

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

Communication System: UID 0, GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

$f = 848.8 \text{ MHz}$; $\sigma = 0.933 \text{ S/m}$; $\epsilon_r = 43.096$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/25/2022; Ambient Temp: 20.0°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 848.8 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937

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

Mode: GSM 850, Right Head, Cheek, High.ch

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

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

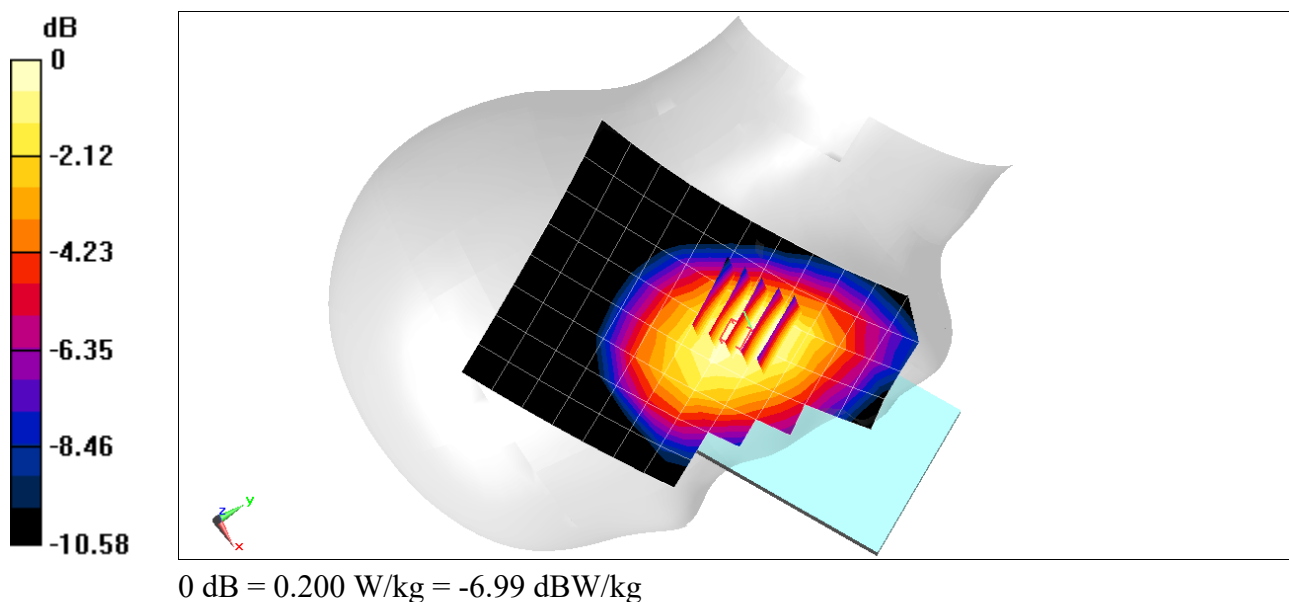
Reference Value = 13.68 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.171 W/kg

Smallest distance from peaks to all points 3 dB below = 21.3 mm

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0932M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Head; Medium parameters used:

$f = 1880.0$ MHz; $\text{cond} = 1.37$ S/m; $\text{perm} = 38.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 04/14/2022; Ambient Temp: 24.5°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7538; ConvF:(8.3,8.3,8.3); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: GSM 1900, Right Head, Cheek, Mid Ch.

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

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

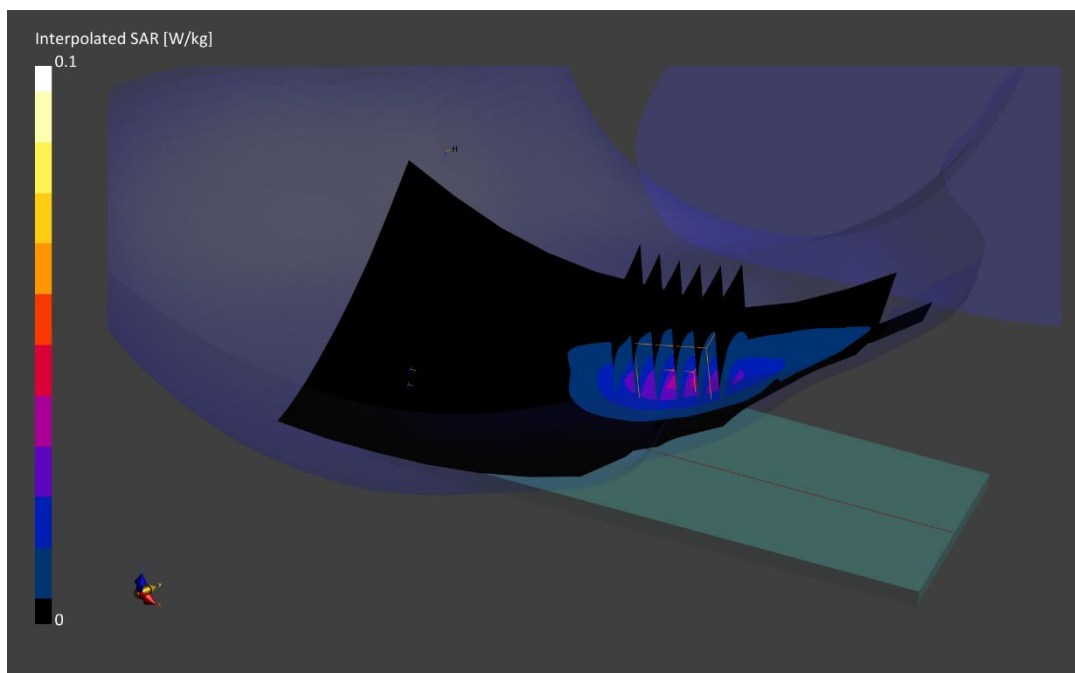
Reference Value = 0.03 W/kg; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.029 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 = 83.9 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

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

$f = 846.6 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 43.101$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/25/2022; Ambient Temp: 20.0°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 846.6 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937

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

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

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

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

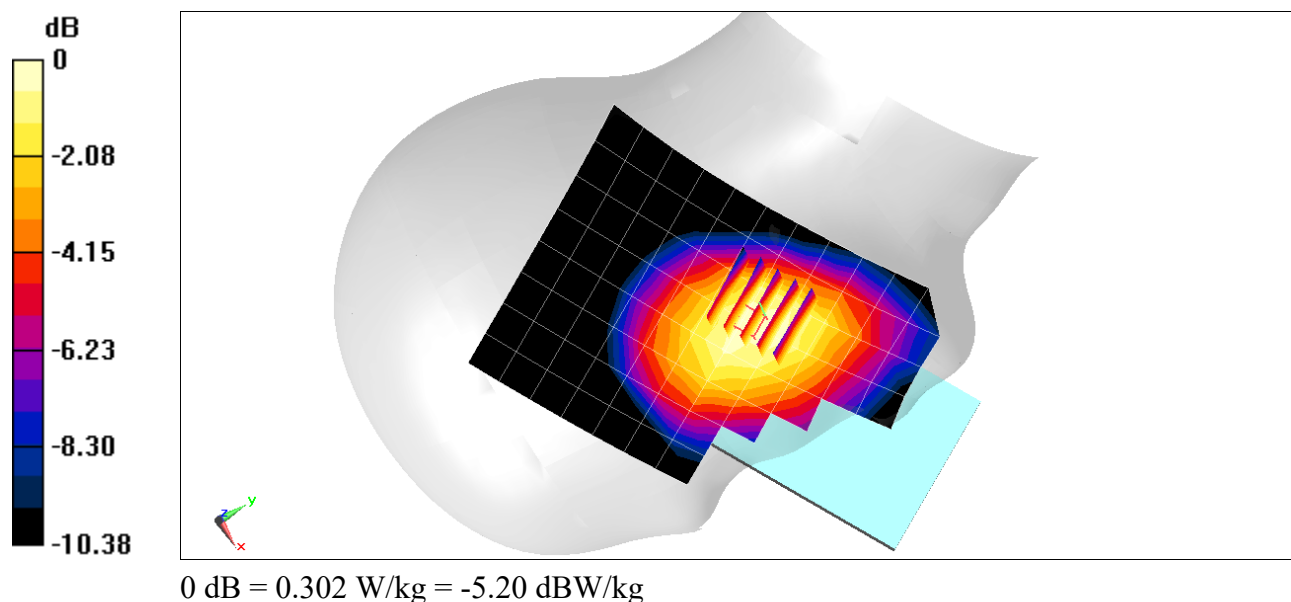
Reference Value = 16.91 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.259 W/kg

Smallest distance from peaks to all points 3 dB below = 19.1 mm

Ratio of SAR at M2 to SAR at M1 = 77.5%



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0932M

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1712.4 MHz

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.29 S/m; perm = 38.9; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/20/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3914; ConvF:(8.27,8.27,8.27); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: UMTS 1750, 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

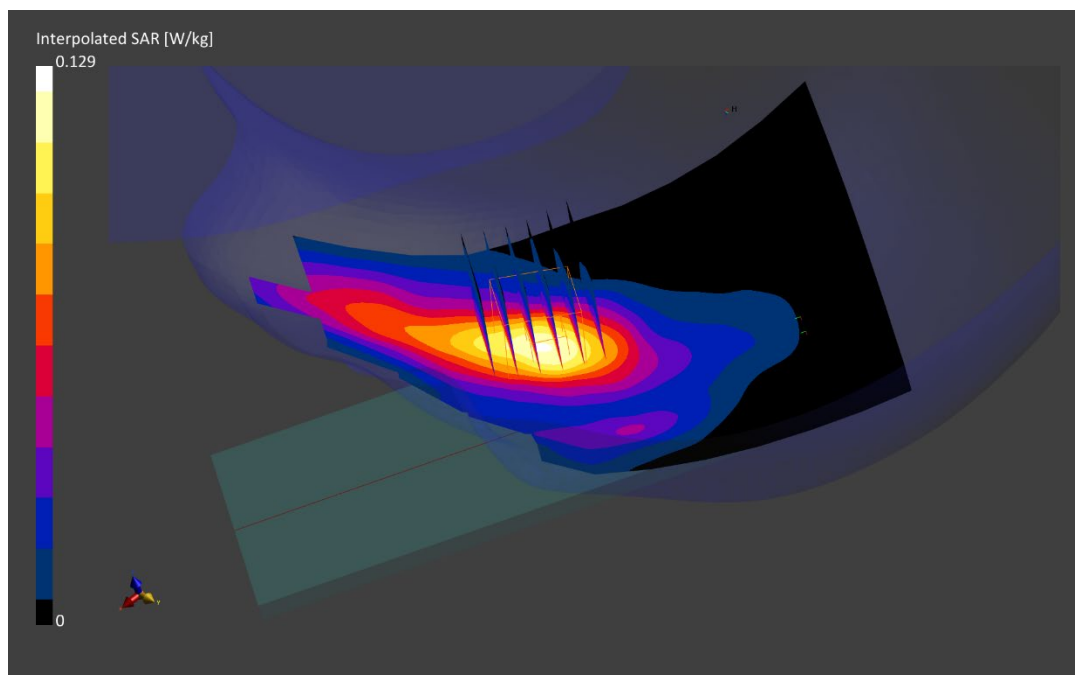
Reference Value = 0.08 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below is 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 88.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0661M

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1907.6 MHz

Medium: 1900 Head; Medium parameters used:

$f = 1907.6$ MHz; $\text{cond} = 1.44$ S/m; $\text{perm} = 39.5$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/31/2022; Ambient Temp: 23.0°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7527; ConvF:(7.77,7.77,7.77); 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 V16.0.2.136

Mode: UMTS 1900, Left Head, Cheek, High Ch.

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

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

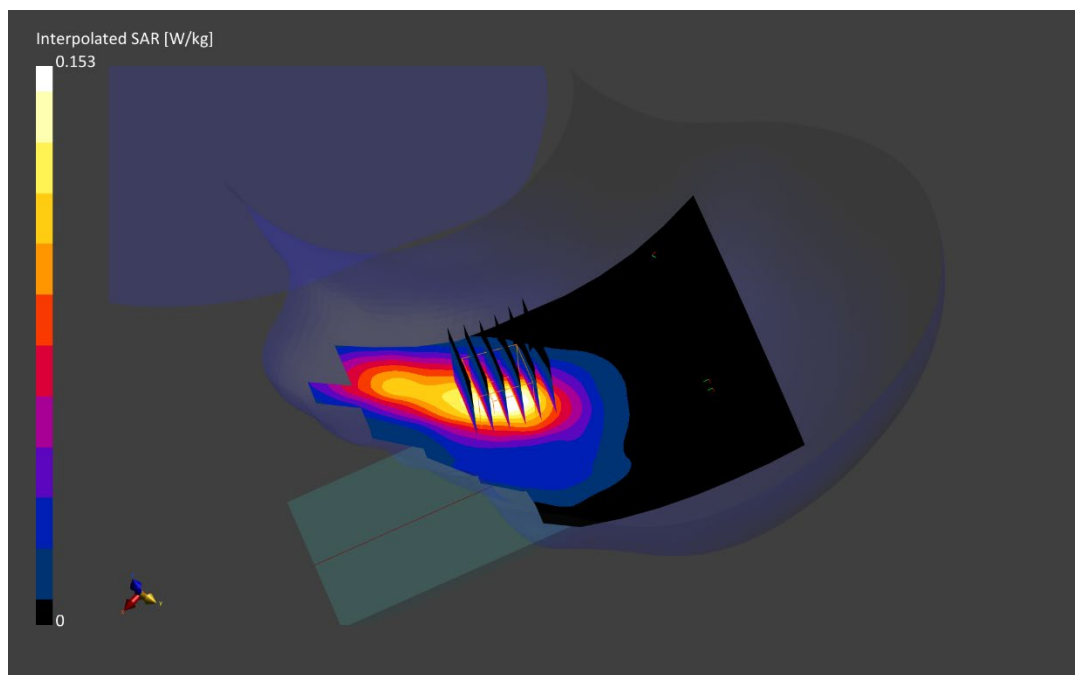
Reference Value = 0.11 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.094 W/kg

Smallest distance from peaks to all points 3 dB below is 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 85.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

Communication System: UID 0, LTE Band 71; Frequency: 680.5 MHz; Duty Cycle: 1:1

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

$f = 680.5 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 44.037$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/21/2022; Ambient Temp: 21.3°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7637; ConvF(10.45, 10.45, 10.45) @ 680.5 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937

