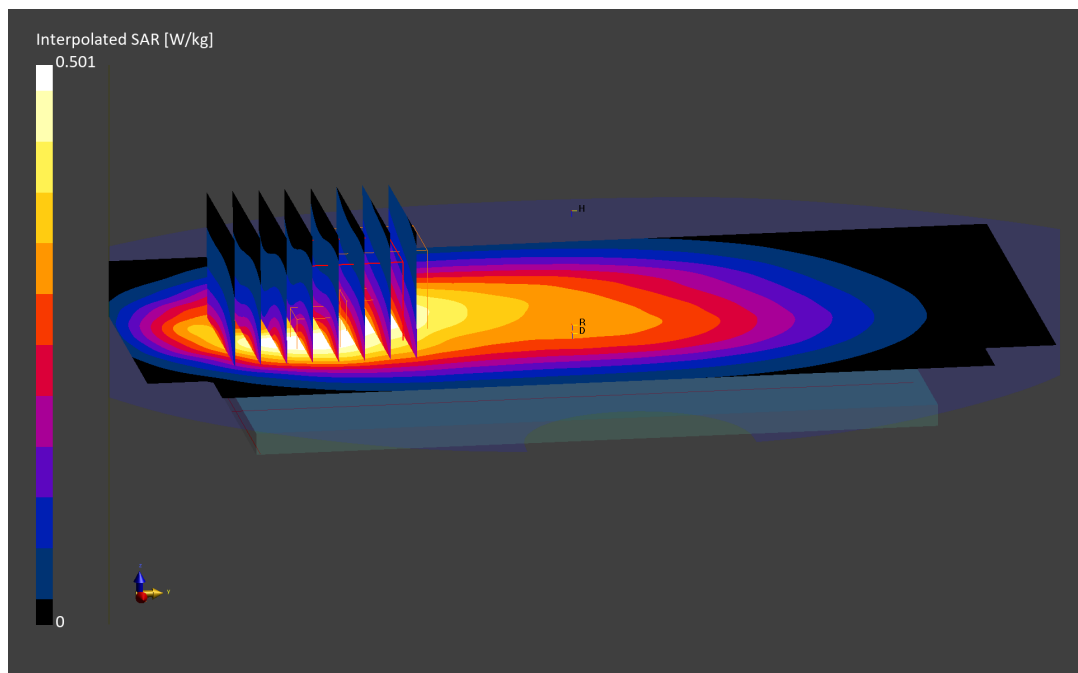
Reference Value = 0.33 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.297 W/kg

Smallest distance from peaks to all points 3 dB below is 14.7 mm

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



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0630M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 831.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 831.5$ MHz; $\text{cond} = 0.959$ S/m; $\text{perm} = 53.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/21/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7660; ConvF:(10.61,10.61,10.61); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

Phantom: Twin-SAM V5.0; Serial: 1692rightback

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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

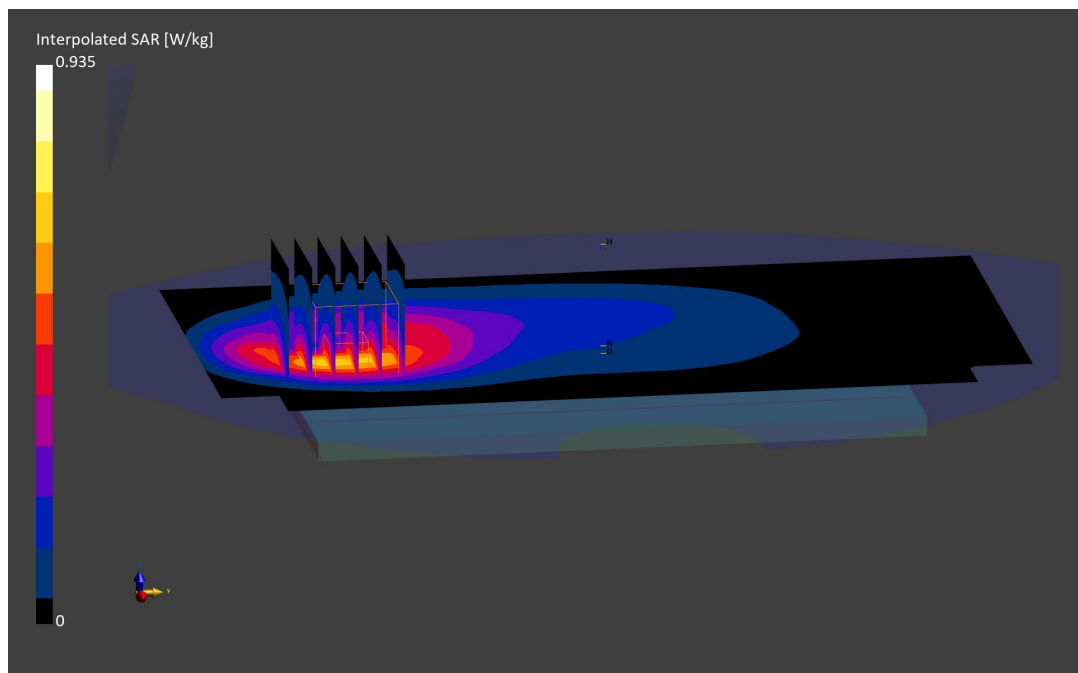
Reference Value = 0.47 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.556 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 = 85.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2625M

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1745.0$ MHz; $\text{cond} = 1.52$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.5°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: NR Band n66, Antenna A, Body 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 (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

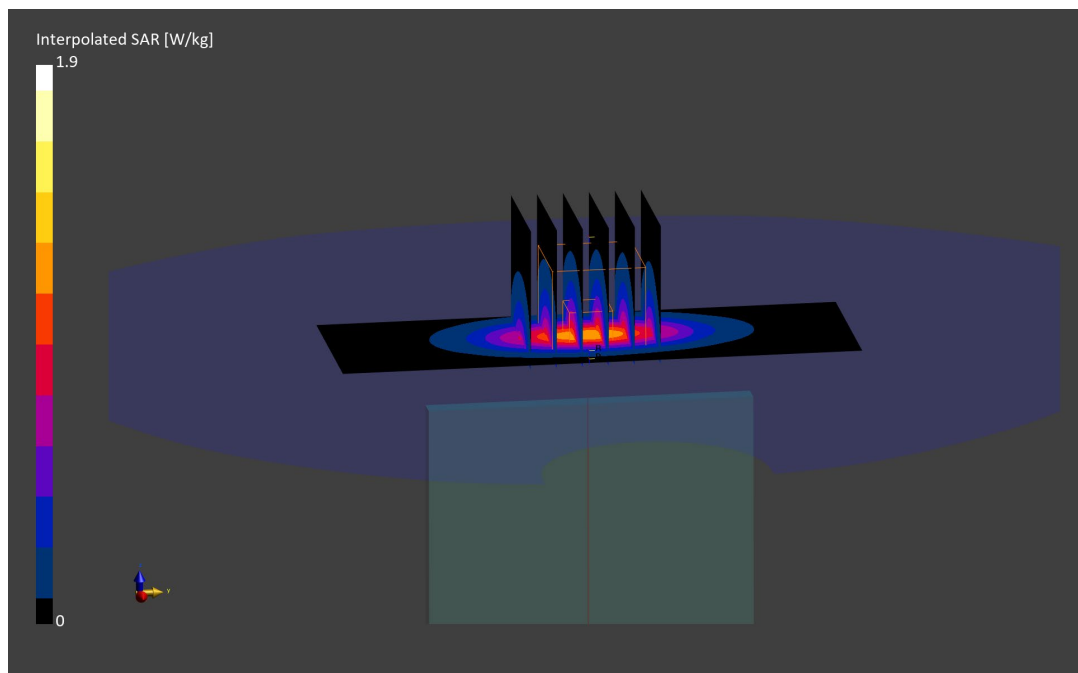
Reference Value = 0.98 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.966 W/kg

Smallest distance from peaks to all points 3 dB below is 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 79.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0377M

Communication System: UID:10950 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1882.5$ MHz; $\text{cond} = 1.48$ S/m; $\text{perm} = 52.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/26/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn1558; Calibrated: 2022-01-14

Phantom: Twin-SAM V8.0; Serial: 20063

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=15.0$ mm

Zoom Scan (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

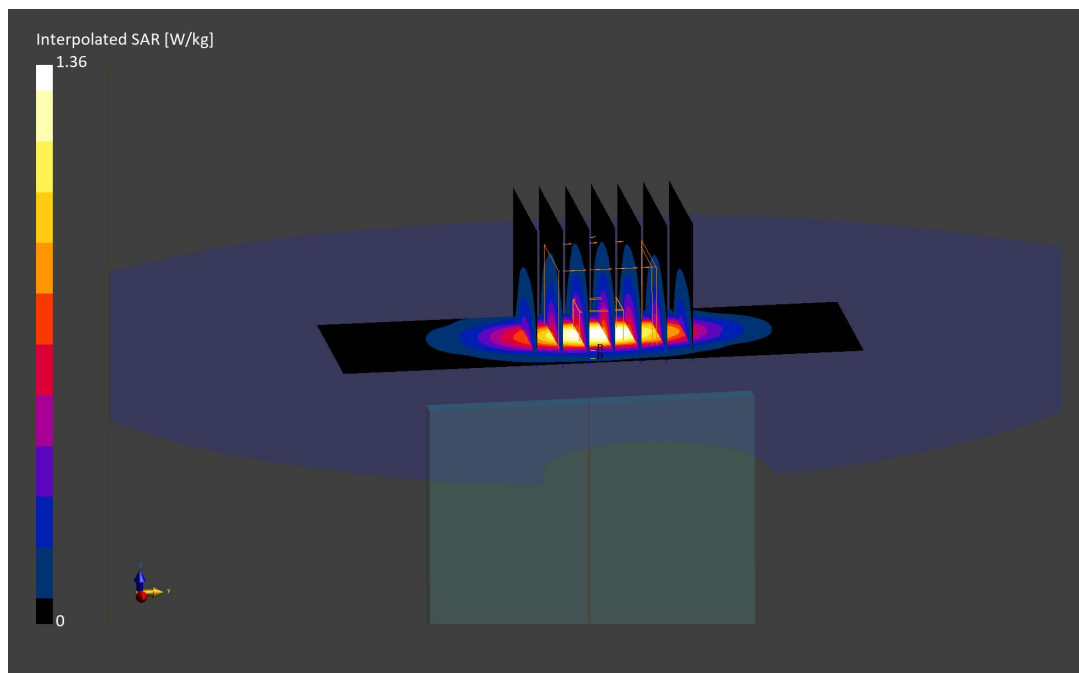
Reference Value = 0.75 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.734 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 = 81.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2625M