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

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

Area Scan (9x16x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

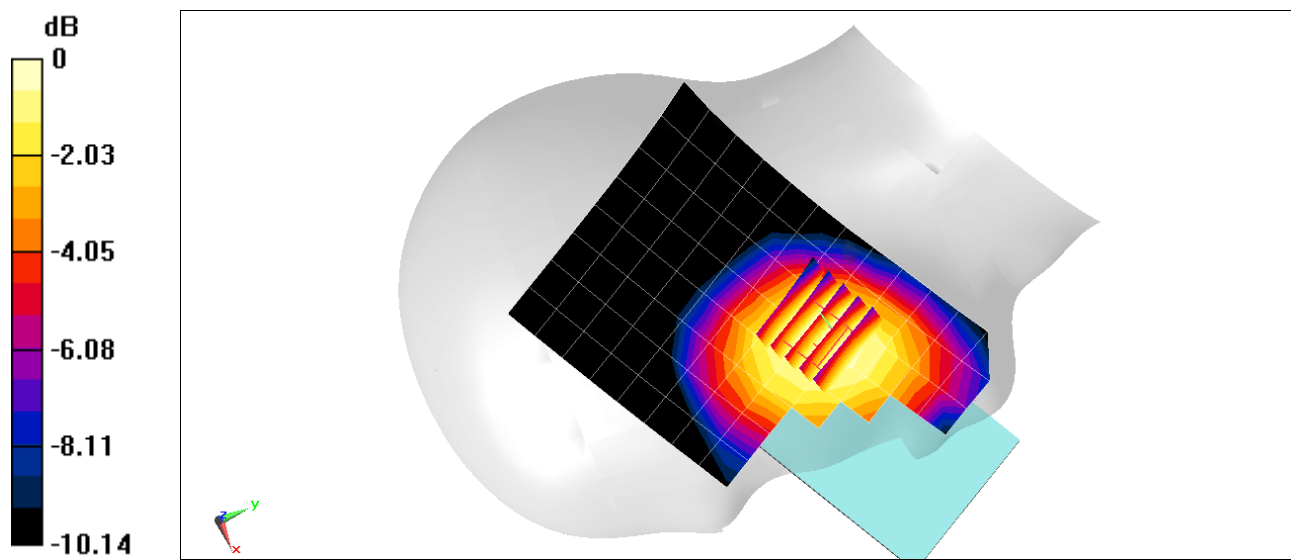
Reference Value = 14.59 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.165 W/kg;

Smallest distance from peaks to all points 3 dB below = 23.6 mm

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



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

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

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

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

$f = 707.5 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 43.969$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/21/2022; Ambient Temp: 21.3°C; Tissue Temp: 21.0°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 (30); Type: QD 000 P41 AA; 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, 0 RB Offset

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

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

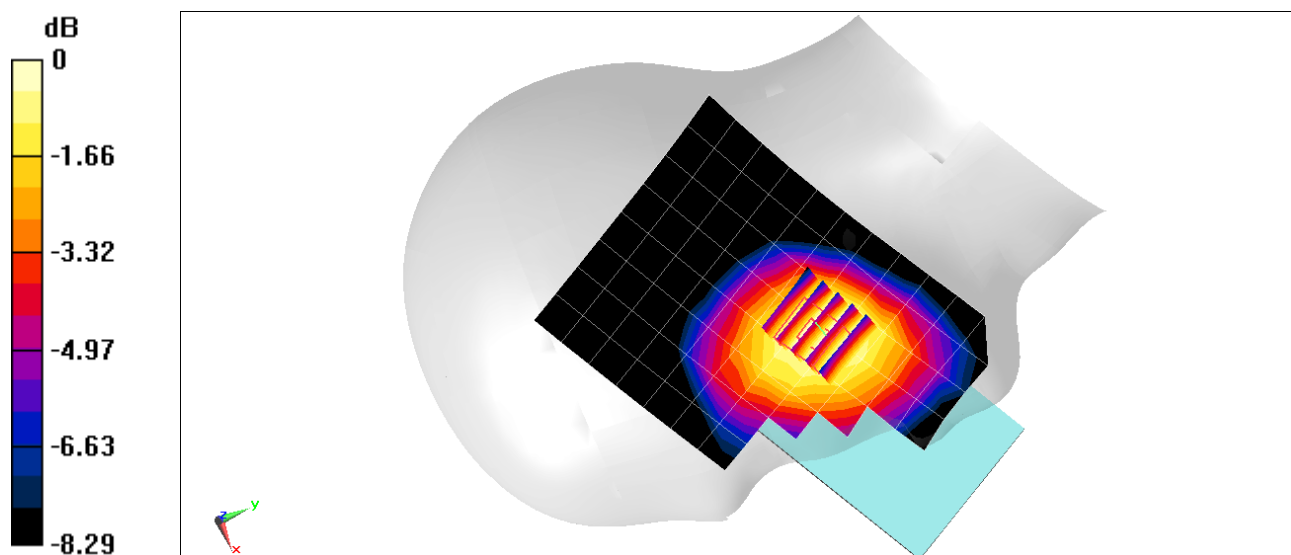
Reference Value = 14.24 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.171 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 = 83.2%



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

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

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

$f = 782 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 42.861$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/27/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7637; ConvF(10.45, 10.45, 10.45) @ 782 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937

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

**Mode: LTE Band 13, Right Head, Cheek, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

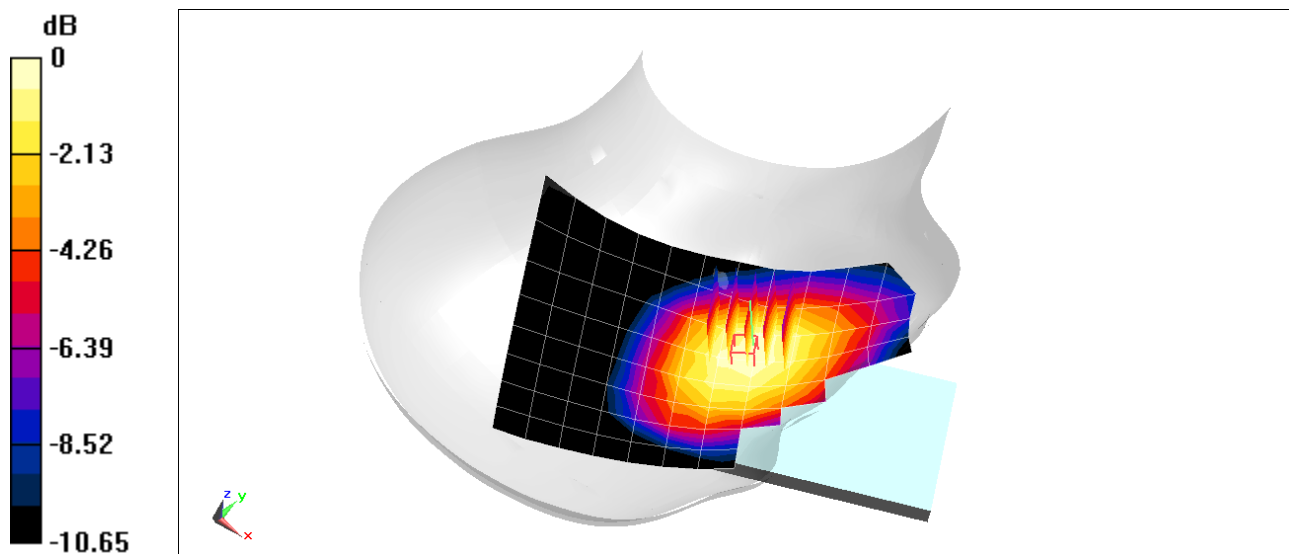
Reference Value = 14.31 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.170 W/kg

Smallest distance from peaks to all points 3 dB below = 21.6 mm

Ratio of SAR at M2 to SAR at M1 = 77.4%



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

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

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

$f = 793 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 41.724$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/29/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.9°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 (30); Type: QD 000 P41 AA; 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, 0 RB Offset**

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

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

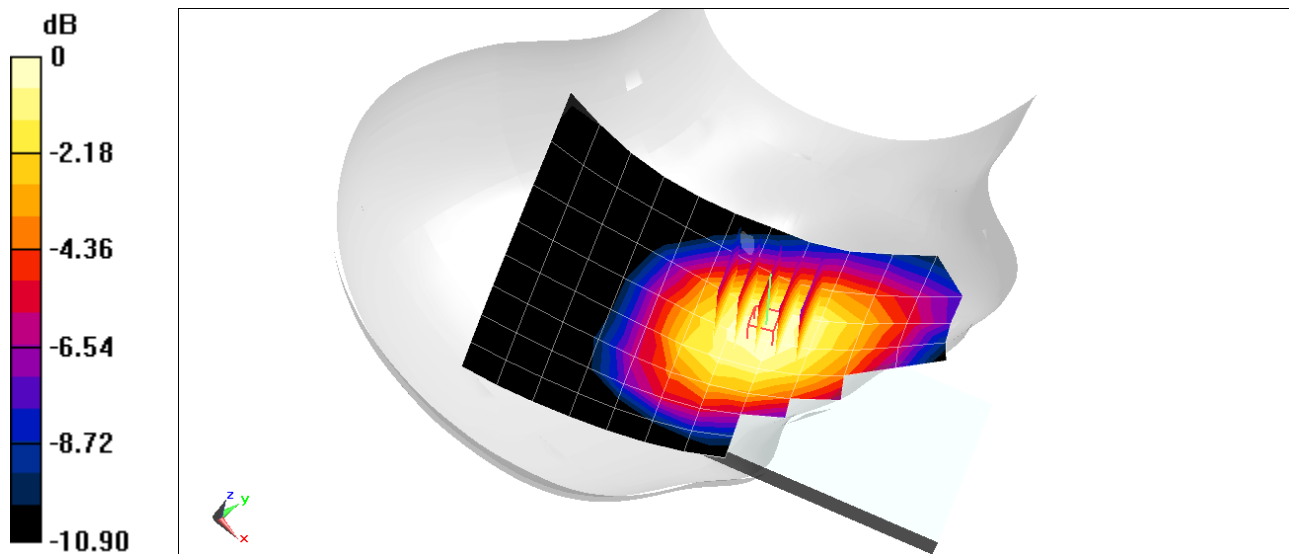
Reference Value = 15.51 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.207 W/kg

Smallest distance from peaks to all points 3 dB below = 22.8 mm

Ratio of SAR at M2 to SAR at M1 = 78.9%



0 dB = 0.244 W/kg = -6.13 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

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

$f = 831.5 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 43.141$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/25/2022; Ambient Temp: 20.0°C; Tissue Temp: 19.9°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 (30); Type: QD 000 P41 AA; 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=15mm, dy=15mm

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

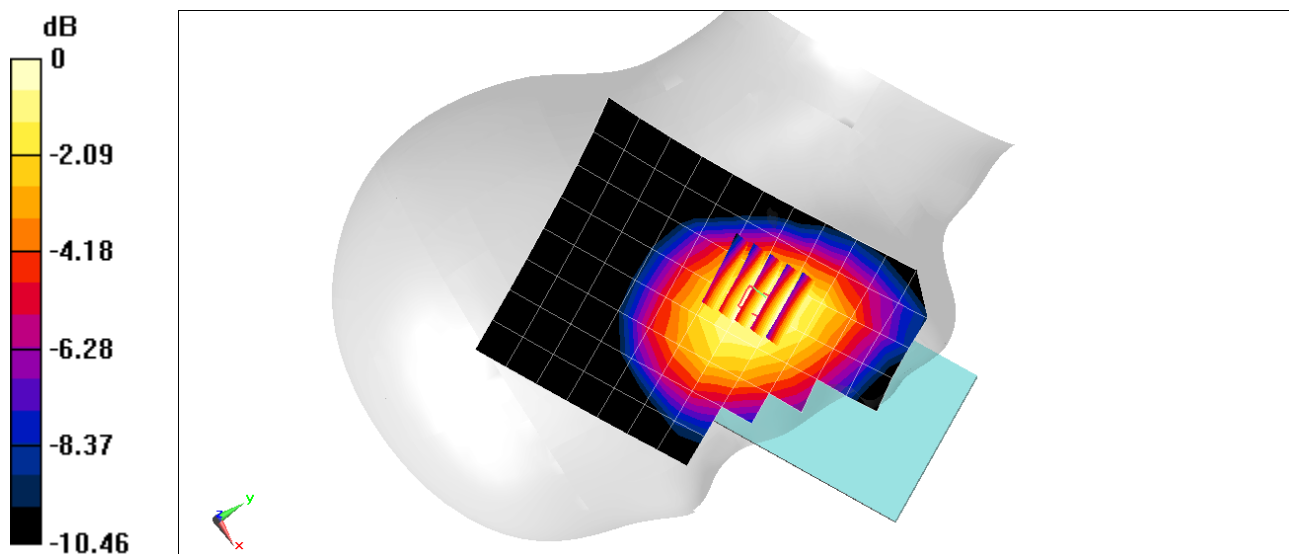
Reference Value = 15.70 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.210 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 77.8%



0 dB = 0.249 W/kg = -6.04 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 1014M

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

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

$f = 836.5$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 42.464$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Test Date: 05/02/2022; Ambient Temp: 20.2°C; Tissue Temp: 20.9°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 (30); Type: QD 000 P41 AA; Serial: 1937

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

Mode: LTE Band 5 (Cell.) ULCA, Right Head, Cheek

PCC: 10 MHz Bandwidth, QPSK, ch. 20525, 1 RB, 0 RB Offset

SCC: 5 MHz Bandwidth, QPSK, ch. 20453, 1 RB, 24 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

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

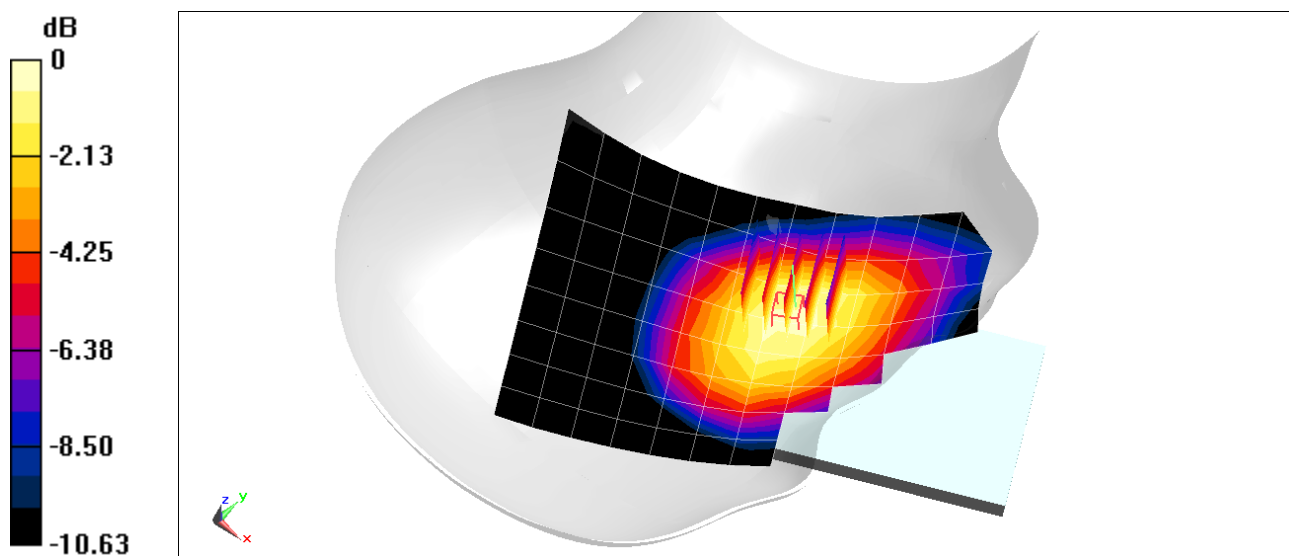
Reference Value = 16.50 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.237 W/kg

Smallest distance from peaks to all points 3 dB below = 21.1 mm

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



0 dB = 0.284 W/kg = -5.47 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0424M

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

Medium: 1750 Head; Medium parameters used:

f = 1770.0 MHz; cond = 1.35 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/28/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7670; ConvF:(8.53,8.53,8.53); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 66 (AWS), Right Head, Cheek, High Ch.
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

Zoom Scan (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

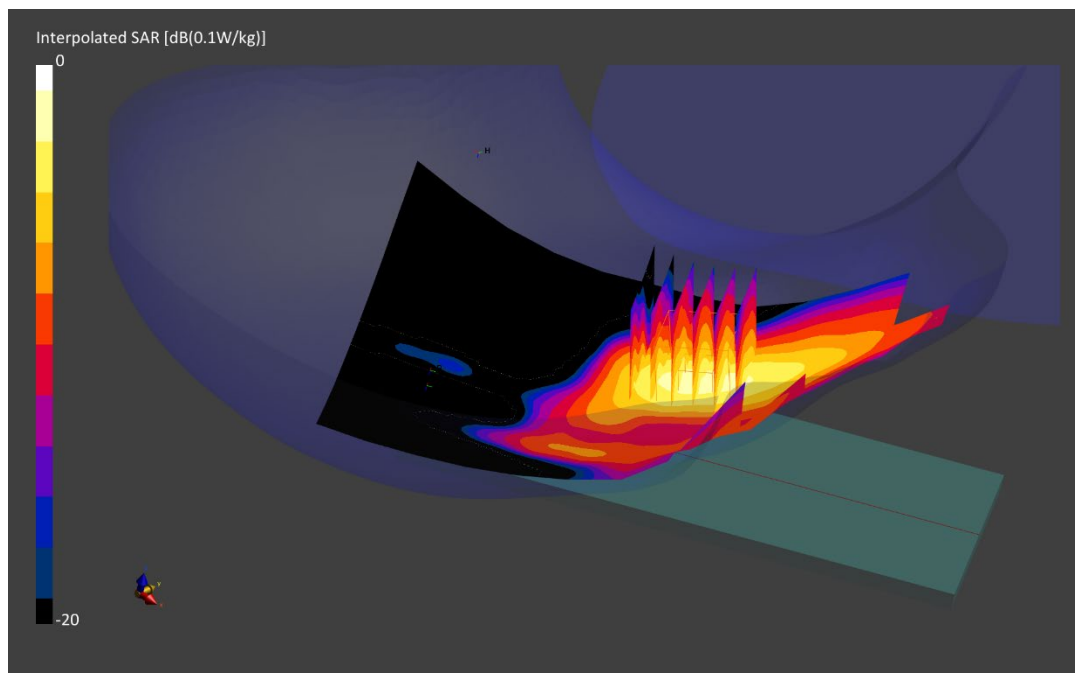
Reference Value = 0.05 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.047 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 88.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0661M

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

Medium: 1900 Head; Medium parameters used:

f = 1860.0 MHz; cond = 1.39 S/m; perm = 39.7; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/31/2022; Ambient Temp: 23.0°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7527; ConvF:(7.77,7.77,7.77); 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 V16.0.2.136

Mode: LTE Band 25, Left Head, Cheek, Low 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

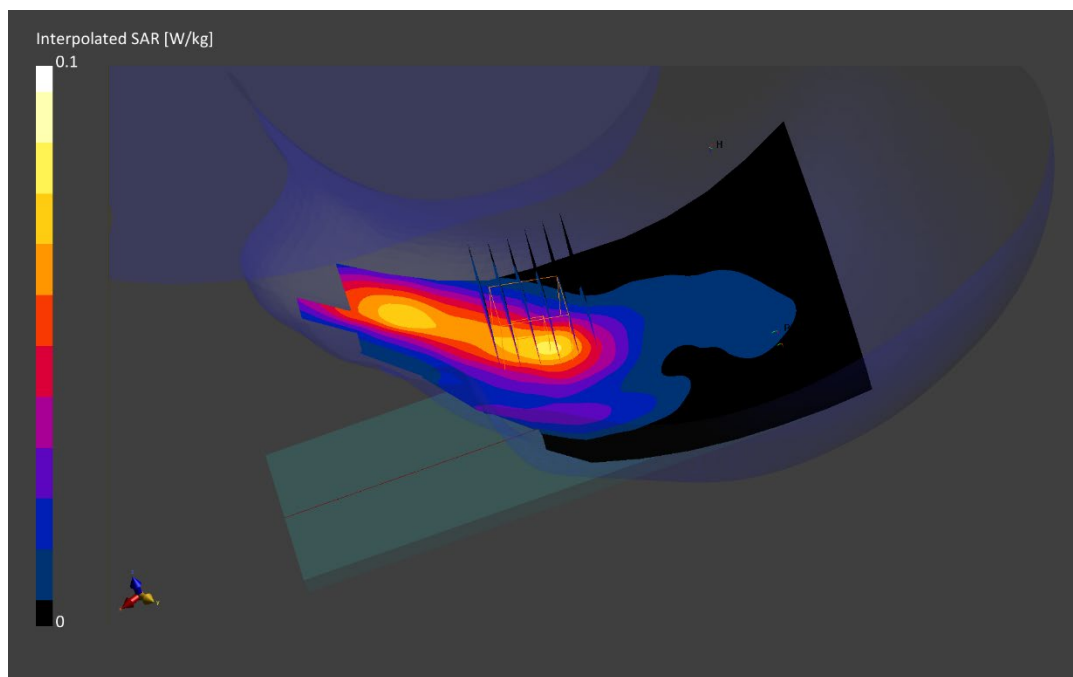
Reference Value = 0.07 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.096 W/kg

SAR(1 g) = 0.062 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 86.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0661M

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

Medium: 2450 Head; Medium parameters used:

f = 2310.0 MHz; cond = 1.71 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/25/2022; Ambient Temp: 23.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(7.82,7.82,7.82); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1583; Calibrated: 2021-07-13

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 30, Left Head, Cheek, Mid Ch.
10 MHz Bandwidth, QPSK, 1 RB, 49 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

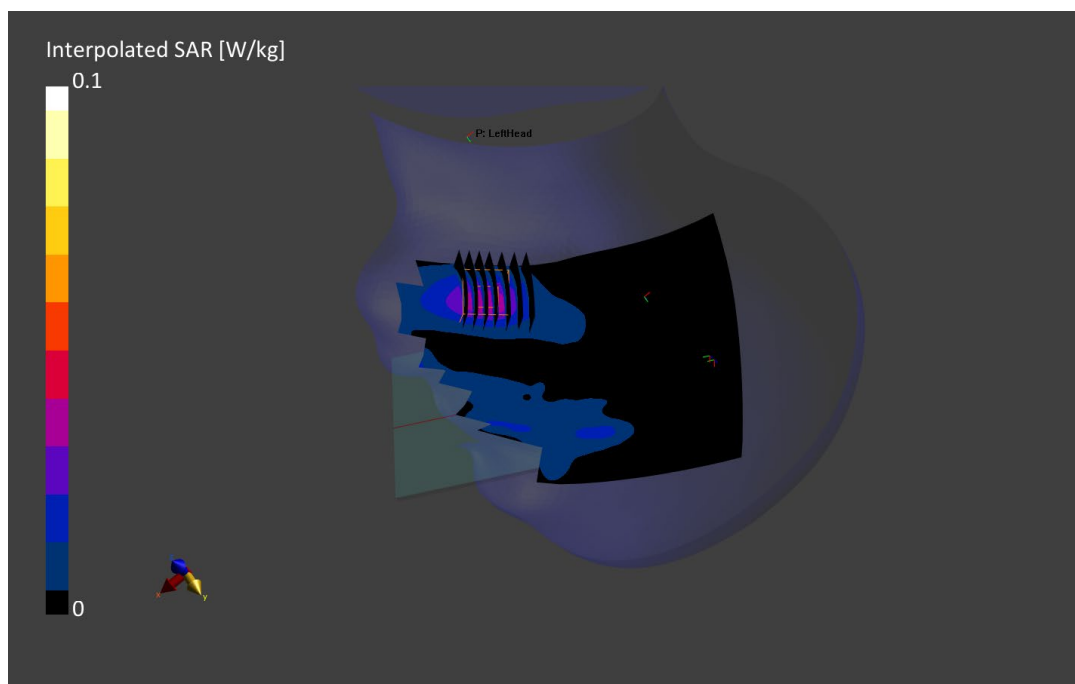
Reference Value = 0.03 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.056 W/kg

SAR(1 g) = 0.034 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 = 84.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0661M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2510.0 MHz; cond = 1.93 S/m; perm = 38.2; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/22/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.46,7.46,7.46); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1583; Calibrated: 2021-07-13

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 7, Left Head, Cheek, Low Ch
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

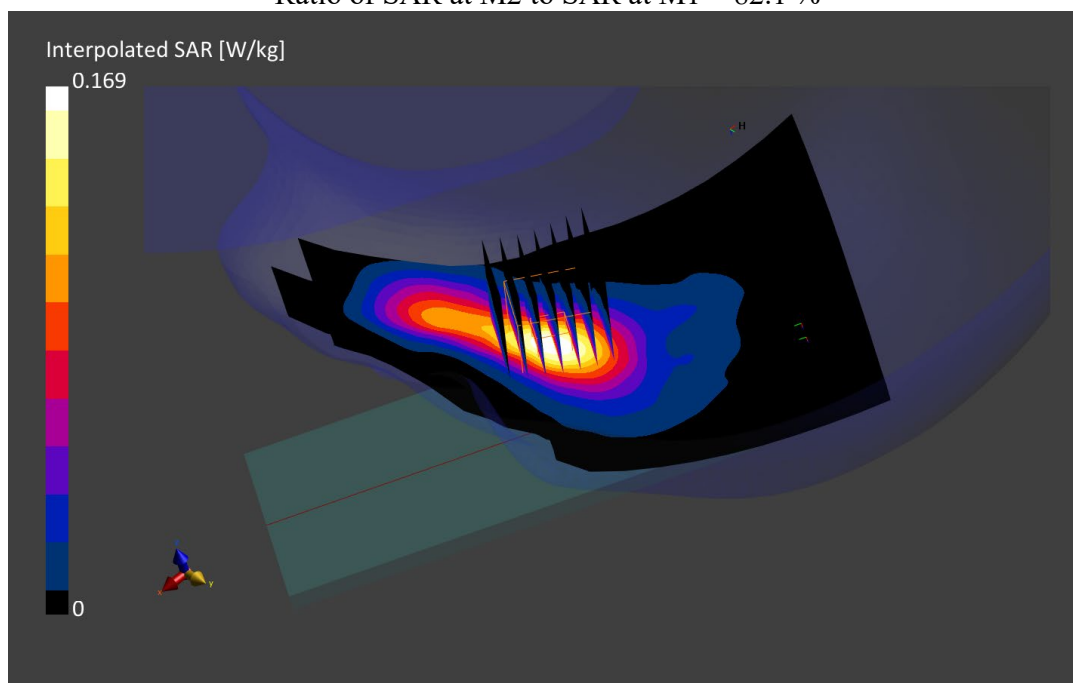
Reference Value = 0.07 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.091 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 = 82.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0981M

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

Medium: 2450 Head; Medium parameters used:

f = 2680.0 MHz; cond = 2.03 S/m; perm = 37.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/01/2022; Ambient Temp: 23.9°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7410; ConvF:(7.37,7.37,7.37); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1583; Calibrated: 2021-07-13

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: LTE Band 41 ULCA, Left Head, Cheek, High Ch.