Communication System: UID:10768 - AAD, CW; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.84$ S/m; $\text{perm} = 51.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/03/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

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

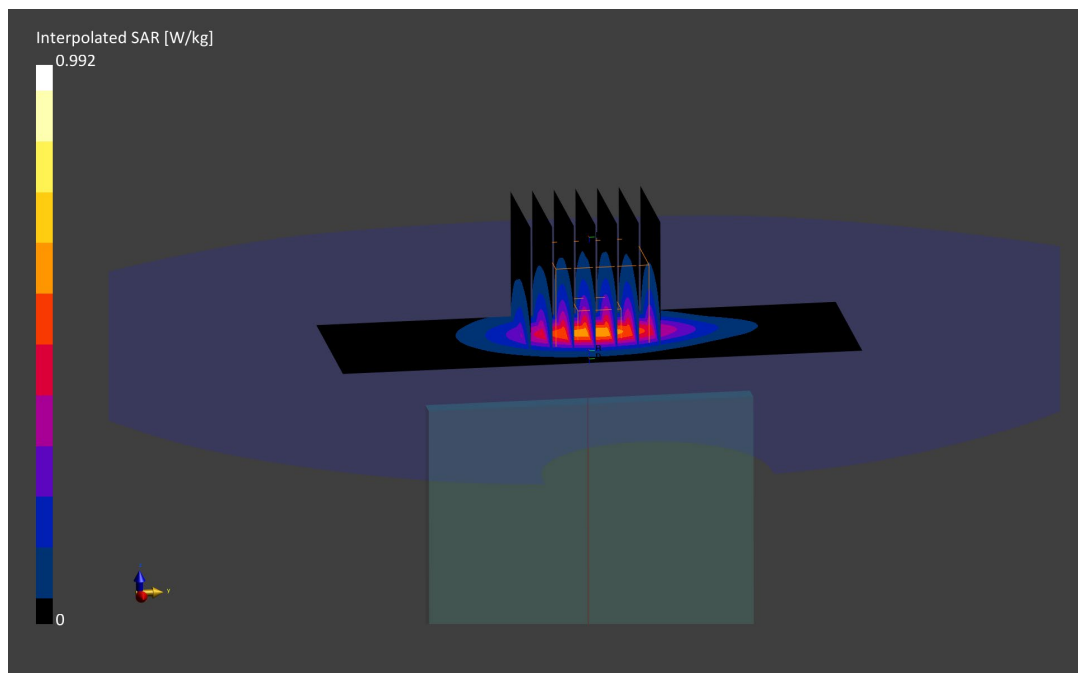
Reference Value = 0.65 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.514 W/kg

Smallest distance from peaks to all points 3 dB below is 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 80.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0377M

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 2535.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2535.0$ MHz; $\text{cond} = 2.04$ S/m; $\text{perm} = 52.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/10/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20

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

Electronics: DAE4 Sn1407; Calibrated: 2022-04-13

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

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

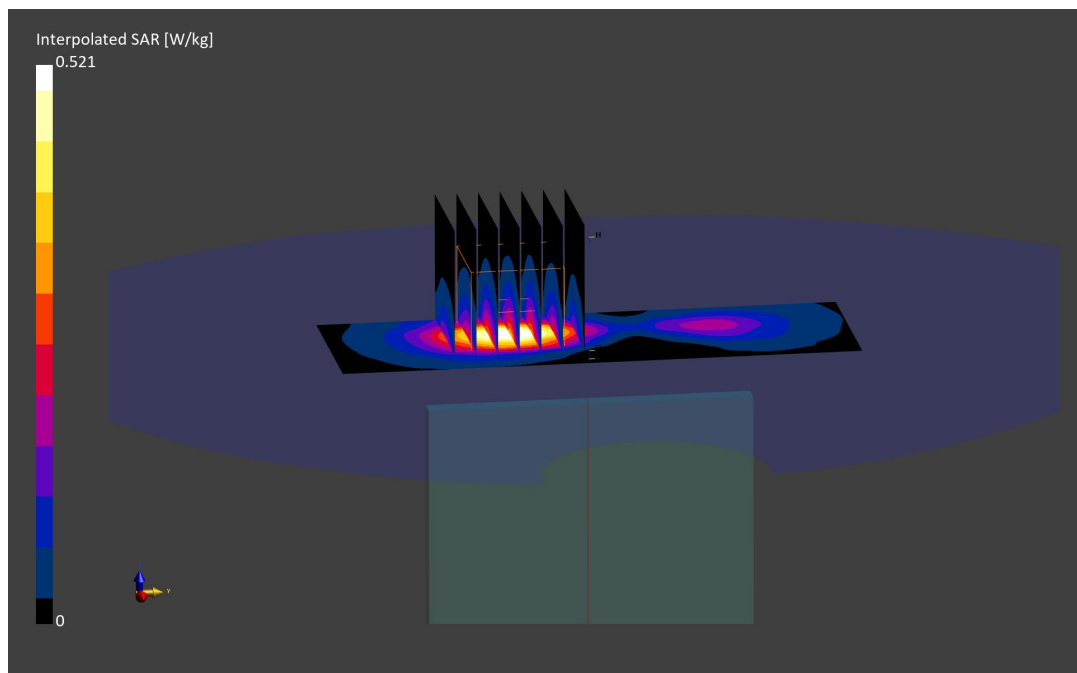
Reference Value = 0.25 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.278 W/kg

Smallest distance from peaks to all points 3 dB below is 10.5 mm

Ratio of SAR at M2 to SAR at M1 = 84.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2645M

Communication System: UID 0, NR Band n41 Full DC; Frequency: 2592.99 MHz; Duty Cycle: 1:1
 Medium: 2450 Body; Medium parameters used (interpolated):
 $f = 2592.99 \text{ MHz}$; $\sigma = 2.066 \text{ S/m}$; $\epsilon_r = 50.586$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/25/2022; Ambient Temp: 18.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7402; ConvF(7.88, 7.88, 7.88) @ 2592.99 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: NR Band n41, Antenna B, Path 2, Body SAR, Bottom Edge,
 100 MHz Bandwidth, DFT-s-OFDM QPSK, Ch. 518598, 1 RB, 137 RB Offset**

Area Scan (11x10x1): Measurement grid: $dx=5\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

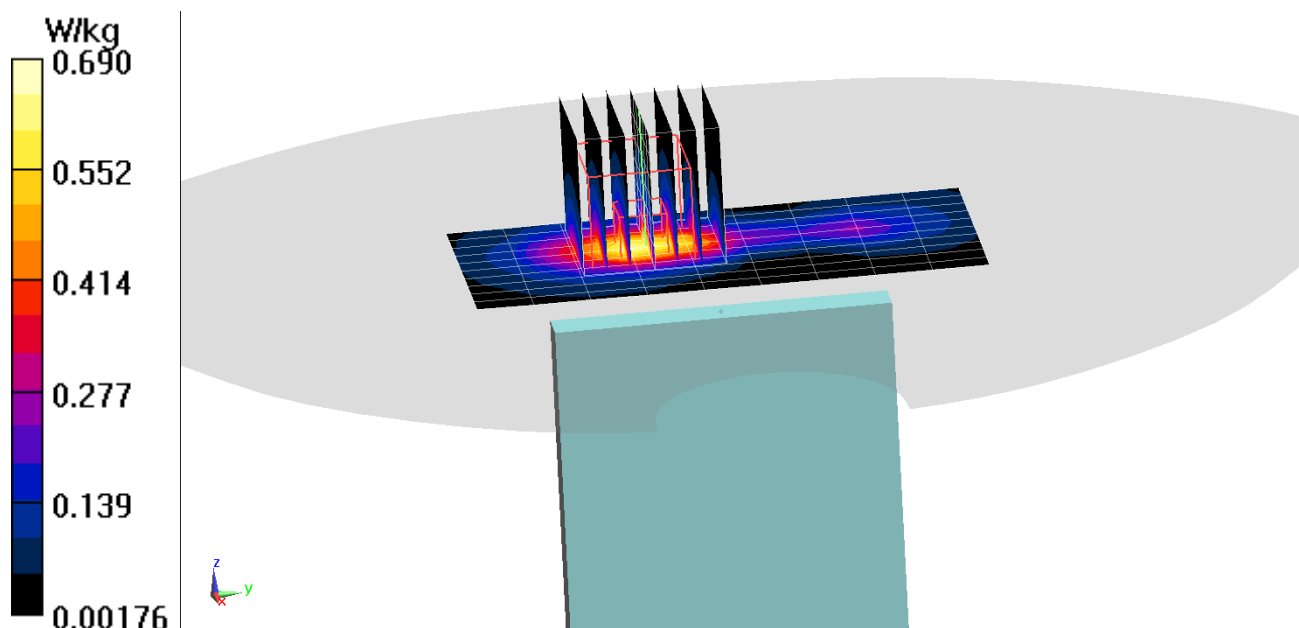
Reference Value = 15.31 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.429 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.2%



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2616M

Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3625.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3625.0 MHz; cond = 3.32 S/m; perm = 49.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.83,5.83,5.83); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n48, Antenna F, Body SAR, Back Side, Ch.641666,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 104 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