PCC: 20 MHz Bandwidth, QPSK, Ch. 41490, 1 RB, 0 RB Offset

SCC: 20 MHz Bandwidth, QPSK, Ch. 41292, 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

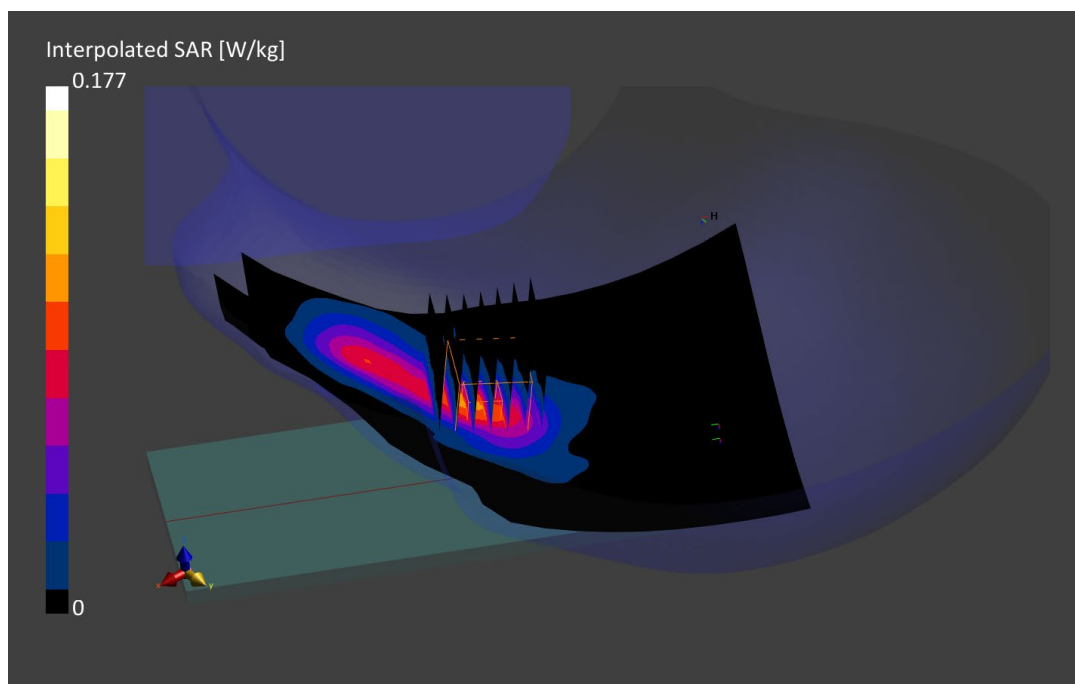
Reference Value = 0.07 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.090 W/kg

Smallest distance from peaks to all points 3 dB below is 9.8 mm

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0835M

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 3690.0 MHz

Medium: 3600 Head; Medium parameters used:

$f = 3690.0$ MHz; $\text{cond} = 3.00$ S/m; $\text{perm} = 39.3$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/02/2022; Ambient Temp: 22.4°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7670; ConvF:(6.93,6.93,6.93); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 48, Right Head, Cheek, 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 (28.0 x 28.0 x 28.0): Measurement grid: $dx=4.8$ mm, $dy=4.8$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

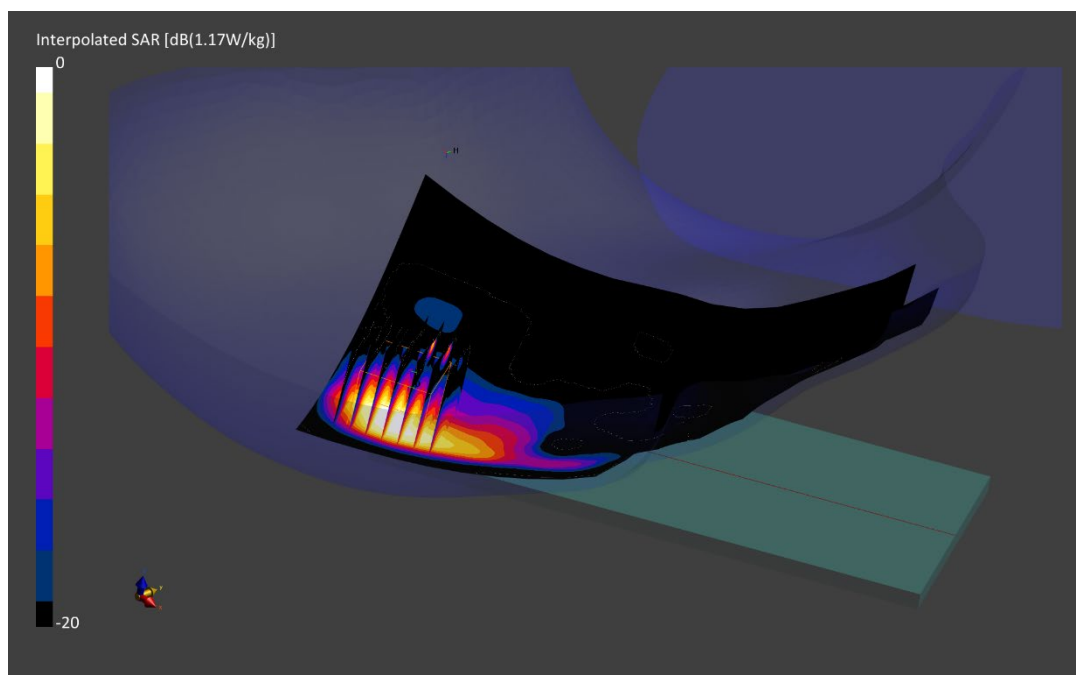
Reference Value = 1.00 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.94 W/kg

SAR(1 g) = 0.936 W/kg

Smallest distance from peaks to all points 3 dB below is 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 69.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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

Medium: 750 Head; Medium parameters used:

$f = 680.5$ MHz; $\text{cond} = 0.887$ S/m; $\text{perm} = 43.0$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/31/2022; Ambient Temp: 24.2°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7670; ConvF:(9.86,9.86,9.86); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n71, Right Head, Cheek, Ch. 136100, 20 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

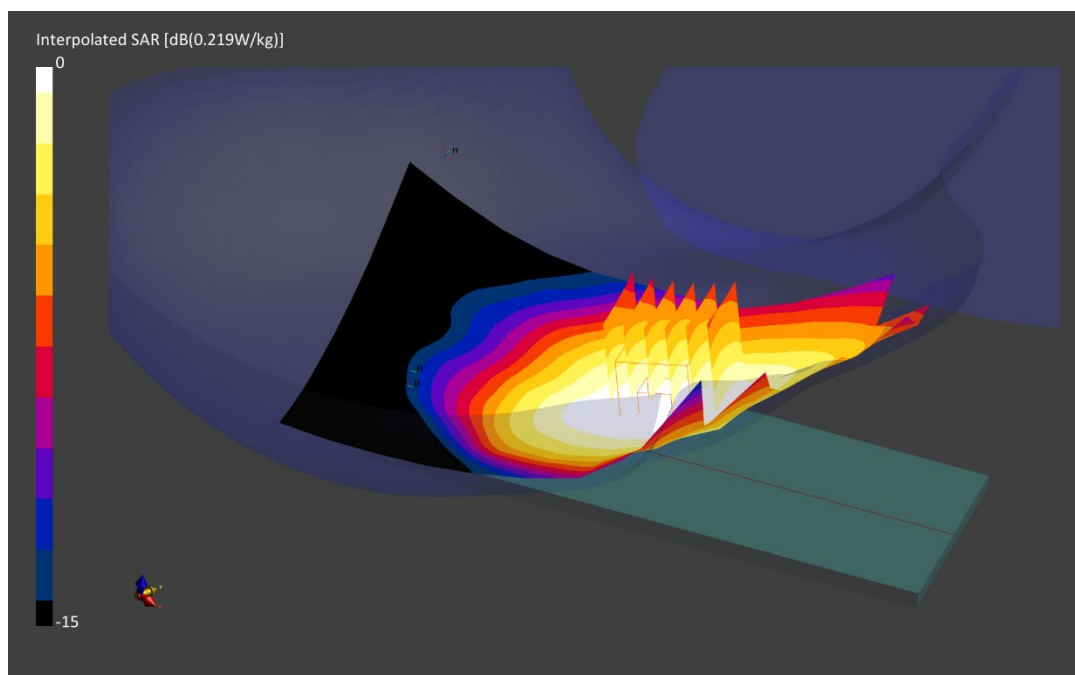
Reference Value = 0.21 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.202 W/kg

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

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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; $\text{cond} = 0.896$ S/m; $\text{perm} = 42.9$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/31/2022; Ambient Temp: 24.2°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7670; ConvF:(9.86,9.86,9.86); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

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

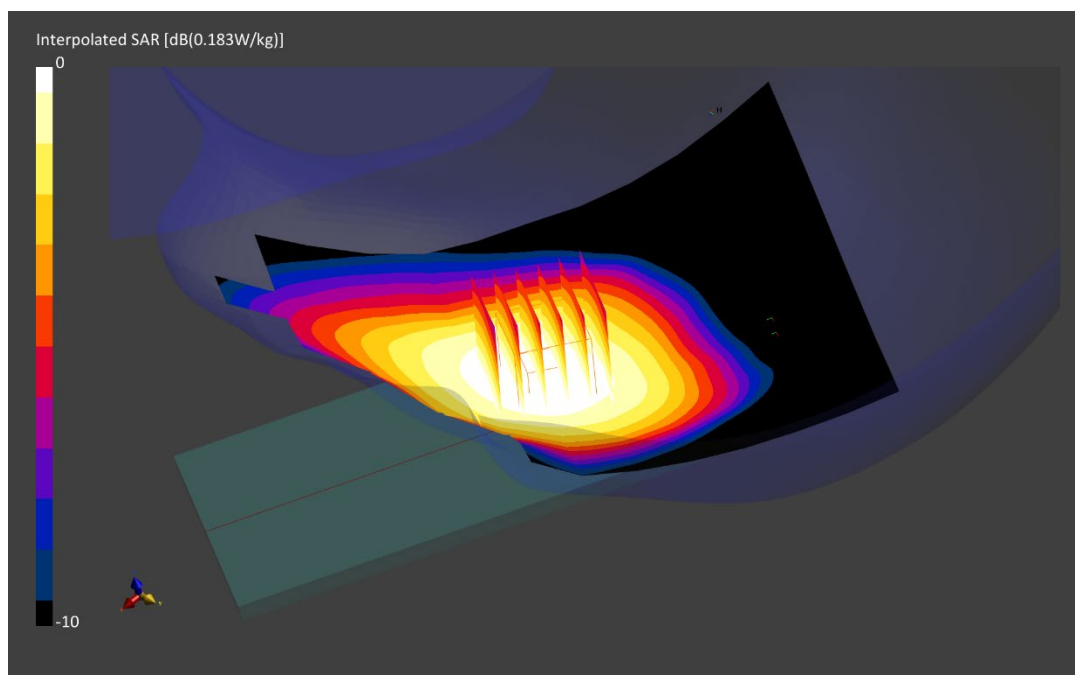
Reference Value = 0.20 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.191 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 92.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0957M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Head; Medium parameters used:

$f = 836.5$ MHz; $\text{cond} = 0.943$ S/m; $\text{perm} = 40.9$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/26/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7571; ConvF:(9.73,9.73,9.73); 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 V16.0.2.136

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

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

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

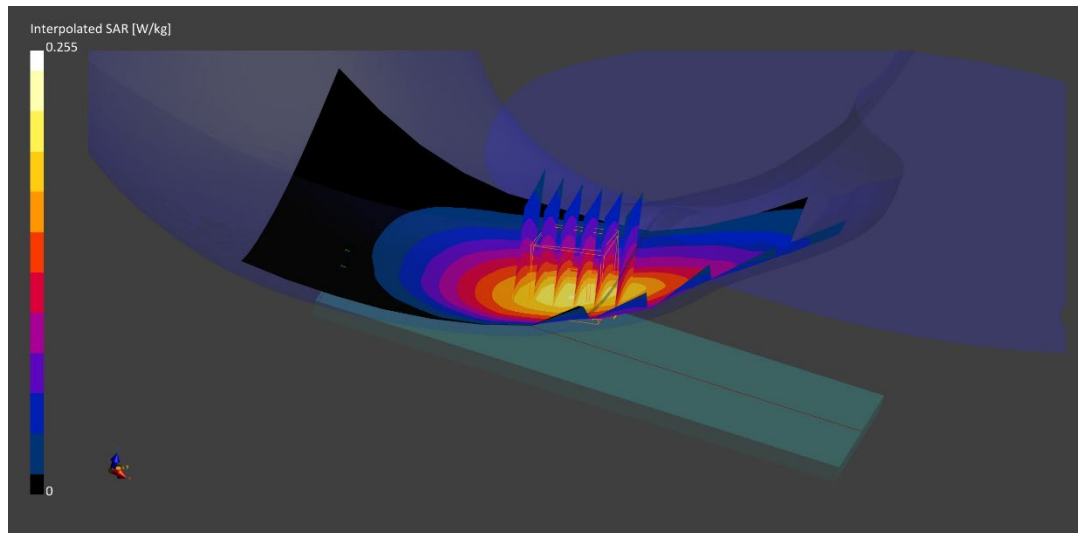
Reference Value = 0.20 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.195 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 = 91.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0658M

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

Medium: 1750 Head; Medium parameters used:

f = 1745.0 MHz; cond = 1.36 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/30/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7670; ConvF:(8.53,8.53,8.53); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n66, Antenna I, Left Head, Cheek, 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

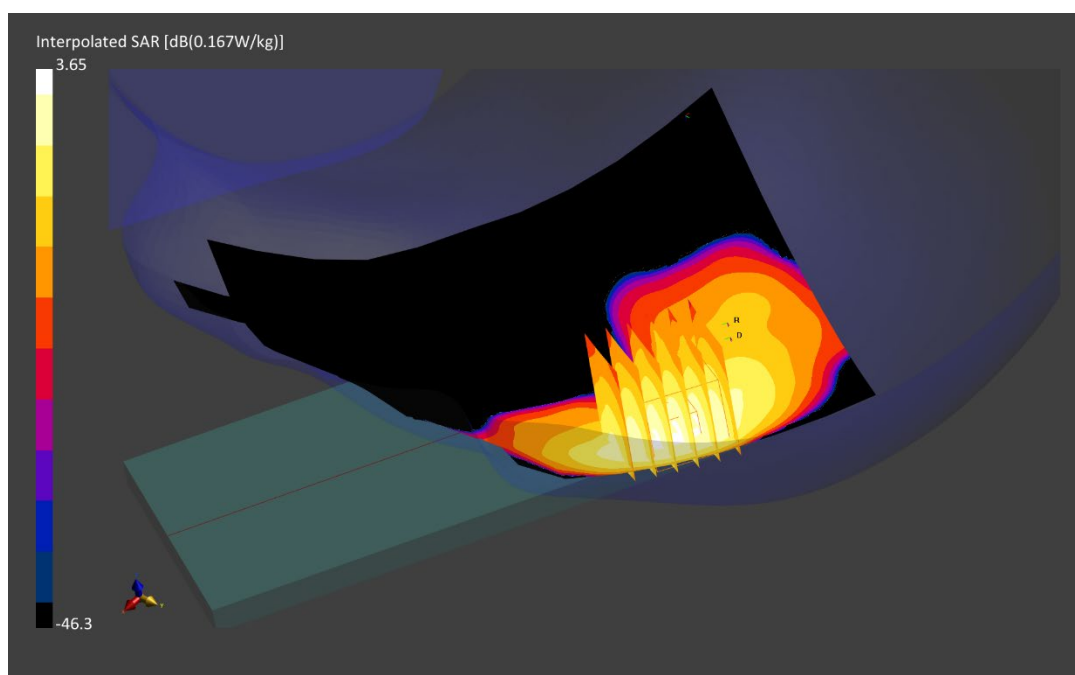
Reference Value = 0.17 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.178 W/kg

Smallest distance from peaks to all points 3 dB below is 7.3 mm

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0658M

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

Medium: 1900 Head; Medium parameters used:

f = 1882.5 MHz; cond = 1.42 S/m; perm = 38.7; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 06/02/2022; Ambient Temp: 23.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7527; ConvF:(7.77,7.77,7.77); 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 V16.0.2.136

**Mode: NR Band n25, Antenna I, Left Head, Cheek, 40 MHz Bandwidth, Ch. 376500
DFT-s-OFDM QPSK, 108 RB, 108 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.6 mm, dy=4.6 mm, dz=1.4 mm; Graded Ratio: 1.4

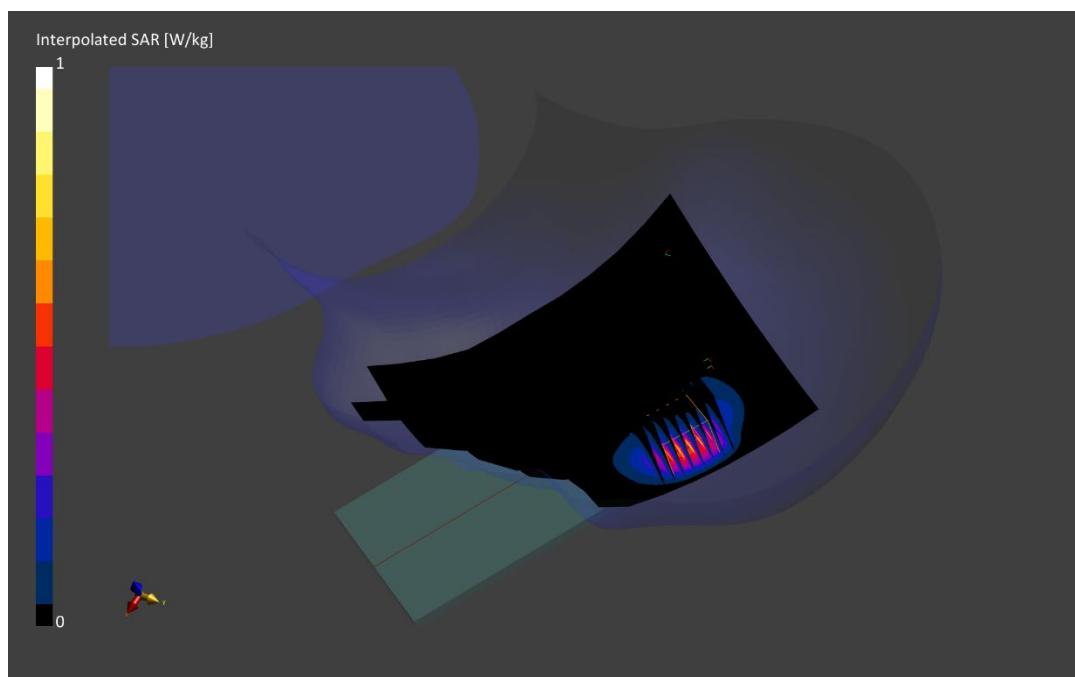
Reference Value = 0.78 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.709 W/kg

Smallest distance from peaks to all points 3 dB below is 4.7 mm

Ratio of SAR at M2 to SAR at M1 = 72.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0662M

Communication System: UID:10945 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2310.0 MHz; cond = 1.71 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/25/2022; Ambient Temp: 23.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(7.82,7.82,7.82); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1583; Calibrated: 2021-07-13

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n30, Antenna I, Left Head, Cheek, Ch. 462000,
10 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 0 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.4 mm, dy=4.4 mm, dz=1.4 mm; Graded Ratio: 1.4

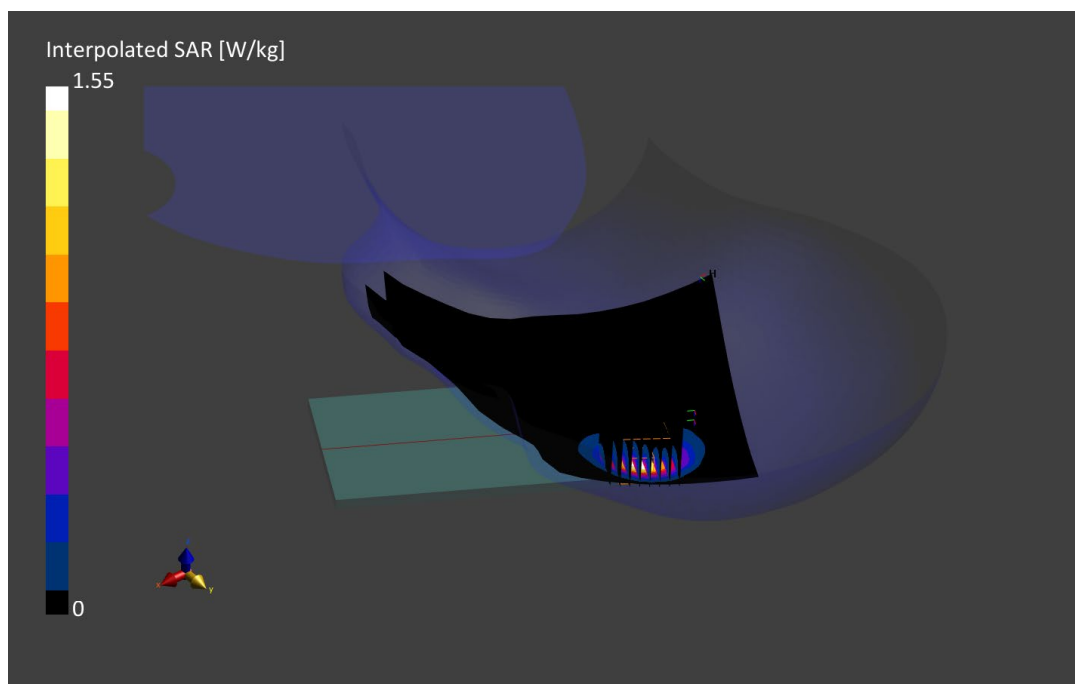
Reference Value = 0.41 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.589 W/kg

Smallest distance from peaks to all points 3 dB below is 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 74.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0884M

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; $\text{cond} = 1.97$ S/m; $\text{perm} = 37.9$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/04/2022; Ambient Temp: 23.30°C; Tissue Temp: 22.40°C

Probe: EX3DV4 - SN7410; ConvF:(7.37,7.37,7.37); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1583; Calibrated: 2021-07-13

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n7, Antenna B, Left Head, Cheek, Ch. 507000, 40 MHz Bandwidth
DFT-s-OFDM QPSK, 108 RB, 54 RB Offset**

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

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

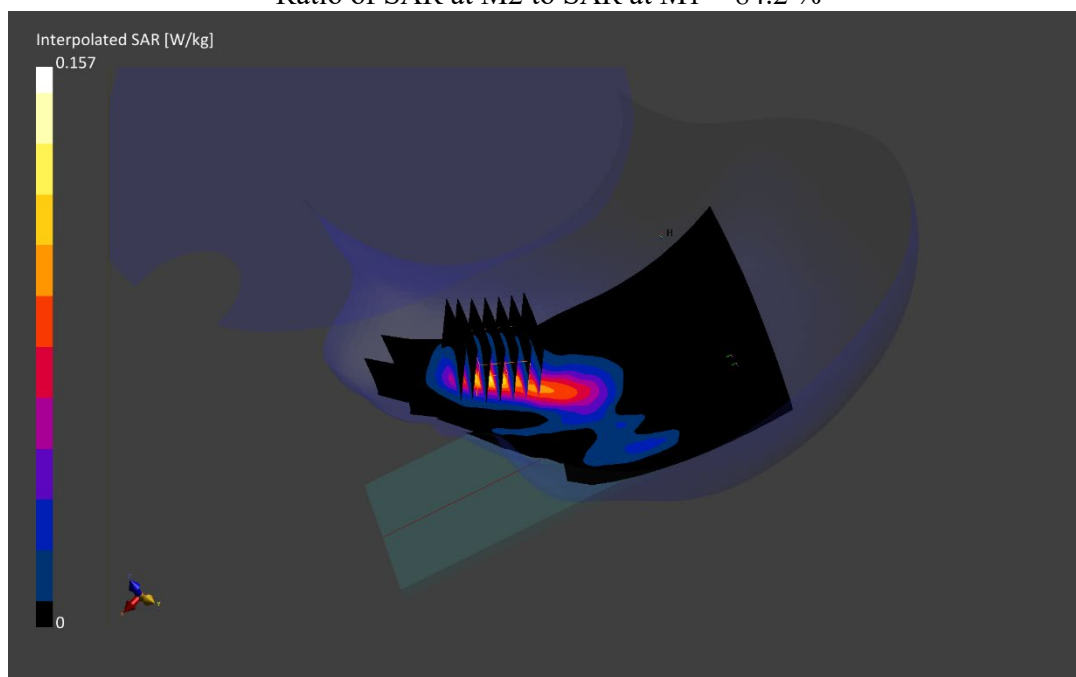
Reference Value = 0.08 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.087 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 = 84.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0649M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2593.0$ MHz; $\text{cond} = 1.97$ S/m; $\text{perm} = 38.9$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/15/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.37,7.37,7.37); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1583; Calibrated: 2021-07-13

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n41, Antenna I, Left Head, Cheek, Ch. 518598, 100 MHz Bandwidth
DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

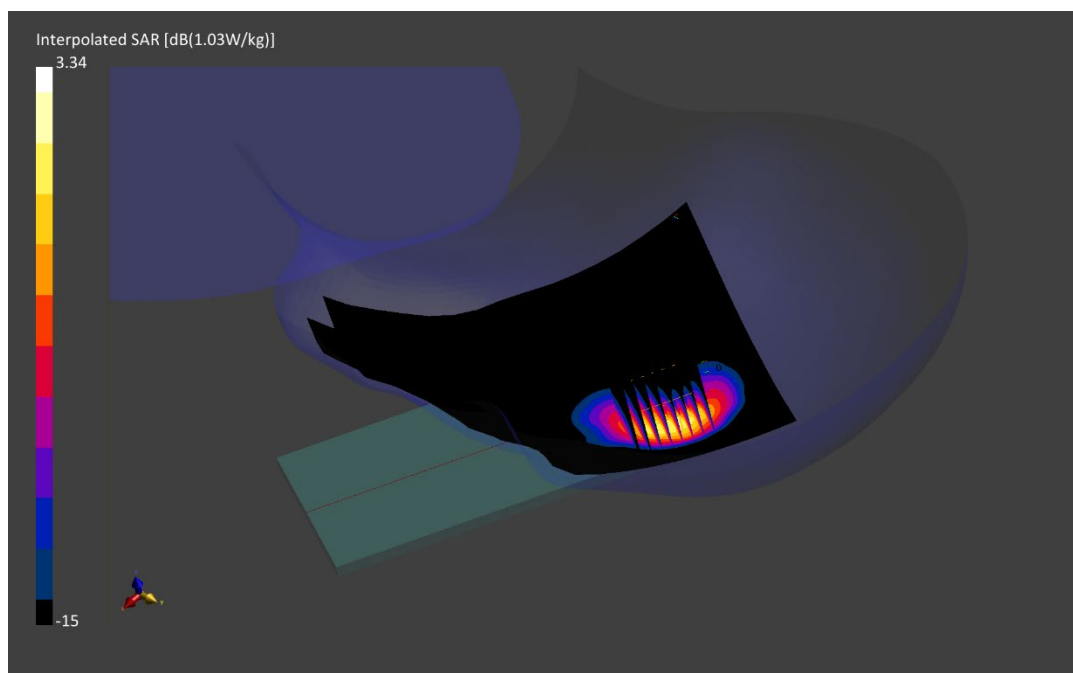
Reference Value = 0.48 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.22 W/kg

SAR(1 g) = 0.737 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 73.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0419M

Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz

Medium: 3600 Head; Medium parameters used:

$f = 3680.0$ MHz; $\text{cond} = 2.97$ S/m; $\text{perm} = 39.0$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/28/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7670; ConvF:(6.93,6.93,6.93); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n48, Antenna F, Right Head, Cheek, Ch.645332, 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: $dx=4.5$ mm, $dy=4.5$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

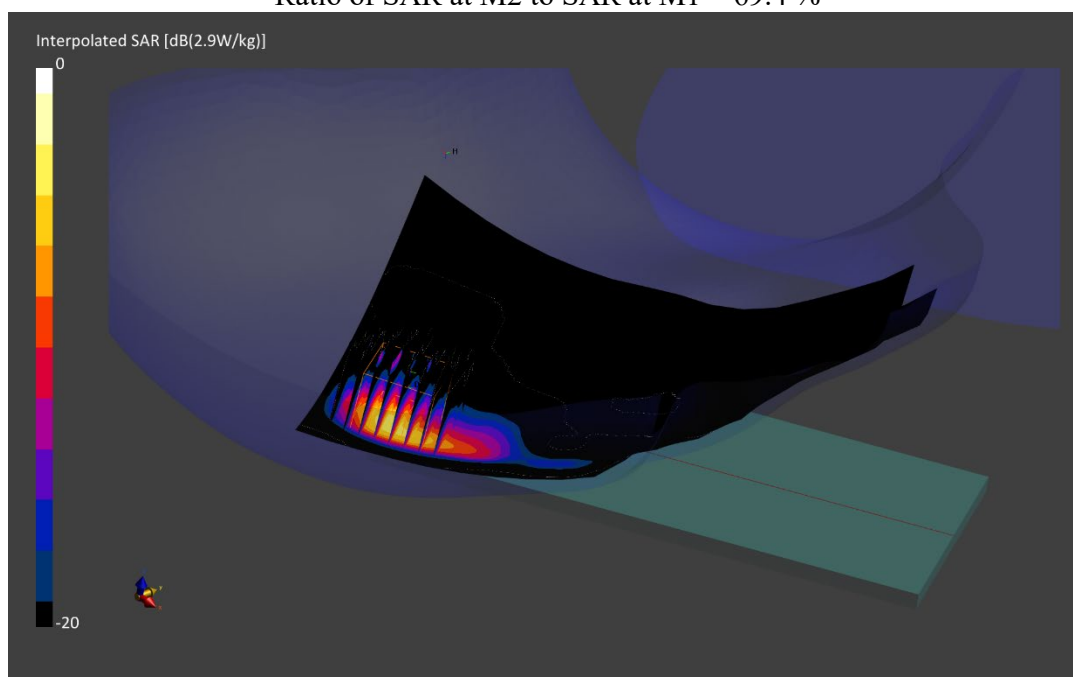
Reference Value = 0.94 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 0.923 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 = 69.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0416M

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

Medium: 3600 Head; Medium parameters used:

f = 3500.0 MHz; cond = 2.80 S/m; perm = 39.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/28/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7670; ConvF:(7.14,7.14,7.14); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=3.5 mm, dy=3.5 mm, dz=1.4 mm; Graded Ratio: 1.5