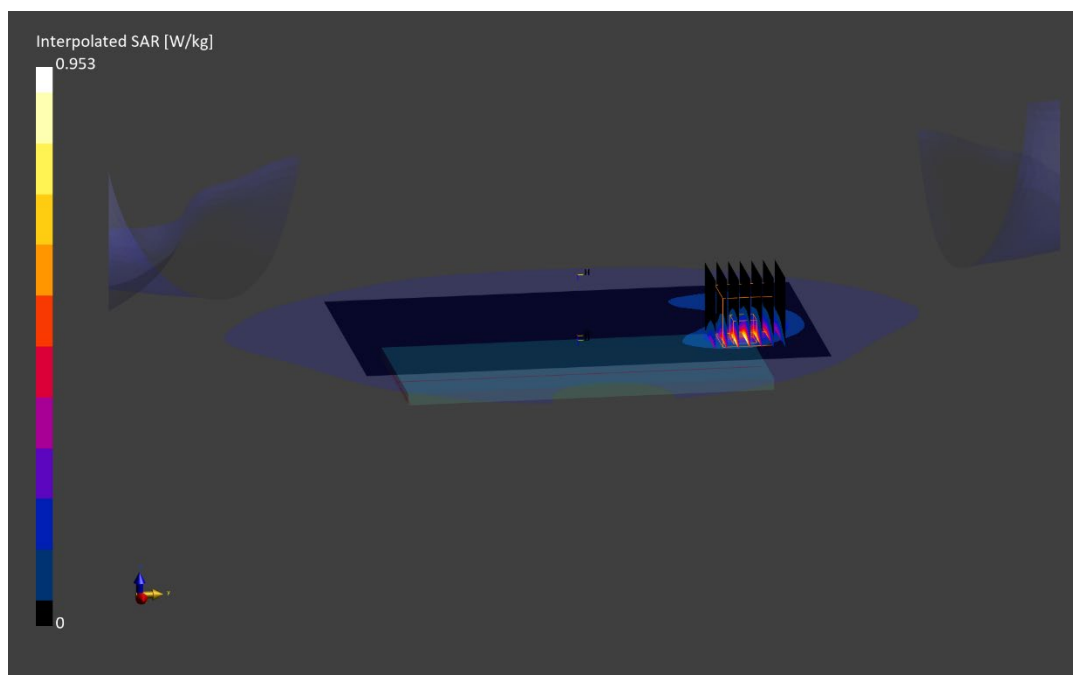
Reference Value = 0.36 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.414 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 = 77.7 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2637M

Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3500.0$ MHz; $\text{cond} = 3.23$ S/m; $\text{perm} = 50.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3837; ConvF:(5.99,5.99,5.99); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn793; Calibrated: 2022-01-13

Phantom: Twin-SAM V8.0; Serial: 2034

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n77 DoD, Antenna F, Body SAR, Back side, Ch. 633334,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

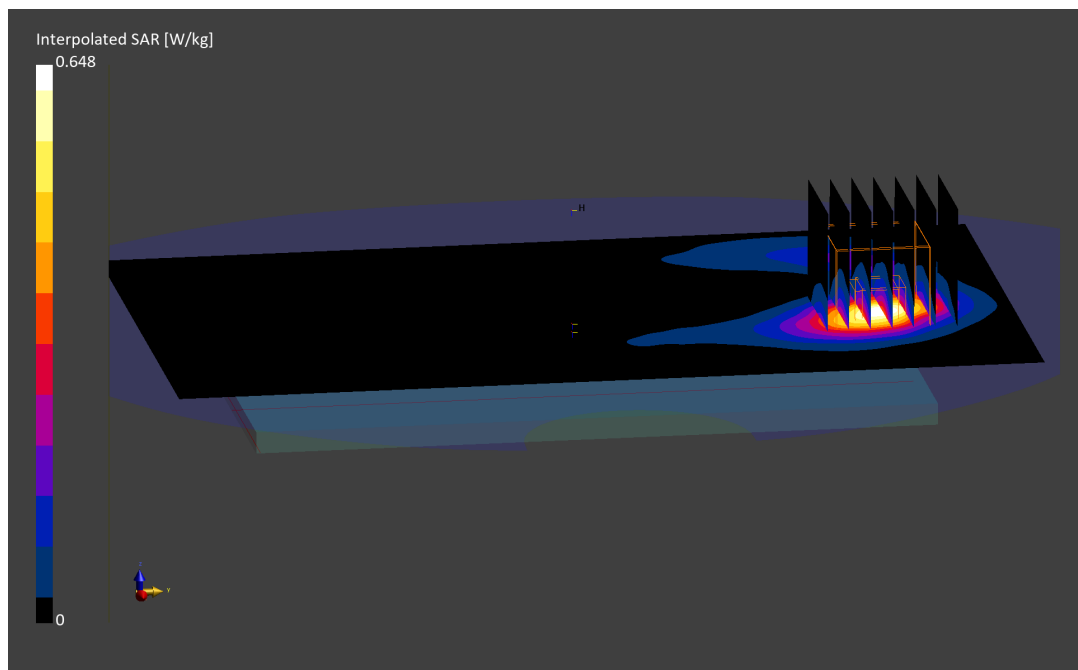
Reference Value = 0.27 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.648 W/kg

SAR(1 g) = 0.296 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 = 78.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2616M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3930.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3930.0$ MHz; $\text{cond} = 3.70$ S/m; $\text{perm} = 49.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7427; ConvF:(5.61,5.61,5.61); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77, Antenna F, Body SAR, Back Side, Ch. 662000
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 (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

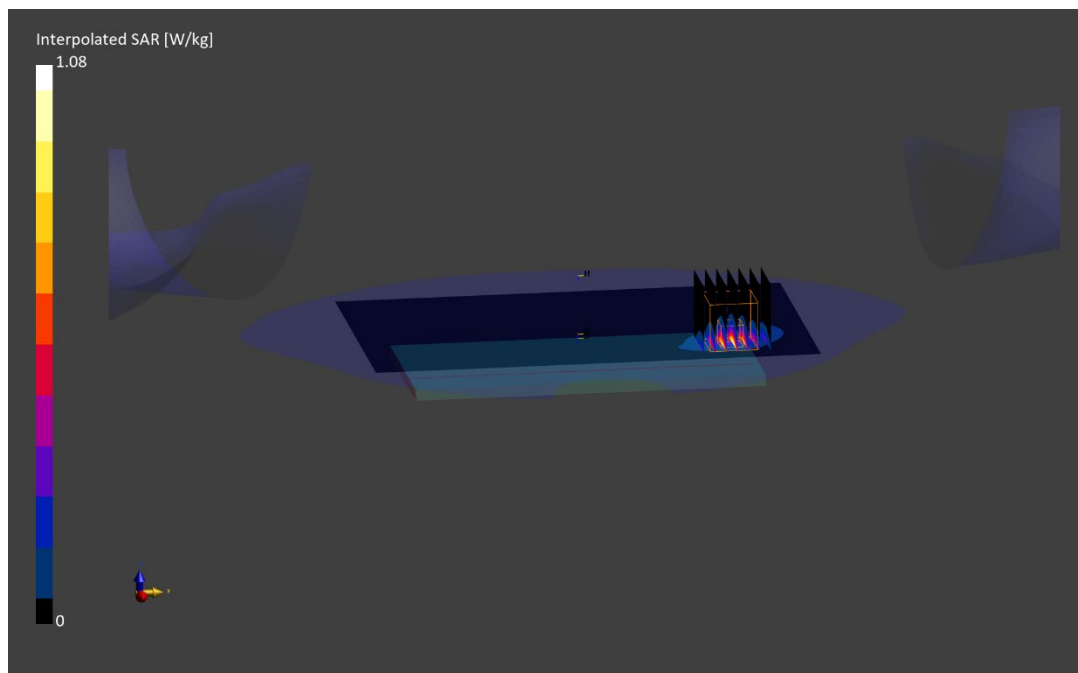
Reference Value = 0.39 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.447 W/kg

Smallest distance from peaks to all points 3 dB below is 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 76.8 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2599M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2437.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2437.0$ MHz; $\text{cond} = 1.93$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/04/2022; Ambient Temp: 21.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7565; ConvF:(6.97,6.97,6.97); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO,
Body SAR, Front Side, Ch. 6, 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

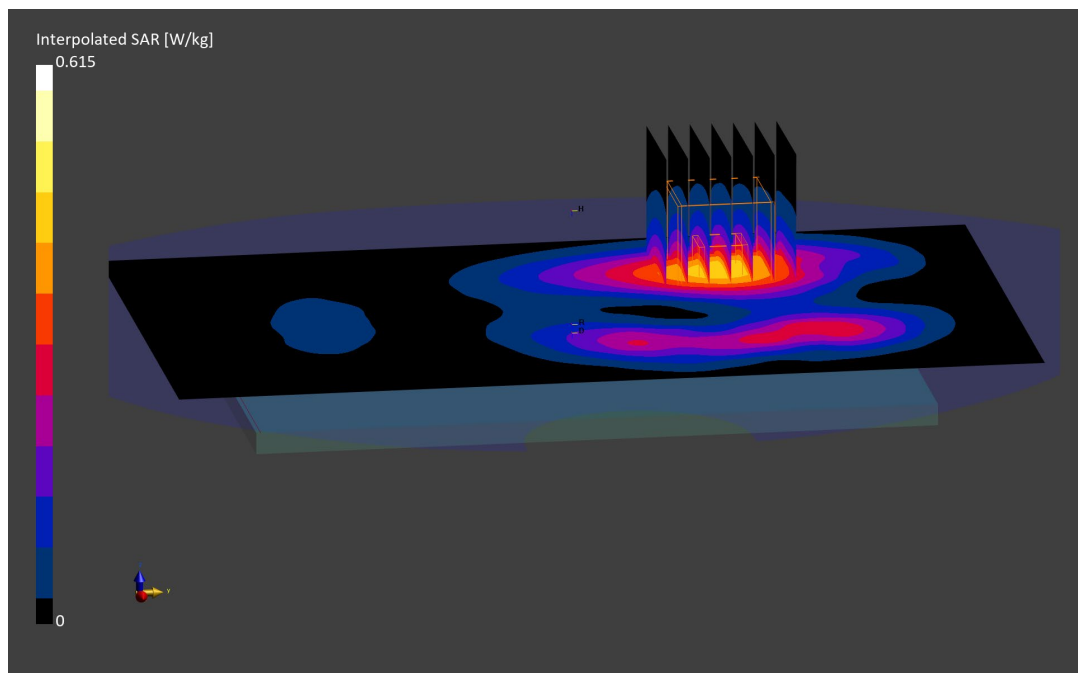
Reference Value = 0.36 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.367 W/kg

Smallest distance from peaks to all points 3 dB below is 15.6 mm

Ratio of SAR at M2 to SAR at M1 = 84.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 1676M

Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 5825.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5825.0 MHz; cond = 6.13 S/m; perm = 46.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/24/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.2°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, Antenna MIMO,
Ch. 165, 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