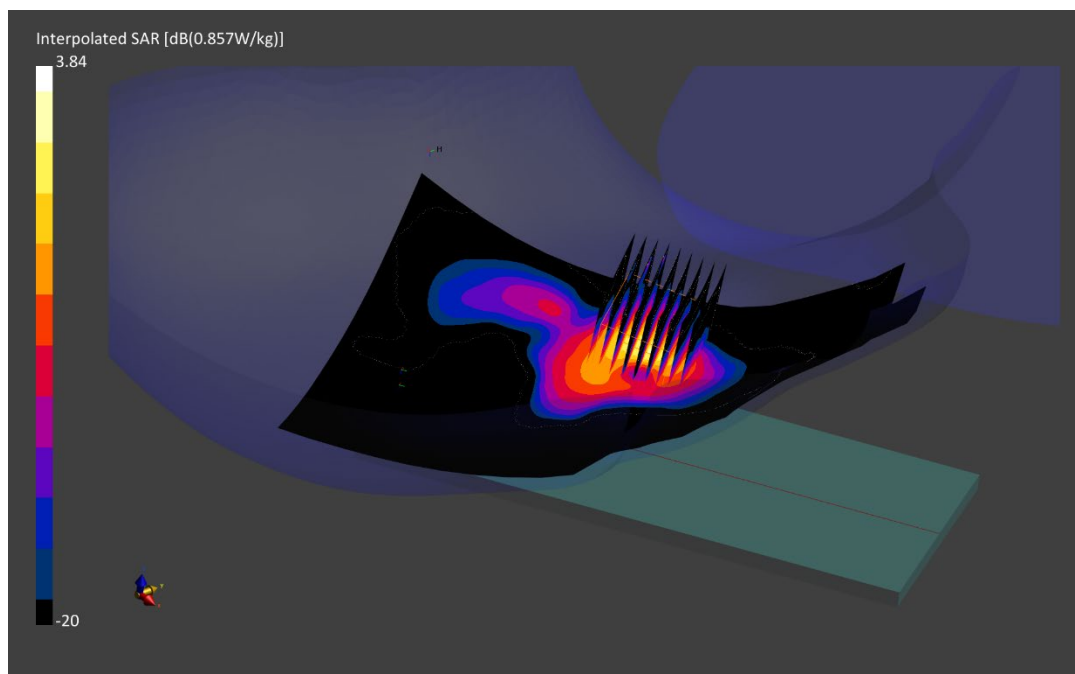
Reference Value = 0.56 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.630 W/kg

Smallest distance from peaks to all points 3 dB below is 3.6 mm

Ratio of SAR at M2 to SAR at M1 = 68.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0894M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz

Medium: 3600 Head; Medium parameters used:

f = 3750.0 MHz; cond = 3.07 S/m; perm = 38.6; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/21/2022; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7670; ConvF:(6.93,6.93,6.93); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n77, Antenna F, Right Head, Cheek, Ch. 650000, 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

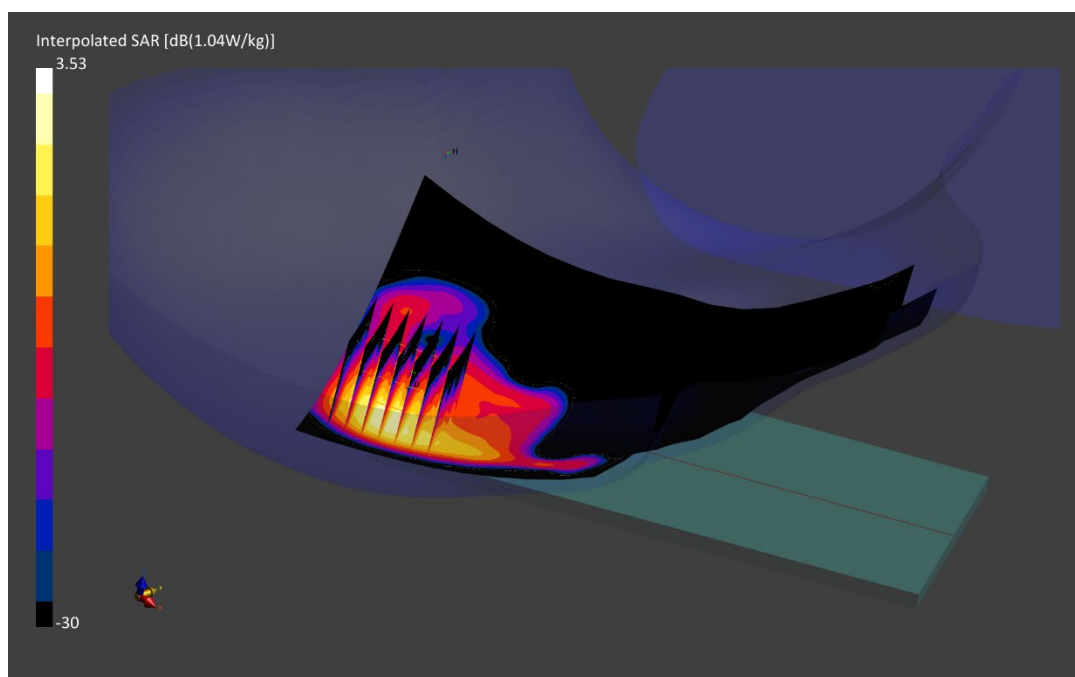
Reference Value = 0.81 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.778 W/kg

Smallest distance from peaks to all points 3 dB below is 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 70.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0903M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 2412.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2412.0 MHz; cond = 1.82 S/m; perm = 38.1; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/09/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.58,7.58,7.58); 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 V16.0.2.136

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

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.1 mm, dy=4.1 mm, dz=1.4 mm; Graded Ratio: 1.4

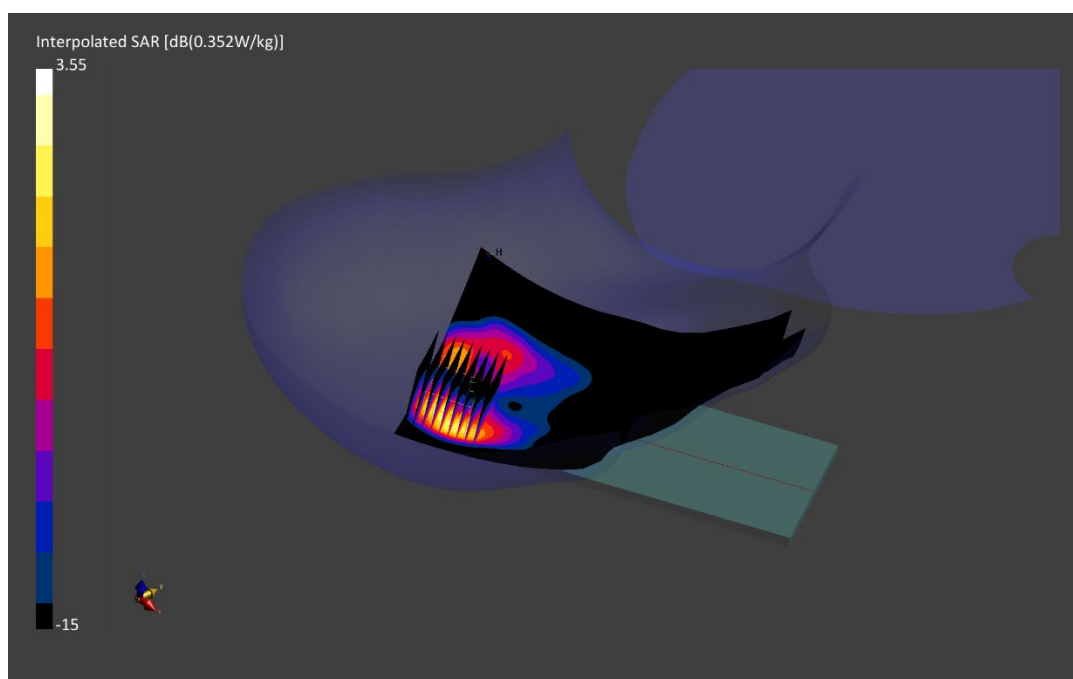
Reference Value = 0.26 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.798 W/kg

SAR(1 g) = 0.278 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 71.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0664M

Communication System: UID:10626 - AAC, CW; MAIA: Y; Frequency: 5855.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5855.0 MHz; cond = 5.34 S/m; perm = 34.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/19/2022; Ambient Temp: 23.5°C; Tissue Temp: 22.2°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 V16.0.2.136

**Mode: IEEE 802.11ac, U-NII-4, MIMO, 80 MHz Bandwidth
Left Head, Tilt, 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=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

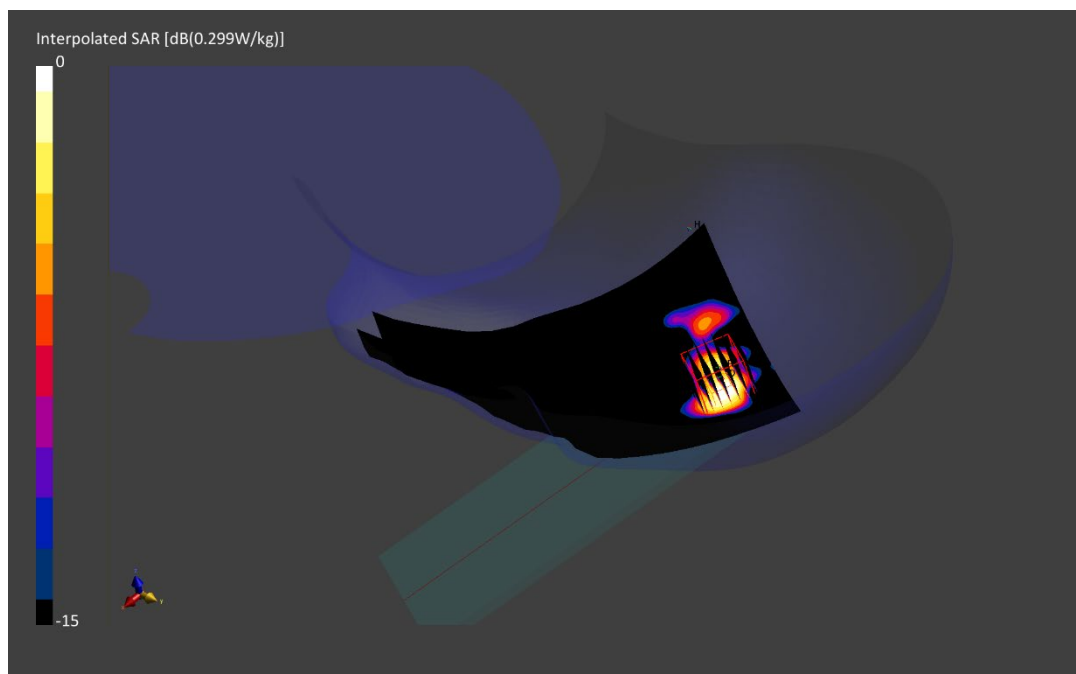
Reference Value = 0.35 W/kg; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.250 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 = 58.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0991M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 40.4$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/11/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.58,7.58,7.58); 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 V16.0.2.136

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

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.1$ mm, $dy=4.1$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

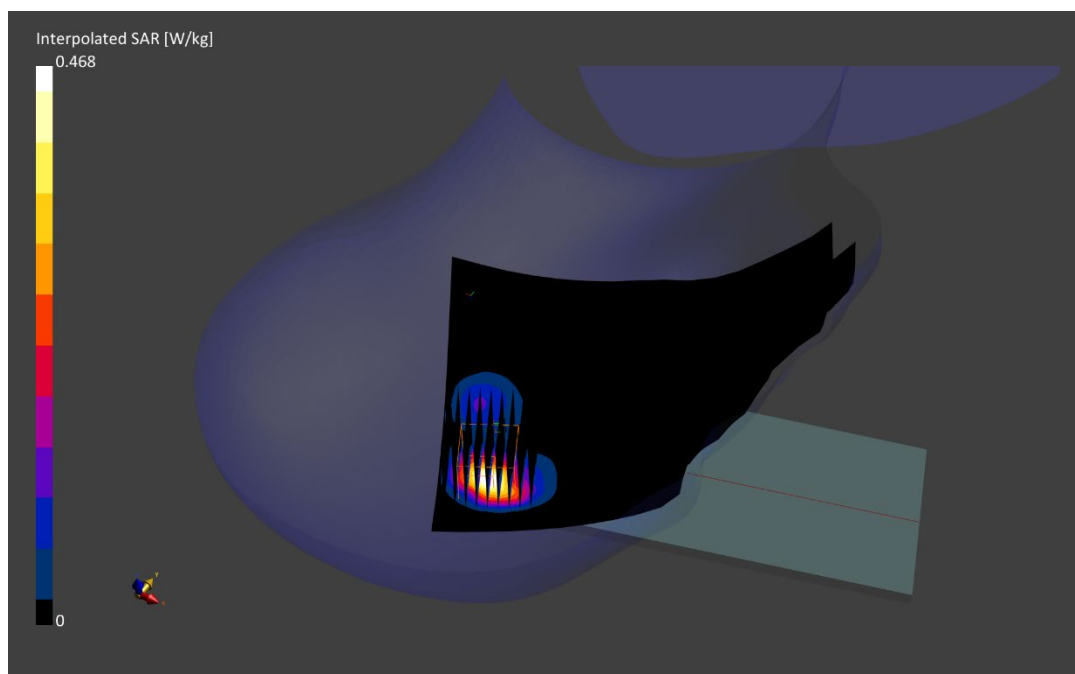
Reference Value = 0.15 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.152 W/kg

Smallest distance from peaks to all points 3 dB below is 5.0 mm

Ratio of SAR at M2 to SAR at M1 = 73.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0425M

Communication System: UID 0, GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

$f = 848.8 \text{ MHz}$; $\sigma = 1.019 \text{ S/m}$; $\epsilon_r = 53.964$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/17/2022; Ambient Temp: 21.7°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7558; ConvF(10.14, 10.14, 10.14) @ 848.8 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

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: GSM 850, Closed, Body SAR, Back side, High.ch