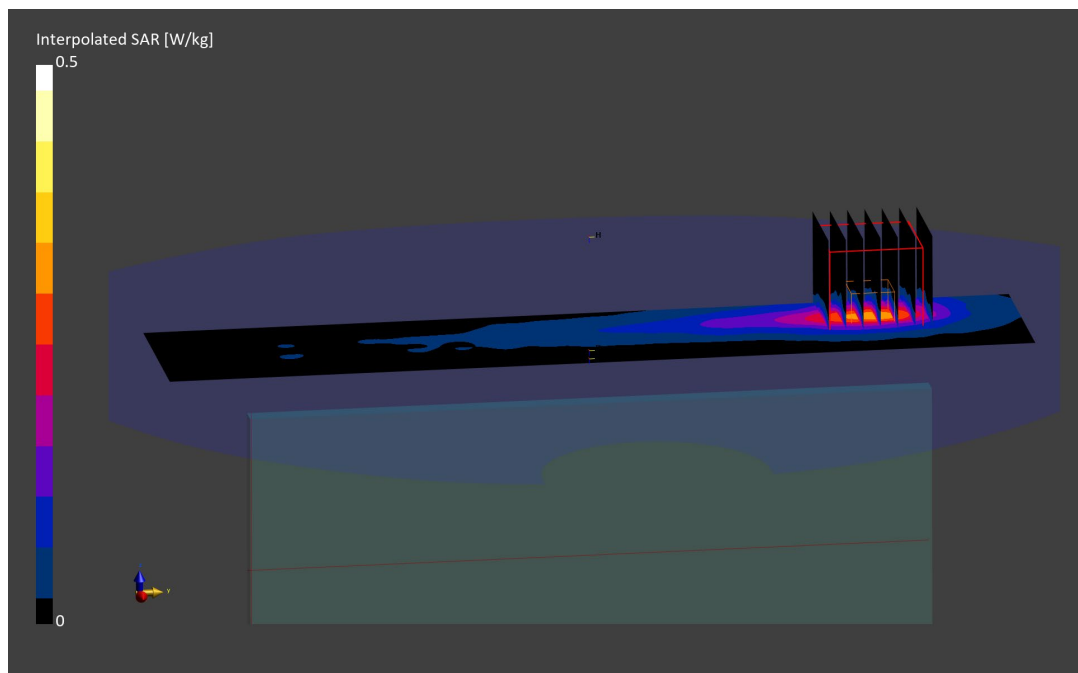
Reference Value = 0.10 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.888 W/kg

SAR(1 g) = 0.219 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 = 59.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2610M

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

Medium: 2450 Body; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.97$ S/m; $\text{perm} = 50.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

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

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 1, Body SAR, Ch. 0, 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

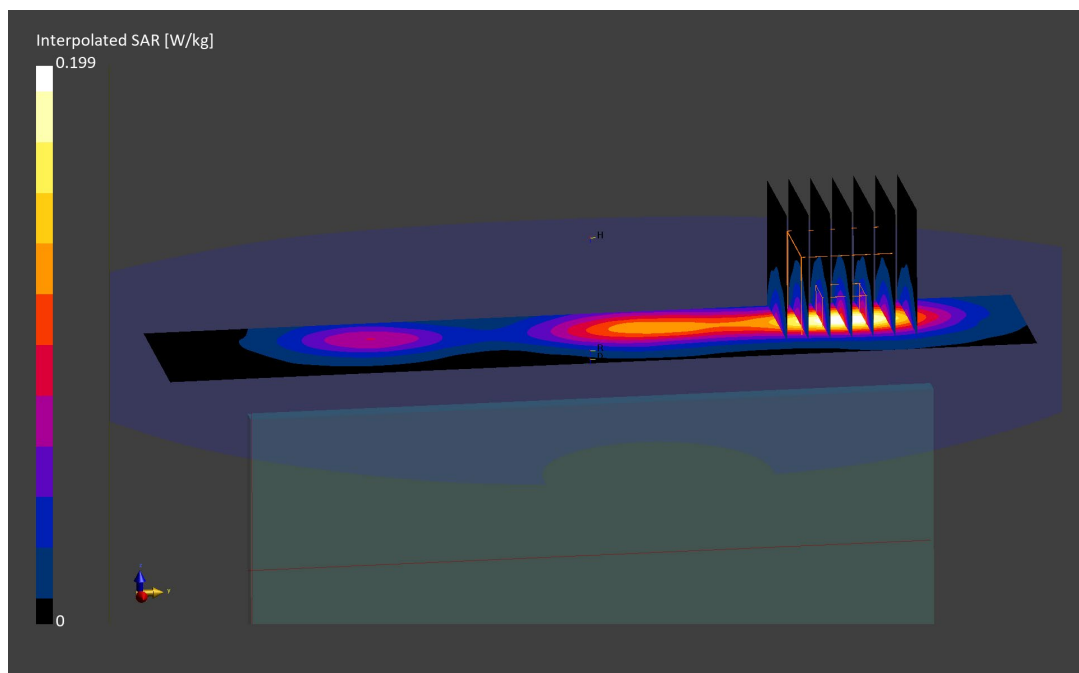
Reference Value = 0.12 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.092 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 = 77.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2649M

Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1909.8$ MHz; $\text{cond} = 1.58$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/19/2022; Ambient Temp: 20.3°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn665; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 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 (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.9$ mm, $dy=4.9$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

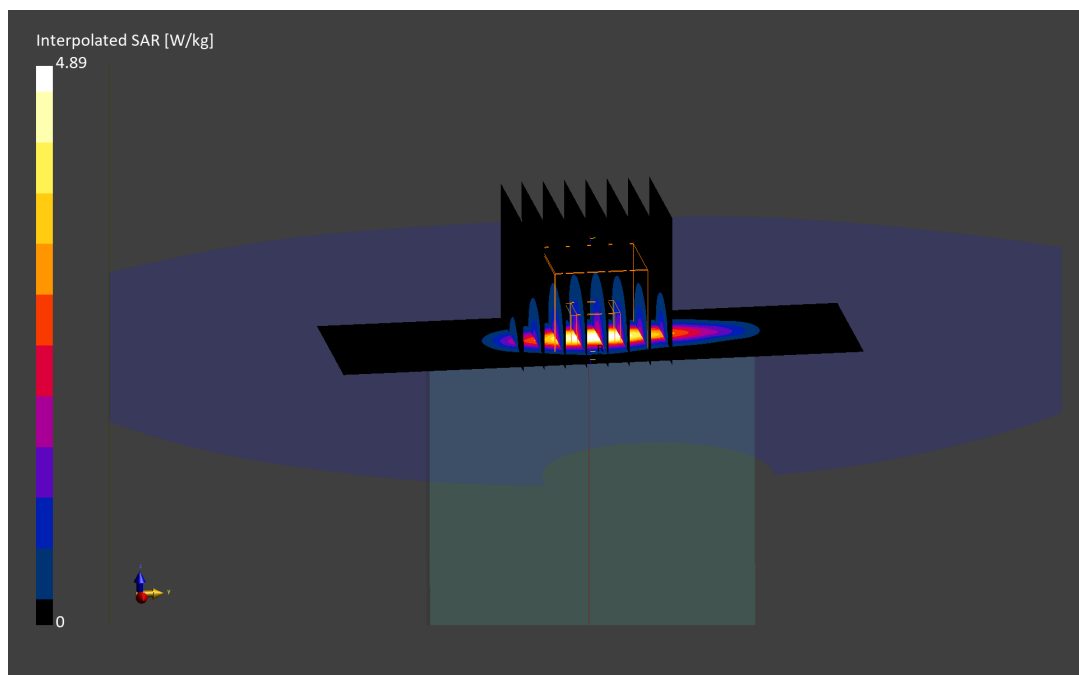
Reference Value = 2.08 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.89 W/kg

SAR(10 g) = 0.841 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 = 76.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2649M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1752.6 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1752.6$ MHz; $\text{cond} = 1.54$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/26/2022; Ambient Temp: 22.7°C; Tissue Temp: 18.9°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: UMTS 1750, Phablet SAR. Bottom Edge, High Ch.

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=15.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.7$ mm, $dy=4.7$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

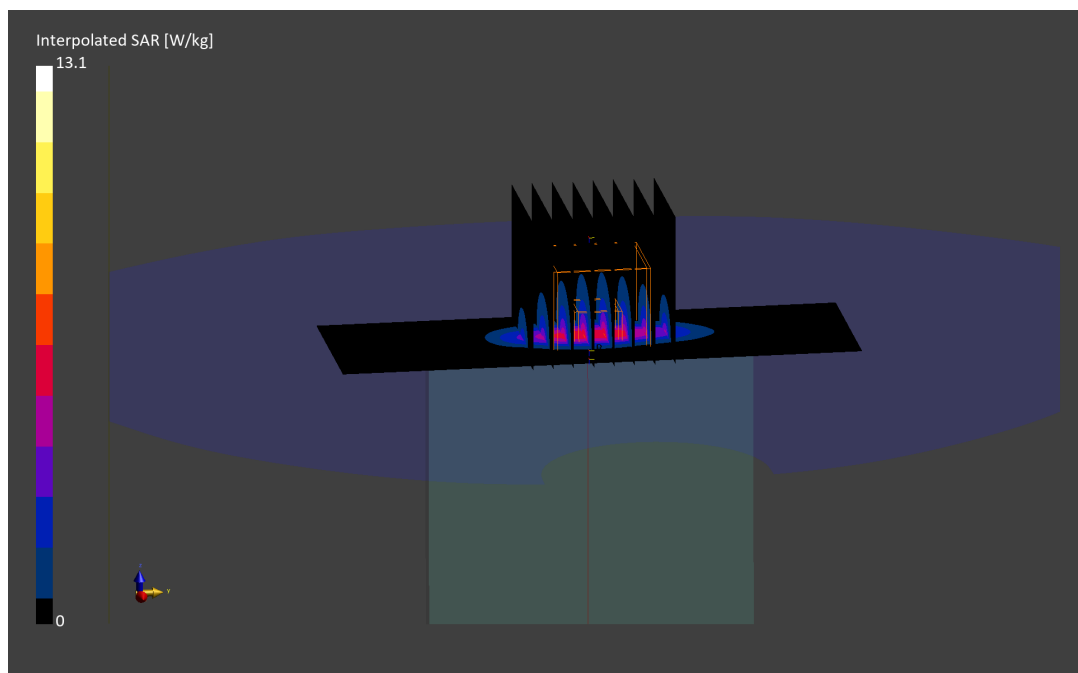
Reference Value = 5.84 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(10 g) = 2.17 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 = 74.6 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10011 - CAC, WCDMA; MAIA: Y; Frequency: 1907.6 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1907.6$ MHz; $\text{cond} = 1.51$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn1558; Calibrated: 2022-01-14

Phantom: Twin-SAM V8.0; Serial: 20063

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Phablet SAR, Bottom Edge, High Ch.

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=15.0$ mm

Zoom Scan (32.0 x 32.0 x 30.0): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

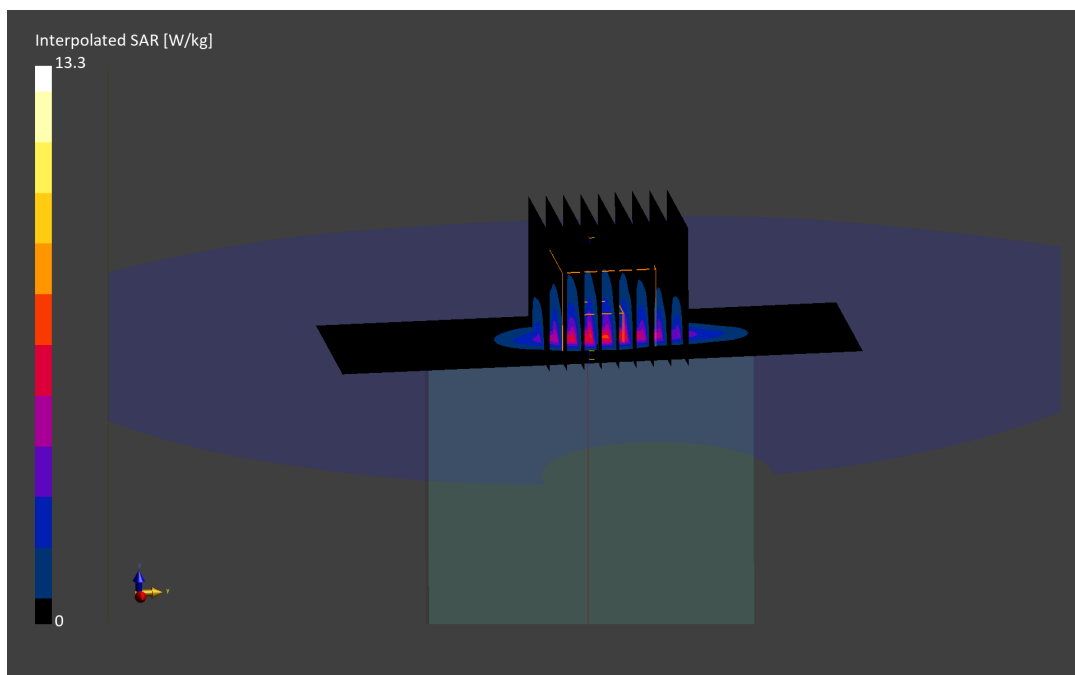
Reference Value = 5.53 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(10 g) = 2.25 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 = 75.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2683M

Communication System: UID:10154 - CAG, LTE-FDD; MAIA: Y; Frequency: 1715.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1715.0$ MHz; $\text{cond} = 1.48$ S/m; $\text{perm} = 52.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/19/2022; Ambient Temp: 22.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7571; ConvF:(8.0,8.0,8.0); Calibrated: 2021-12-10

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

Electronics: DAE4 Sn859; Calibrated: 2021-12-08

Phantom: Twin-SAM V5.0; Serial: 1646

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66 (AWS), Antenna A, Phablet SAR, Bottom Edge,
Low Ch., 10 MHz Bandwidth, QPSK, 25 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

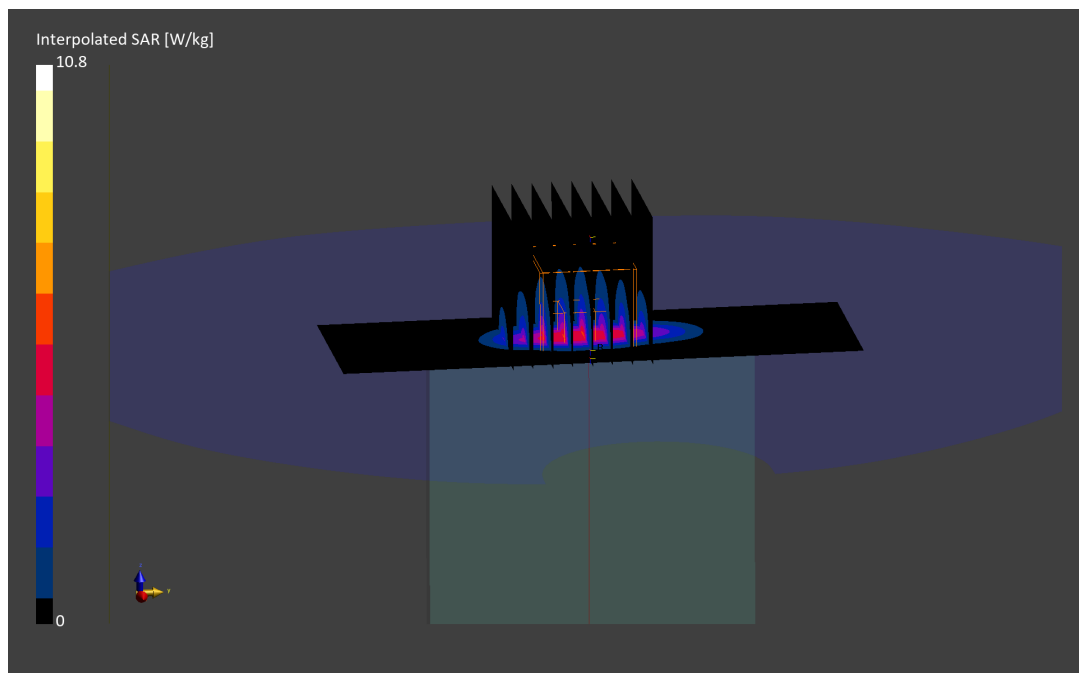
Reference Value = 5.70 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(10 g) = 1.90 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 = 75.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0585M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.52 S/m; perm = 51.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/21/2022; Ambient Temp: 24.1°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn665; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 25, Antenna A, Phablet 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=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.3 mm, dy=5.3 mm, dz=1.5 mm; Graded Ratio: 1.5

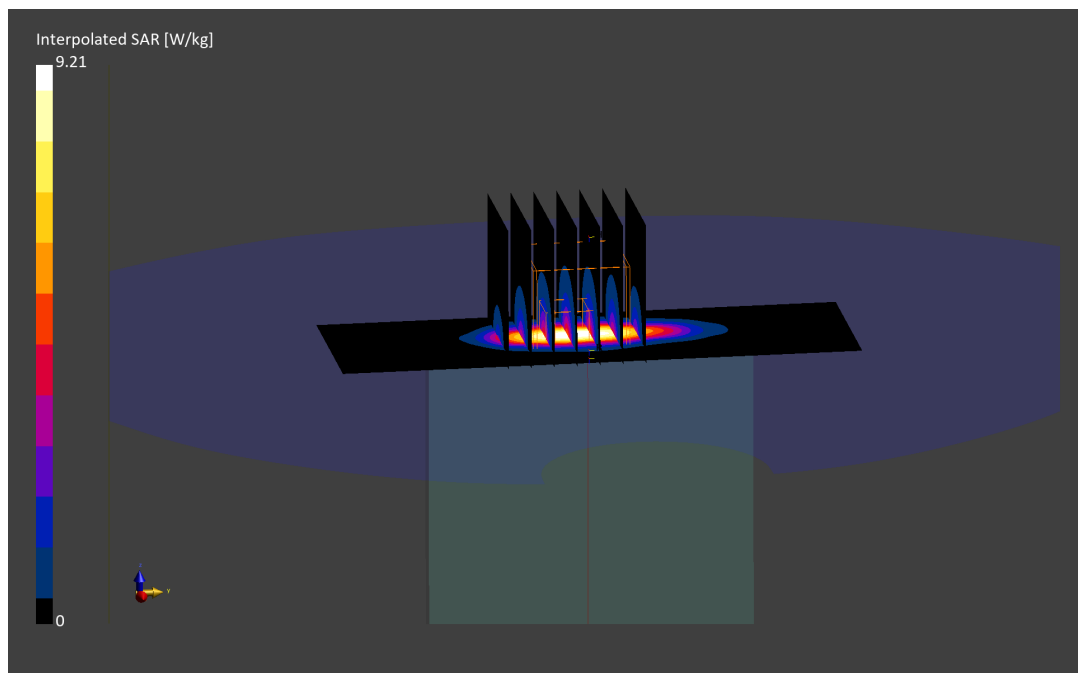
Reference Value = 4.05 W/kg; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 9.21 W/kg

SAR(10 g) = 1.70 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 = 78.1 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2628M

Communication System: UID:10154 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.84$ S/m; $\text{perm} = 51.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/03/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.4$ mm, $dy=3.4$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