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

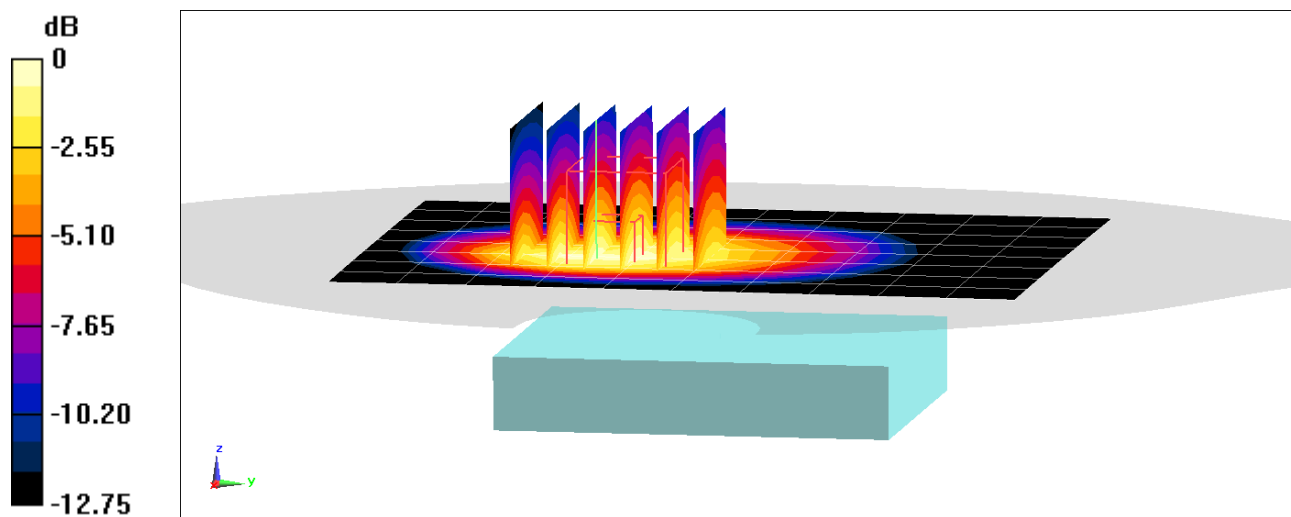
Reference Value = 16.15 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.254 W/kg;

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

Ratio of SAR at M2 to SAR at M1 = 65.7%



0 dB = 0.337 W/kg = -4.72 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1880.0$ MHz; $\text{cond} = 1.54$ S/m; $\text{perm} = 53.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/18/2022; Ambient Temp: 24.0°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.66,7.66); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY Module SAR V16.0.2.83

Mode: GSM 1900, Open, 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

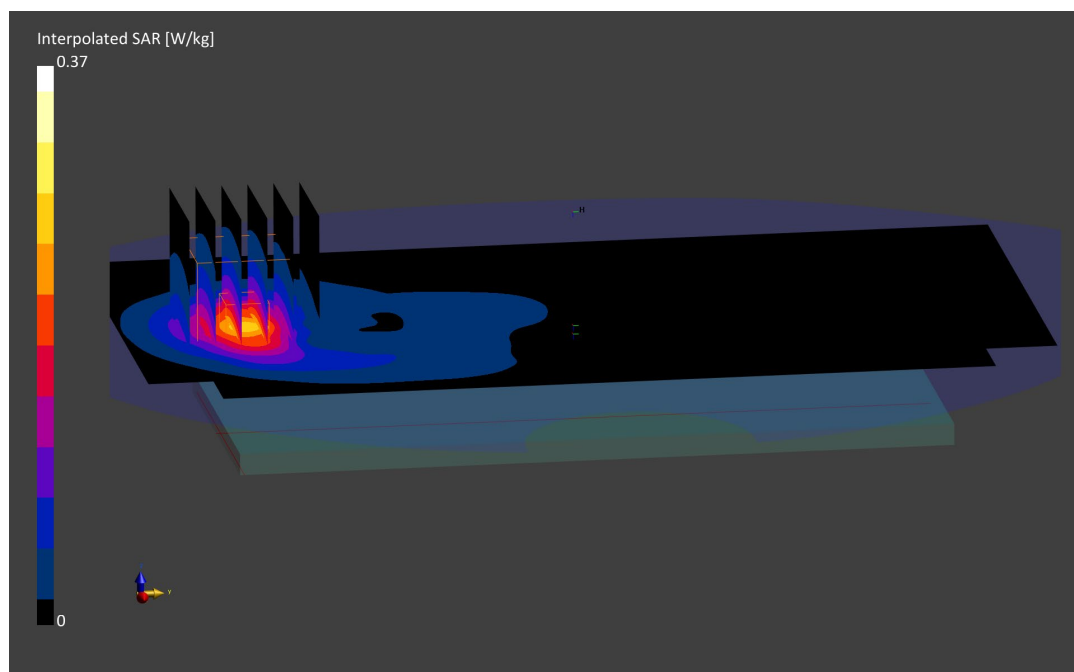
Reference Value = 0.22 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.220 W/kg

Smallest distance from peaks to all points 3 dB below is 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 84.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0921M

Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

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

$f = 846.6$ MHz; $\sigma = 0.978$ S/m; $\epsilon_r = 54.338$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/21/2022; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7558; ConvF(10.14, 10.14, 10.14) @ 846.6 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

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: UMTS 850, Closed, Body SAR, Back side, High.ch

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

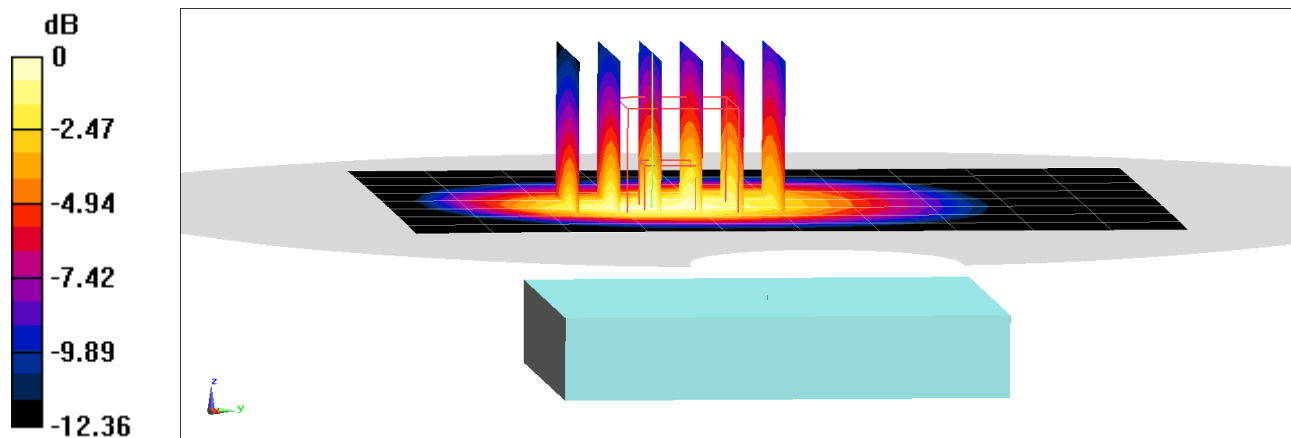
Reference Value = 20.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.382 W/kg

Smallest distance from peaks to all points 3 dB below = 18.7 mm

Ratio of SAR at M2 to SAR at M1 = 66.8%



0 dB = 0.502 W/kg = -2.99 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0888M

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1712.4 MHz

Medium: 1750 Body; Medium parameters used:

f = 1712.4 MHz; cond = 1.45 S/m; perm = 54.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/23/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3914; ConvF:(7.81,7.81,7.81); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: UMTS 1750, Open, 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

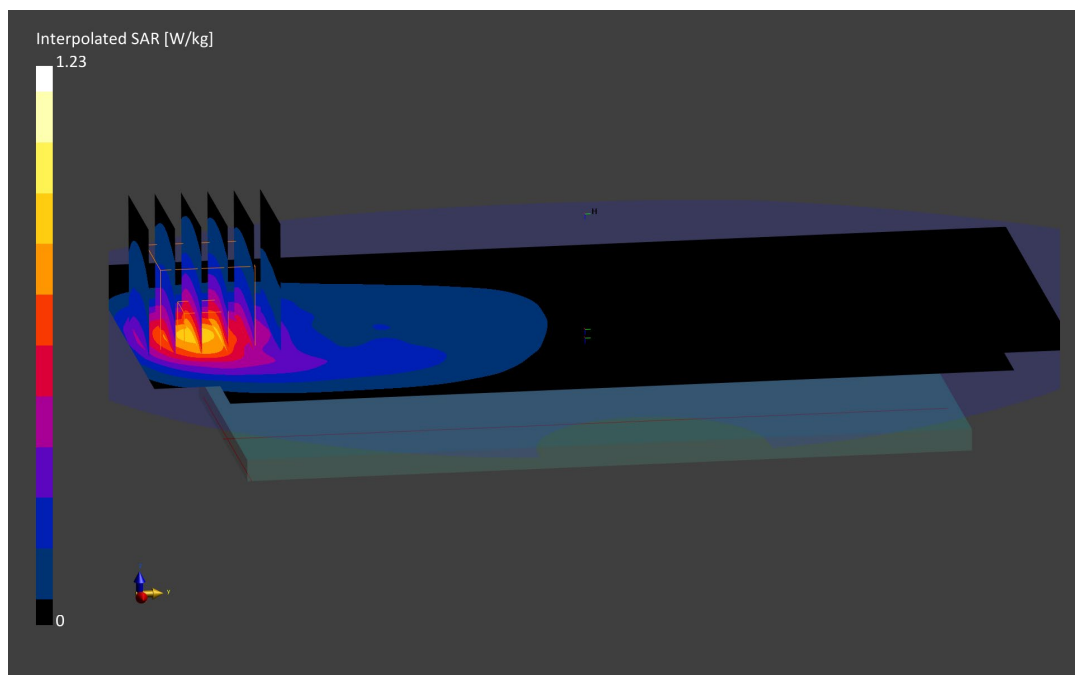
Reference Value = 0.72 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.776 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 = 87.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0888M

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1907.6 MHz

Medium: 1900 Body; Medium parameters used:

f = 1907.6 MHz; cond = 1.59 S/m; perm = 52.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/20/2022; Ambient Temp: 23.9°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7538; ConvF:(8.28,8.28,8.28); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: UMTS 1900, Open, 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

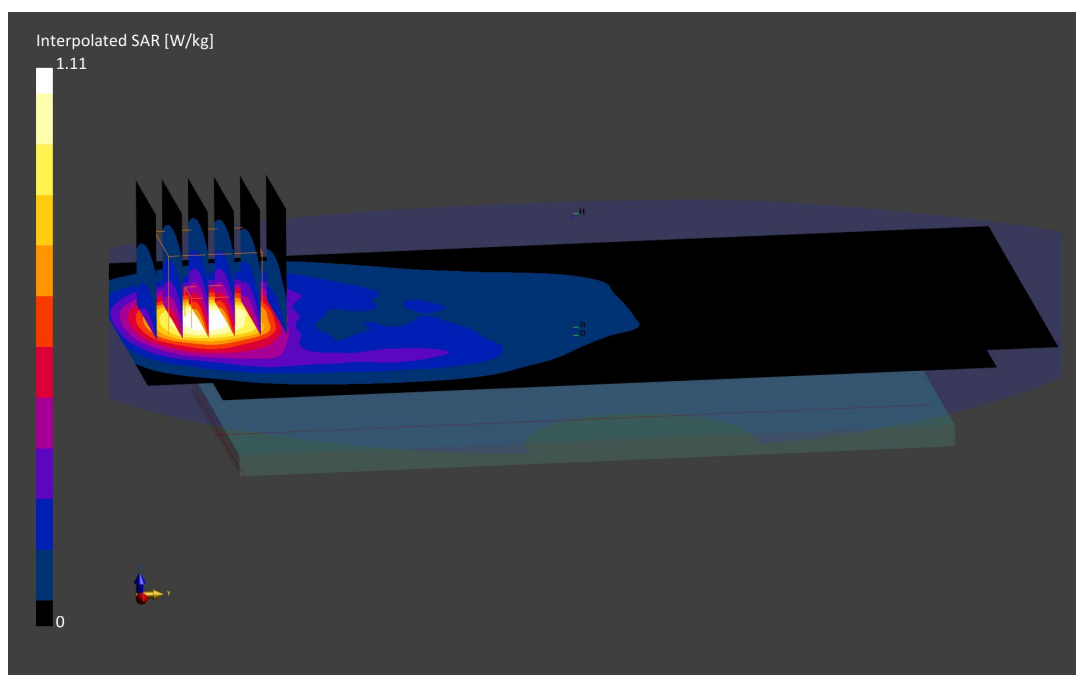
Reference Value = 0.78 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.665 W/kg

Smallest distance from peaks to all points 3 dB below is 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 85.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

Communication System: UID 0, LTE Band 71; Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium: 750 Body; Medium parameters used (interpolated):
 $f = 680.5 \text{ MHz}$; $\sigma = 0.959 \text{ S/m}$; $\epsilon_r = 54.233$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/03/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7637; ConvF(10.65, 10.65, 10.65) @ 680.5 MHz; Calibrated: 3/22/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/14/2022
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Area Scan (8x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

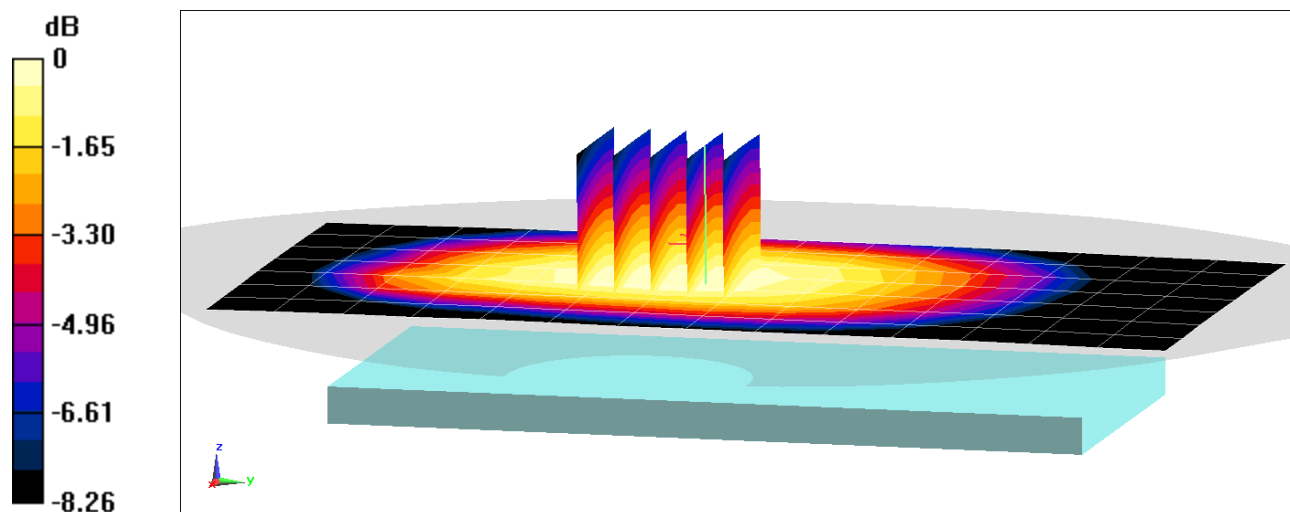
Reference Value = 16.23 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.323 W/kg