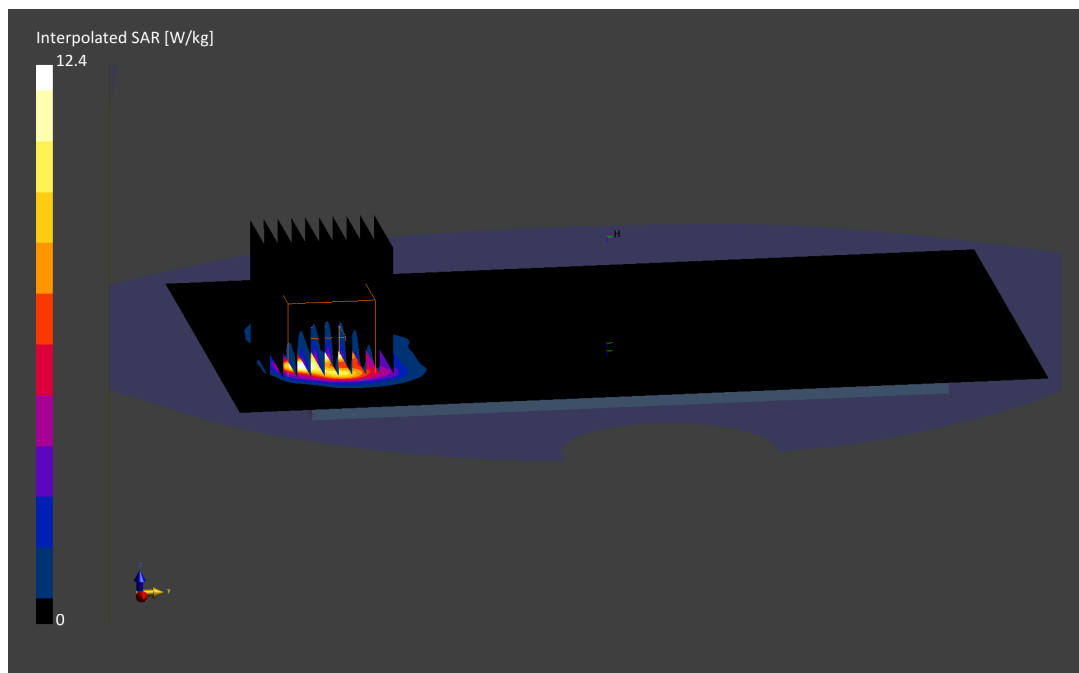
Reference Value = 3.80 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(10 g) = 1.14 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 = 68.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2628M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2510.0$ MHz; $\text{cond} = 2.02$ S/m; $\text{perm} = 52.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/10/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(8.81,8.81,8.81); Calibrated: 2022-04-20

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

Electronics: DAE4 Sn1407; Calibrated: 2022-04-13

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 7, Antenna B, Phablet SAR, Left Edge, Low Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

Area Scan (40.0 x 200.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 30.0): Measurement grid: $dx=3.2$ mm, $dy=3.2$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

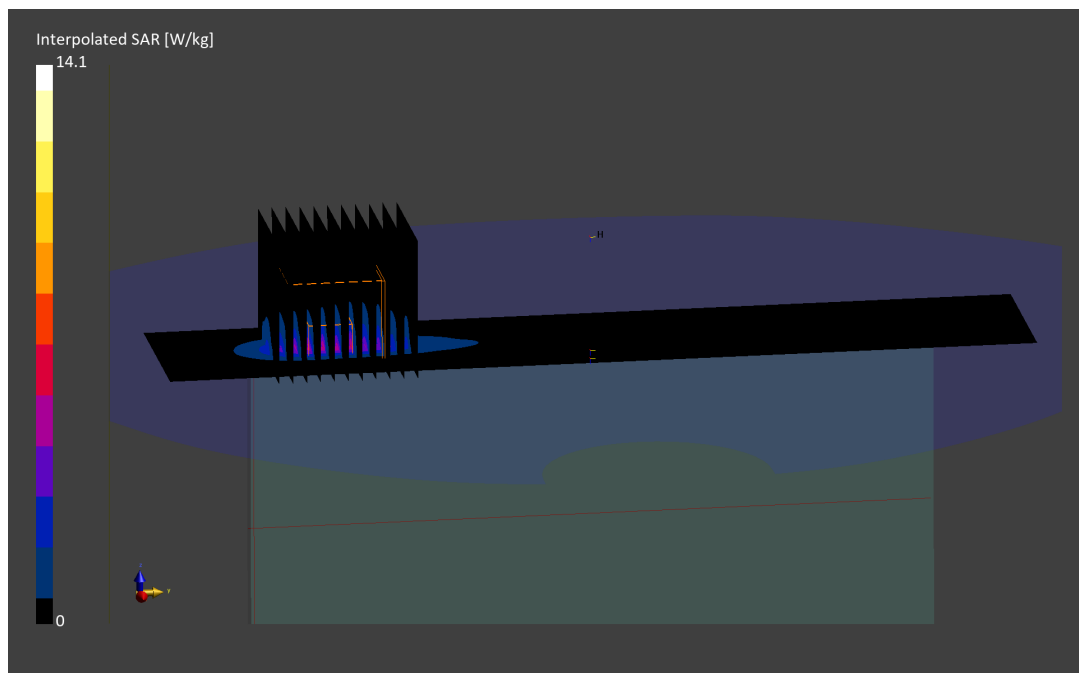
Reference Value = 3.62 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 14.1 W/kg

SAR(10 g) = 1.43 W/kg

Smallest distance from peaks to all points 3 dB below is 4.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.0 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2658M

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2680.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2680.0 MHz; cond = 2.32 S/m; perm = 50.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/24/2022; Ambient Temp: 21.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7668; ConvF:(7.25,7.25,7.25); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: LTE Band 41, ULCA 41C, Antenna B, Phablet SAR, Left Edge,

PCC: Ch. 41490, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

SCC: Ch. 41292, 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

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=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

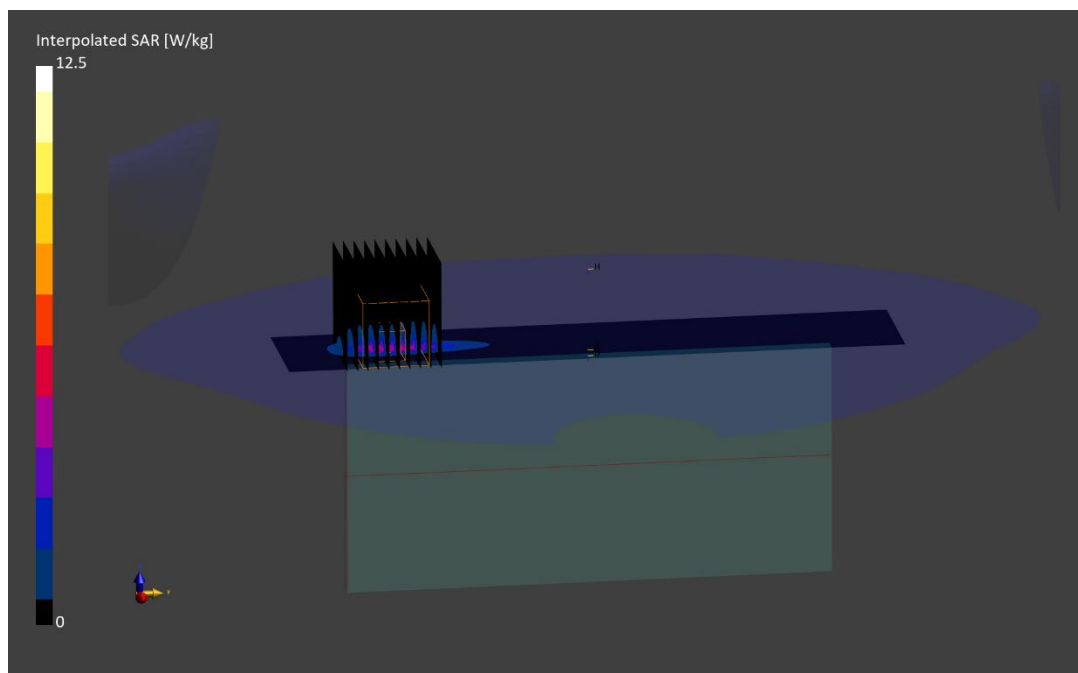
Reference Value = 4.88 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(10 g) = 1.14 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 = 64.6 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2625M

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1745.0$ MHz; $\text{cond} = 1.52$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/24/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.5°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: 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 (30.0 x 30.0 x 30.0): Measurement grid: $dx=5.5$ mm, $dy=5.5$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

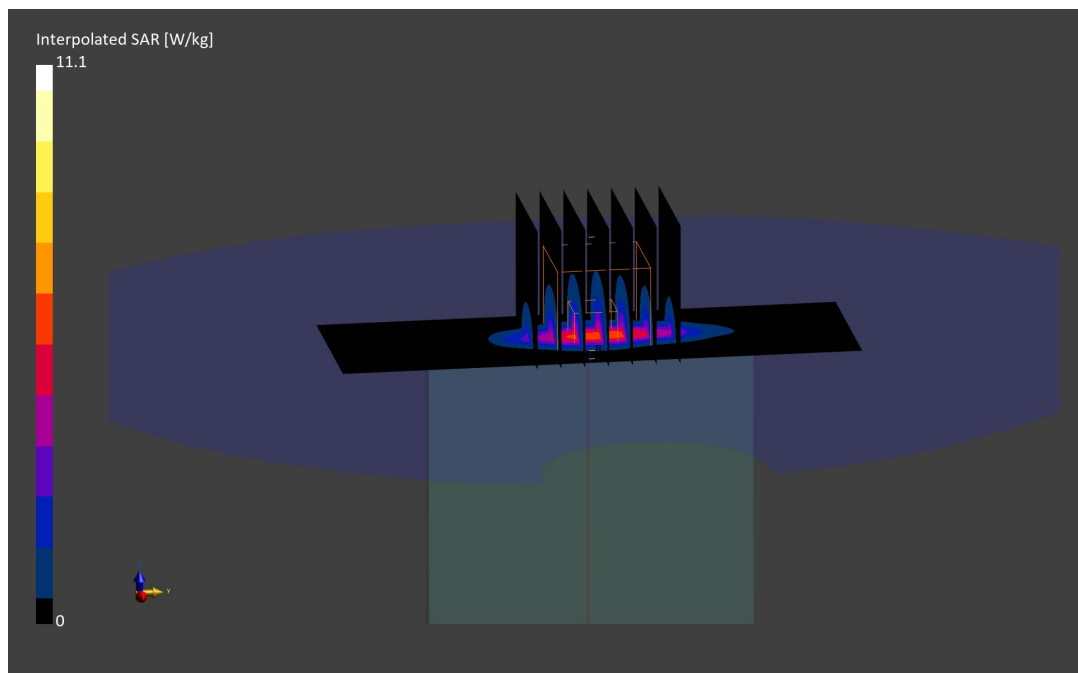
Reference Value = 4.37 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR (10 g) = 1.92 W/kg

Smallest distance from peaks to all points 3 dB below is 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 75.3 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0377M

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1882.5$ MHz; $\text{cond} = 1.51$ S/m; $\text{perm} = 51.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/28/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.4°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: NR Band n25, Antenna A, Phablet SAR, Bottom Edge, Ch. 376500,
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 (32.0 x 32.0 x 30.0): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

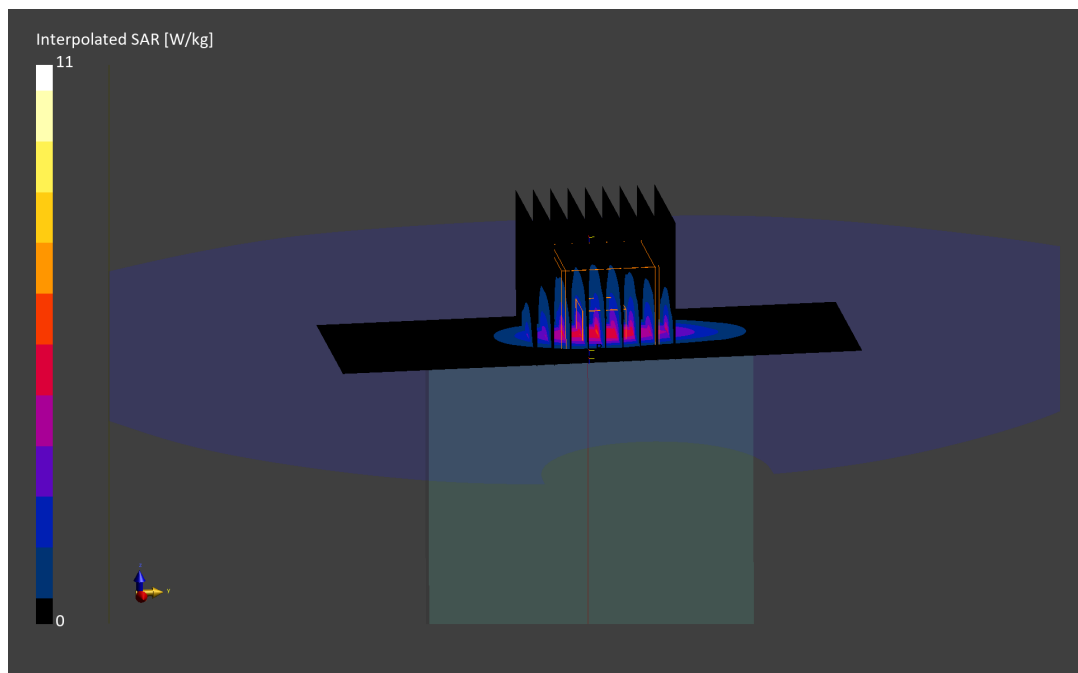
Reference Value = 4.69 W/kg; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(10 g) = 1.94 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 75.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0377M

Communication System: UID:10768 - AAD, CW; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.85$ S/m; $\text{perm} = 51.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/05/2022; Ambient Temp: 22.3°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.6$ mm, $dy=3.6$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

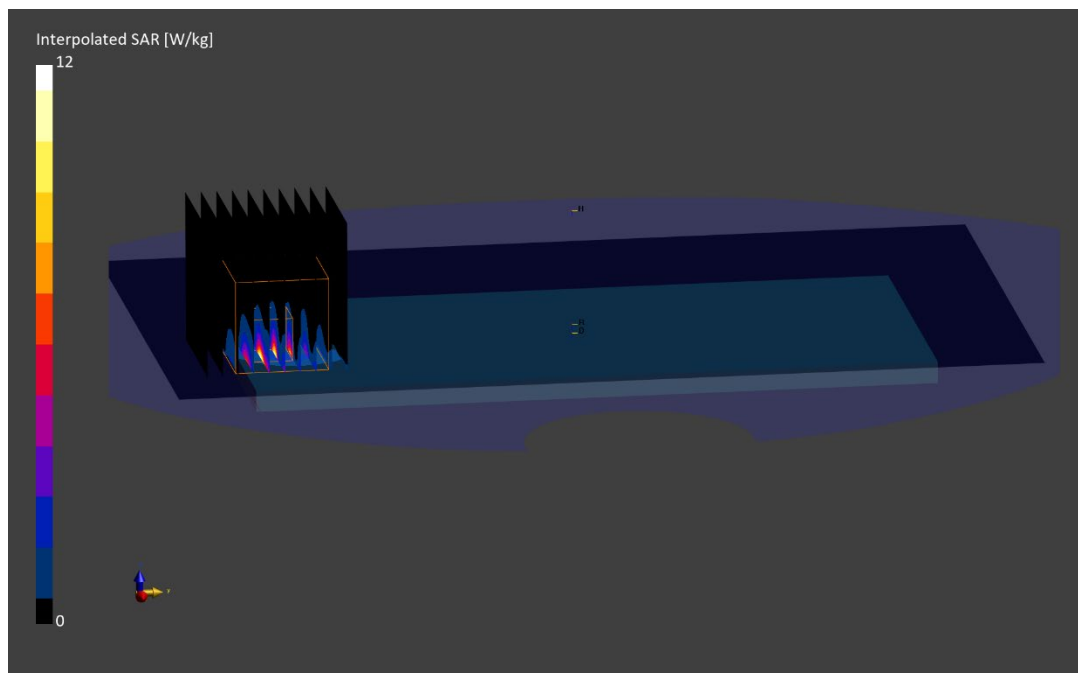
Reference Value = 2.89 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(10 g) = 1.13 W/kg

Smallest distance from peaks to all points 3 dB below is 3.9 mm

Ratio of SAR at M2 to SAR at M1 = 66.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 0377M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2535.0$ MHz; $\text{cond} = 2.04$ S/m; $\text{perm} = 52.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/10/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20

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

Electronics: DAE4 Sn1407; Calibrated: 2022-04-13

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 200.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.5$ mm, $dy=3.5$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

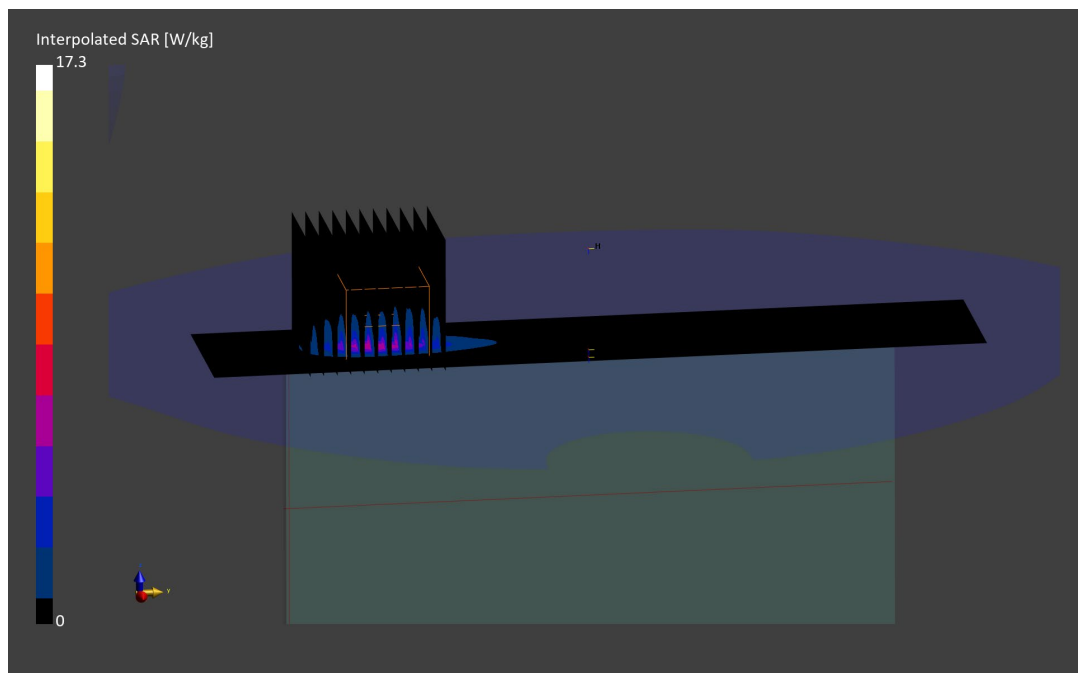
Reference Value = 0.38 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 17.3 W/kg

SAR(10 g) = 1.71 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 = 67.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2645M

Communication System: UID 0, NR Band n41 Full DC; Frequency: 2592.99 MHz; Duty Cycle: 1:1
 Medium: 2450 Body; Medium parameters used (interpolated):
 $f = 2592.99 \text{ MHz}$; $\sigma = 2.079 \text{ S/m}$; $\epsilon_r = 50.14$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 0.0 cm

Test Date: 10/27/2022; Ambient Temp: 19.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7402; ConvF(7.88, 7.88, 7.88) @ 2592.99 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: NR Band n41, Antenna B, Path 2, Phablet SAR, Back Side,
 100 MHz Bandwidth, CP-OFDM QPSK, Ch. 518598, 1 RB, 1 RB Offset**

Area Scan (11x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

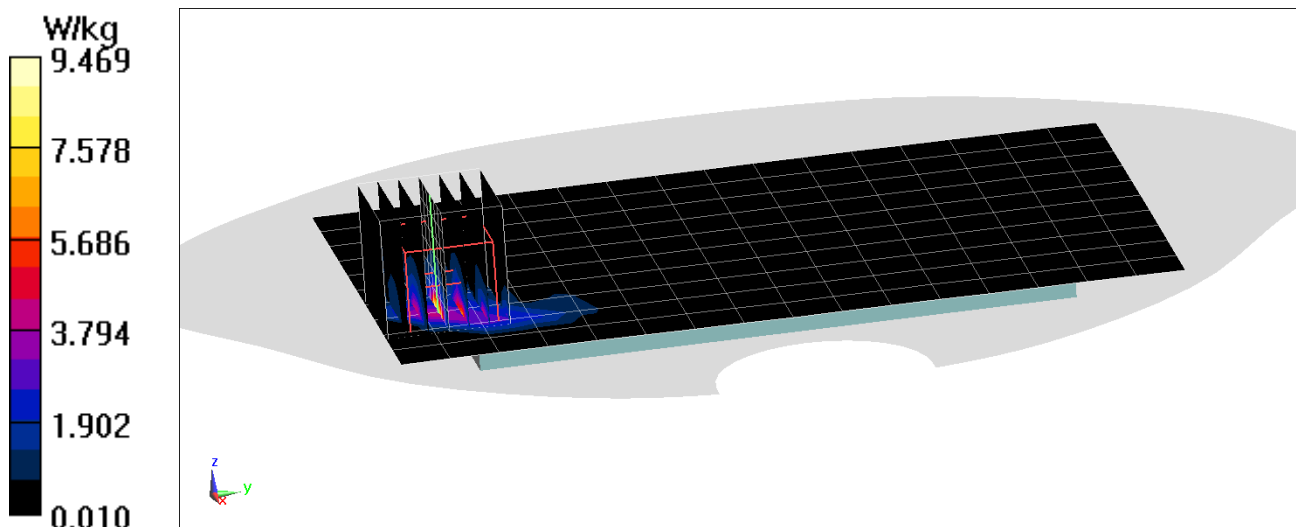
Reference Value = 52.15 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 12.9 W/kg

SAR(10 g) = 1.5 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 39%



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2616M

Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3500.0$ MHz; $\text{cond} = 3.16$ S/m; $\text{perm} = 49.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

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

Probe: EX3DV4 - SN7427; ConvF:(5.87,5.87,5.87); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n77 DoD, Antenna F, Phablet SAR, Top Edge, Ch. 633334,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 0 RB Offset**

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=3.8$ mm, $dy=3.8$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

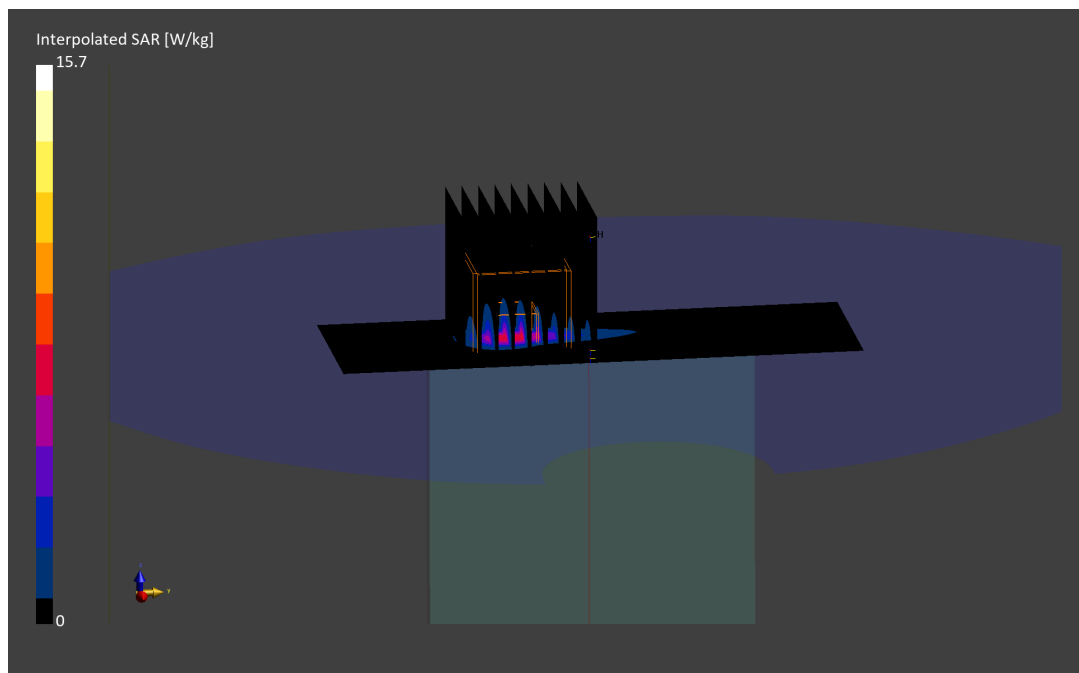
Reference Value = 5.04 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(10 g) = 1.44 W/kg

Smallest distance from peaks to all points 3 dB below is 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 75.4 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2616M

Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3750.0$ MHz; $\text{cond} = 3.47$ S/m; $\text{perm} = 48.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

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

Probe: EX3DV4 - SN7427; ConvF:(5.83,5.83,5.83); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=3.8$ mm, $dy=3.8$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

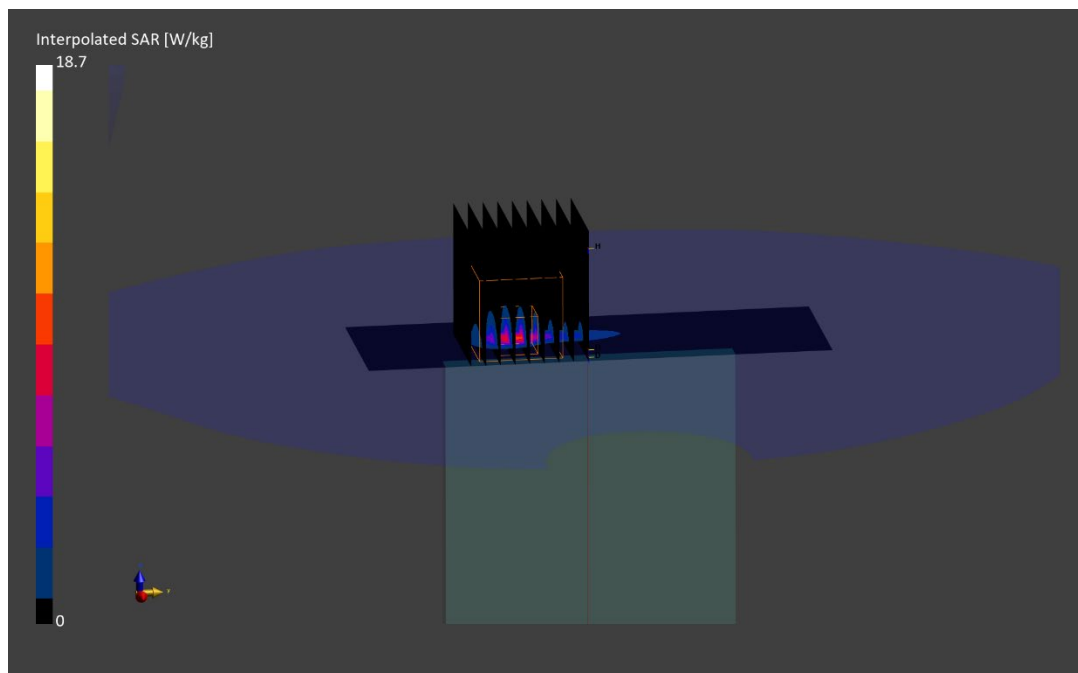
Reference Value = 6.12 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(10 g) = 1.59 W/kg

Smallest distance from peaks to all points 3 dB below is 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 75.5 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 1676M

Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 5885.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5885.0 MHz; cond = 6.20 S/m; perm = 48.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/30/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.2°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. 177,
Phablet SAR, Left Edge, 13 Mbps**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (26.0 x 26.0 x 22.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.4 mm; Graded Ratio: 1.4

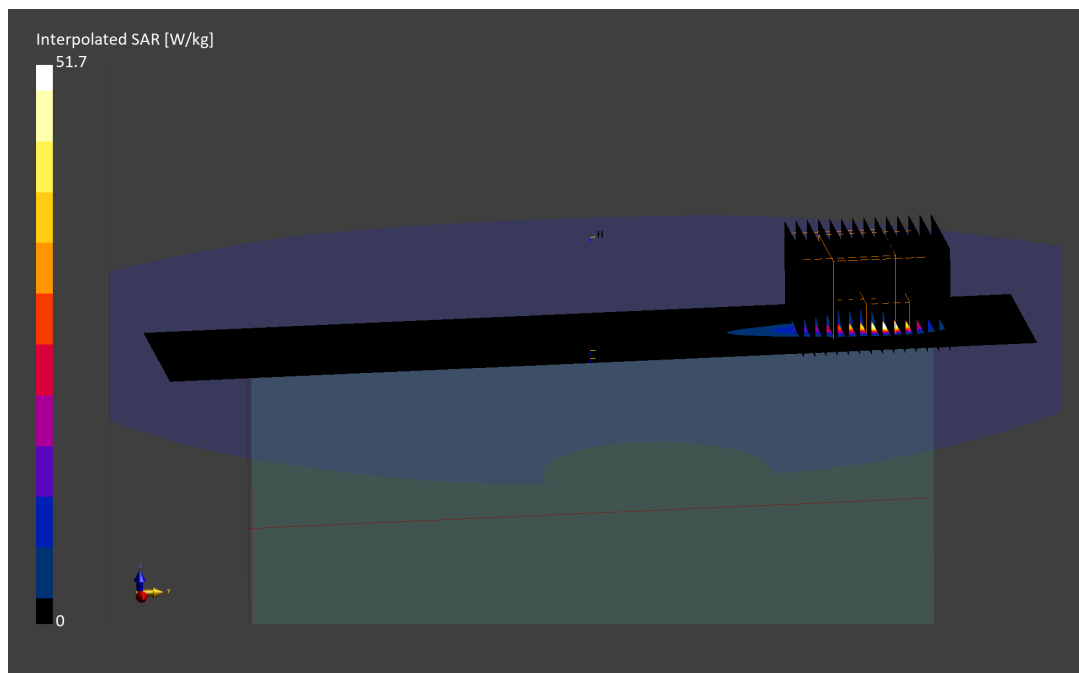
Reference Value = 0.16 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 51.7 W/kg

SAR(10 g) = 1.73 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 = 53.9 %



ELEMENT

DUT: A3LSMS916U; Type: Portable Handset; Serial: 2013M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz

Medium: 30 Head; Medium parameters used:

$f = 13.6$ MHz; $\text{cond} = 0.745$ S/m; $\text{perm} = 53.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

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

Probe: EX3DV4 - SN7527; ConvF:(17.78,17.78,17.78); Calibrated: 2022-03-21

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

Electronics: DAE4 Sn1272; Calibrated: 2022-03-16

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NFC, Phablet SAR, Back Side

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.8$ mm, $dy=3.8$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Reference Value = 0.07 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(10 g) = 0.026 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 = 59.2 %