SAR(1 g) = 0.249 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 = 76.1%



0 dB = 0.297 W/kg = -5.27 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0921M

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

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

$f = 707.5$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 55.209$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/25/2022; Ambient Temp: 20.7°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7558; ConvF(10.38, 10.38, 10.38) @ 707.5 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

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, Open, Body SAR, Back side, Mid.ch
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm

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

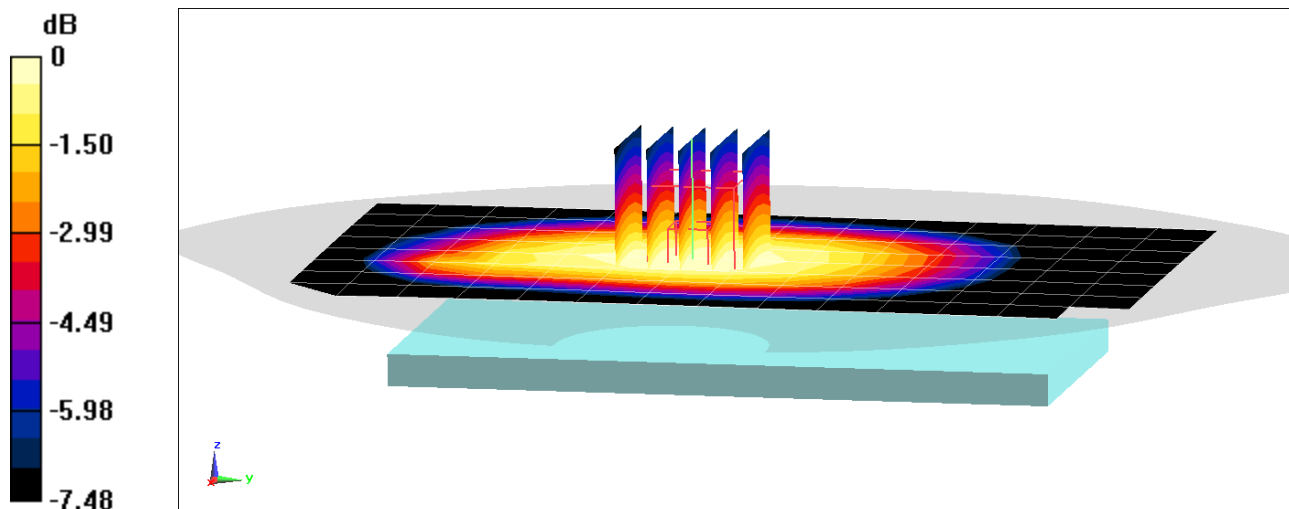
Reference Value = 15.50 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.220 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 = 76.8%



0 dB = 0.264 W/kg = -5.78 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0277M

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

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

$f = 782 \text{ MHz}$; $\sigma = 0.964 \text{ S/m}$; $\epsilon_r = 54.986$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/09/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7637; ConvF(10.65, 10.65, 10.65) @ 782 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937

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

Mode: LTE Band 13, Closed, Body SAR, Back side, Mid.ch
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

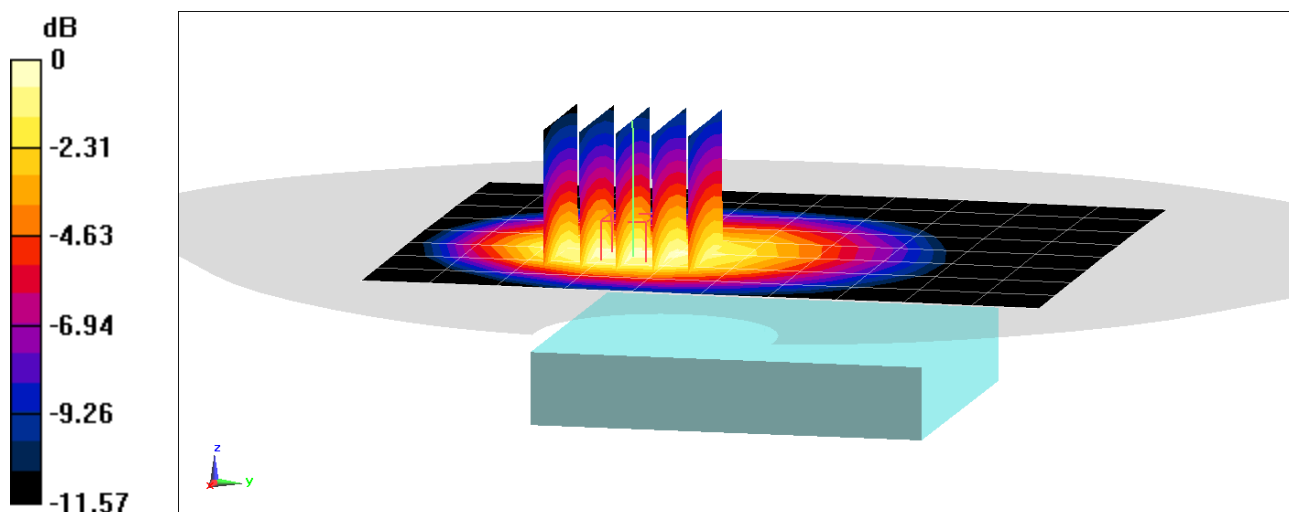
Reference Value = 15.31 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.211 W/kg

Smallest distance from peaks to all points 3 dB below = 17.9 mm

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



0 dB = 0.285 W/kg = -5.45 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

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

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

$f = 793 \text{ MHz}$; $\sigma = 0.969 \text{ S/m}$; $\epsilon_r = 54.959$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/09/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7637; ConvF(10.65, 10.65, 10.65) @ 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 (30); Type: QD 000 P41 AA; Serial: 1937

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

Mode: LTE Band 14, Closed, Body SAR, Back side, Mid.ch
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

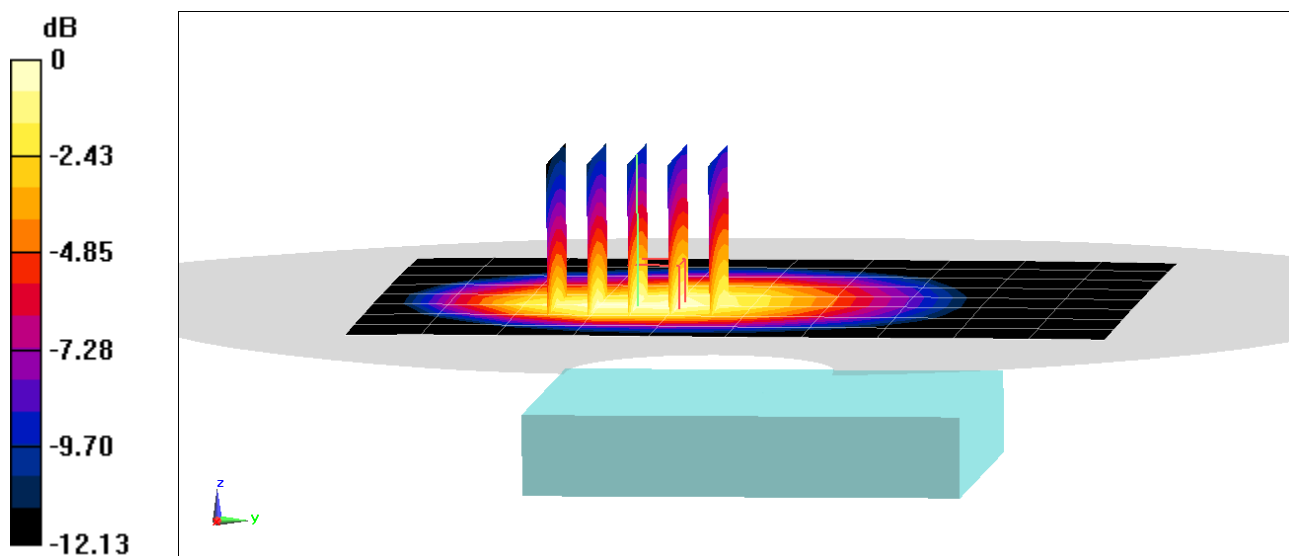
Reference Value = 17.52 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.280 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 67.1%



0 dB = 0.366 W/kg = -4.37 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0277M

Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

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

$f = 831.5$ MHz; $\sigma = 1.017$ S/m; $\epsilon_r = 53.434$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/11/2022; Ambient Temp: 20.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7491; ConvF(10.17, 10.17, 10.17) @ 831.5 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/15/2021

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

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

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

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

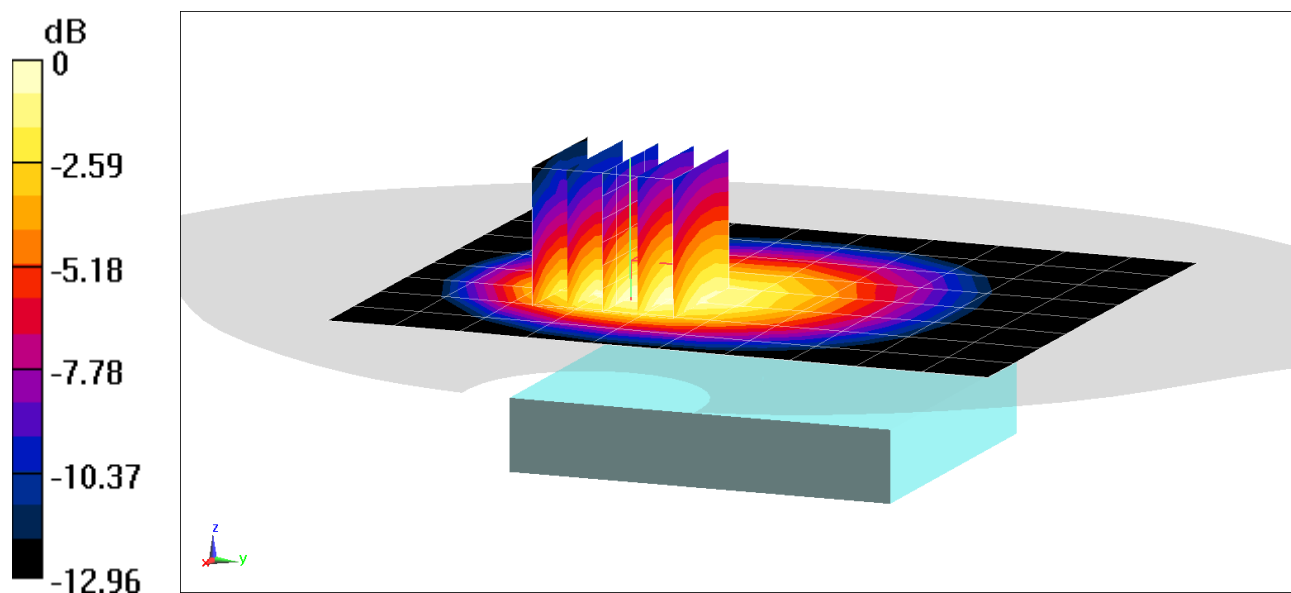
Reference Value = 17.05 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.284 W/kg

Smallest distance from peaks to all points 3 dB below = 19.3 mm

Ratio of SAR at M2 to SAR at M1 = 65.2%



0 dB = 0.371 W/kg = -4.31 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 1014M

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; $\sigma = 1.016$ S/m; $\epsilon_r = 52.791$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/12/2022; Ambient Temp: 21.2°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7491; ConvF(10.17, 10.17, 10.17) @ 836.5 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/15/2021

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 5 (Cell.) ULCA, Closed, Body SAR, Back side

PCC: 10 MHz Bandwidth, QPSK, Ch. 20525, 1 RB, 0 RB Offset

SCC: 5 MHz Bandwidth, QPSK, Ch. 20453, 1 RB, 24 RB Offset

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

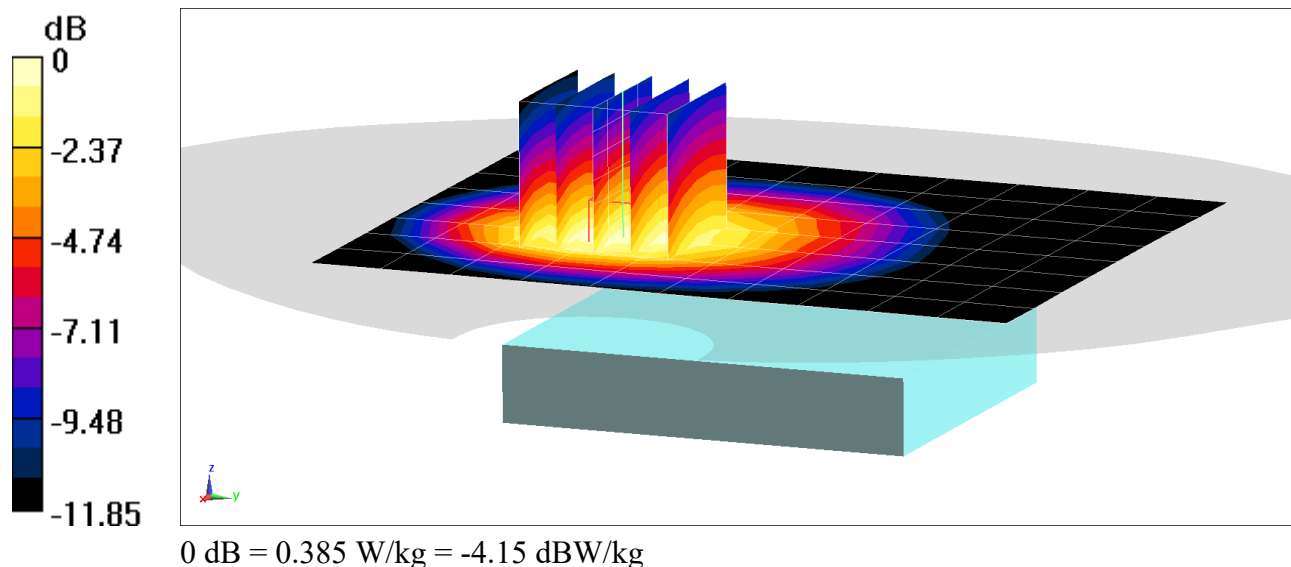
Reference Value = 17.47 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.291 W/kg

Smallest distance from peaks to all points 3 dB below = 20.5 mm

Ratio of SAR at M2 to SAR at M1 = 66.6%



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0424M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1720.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1720.0 MHz; cond = 1.49 S/m; perm = 51.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/24/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7670; ConvF:(8.36,8.36,8.36); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.0.2.136

Mode: LTE Band 66 (AWS), Open, Body SAR, Back Side, Low Ch.,

PCC: Ch. 132072, 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

SCC: Ch. 132121, 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

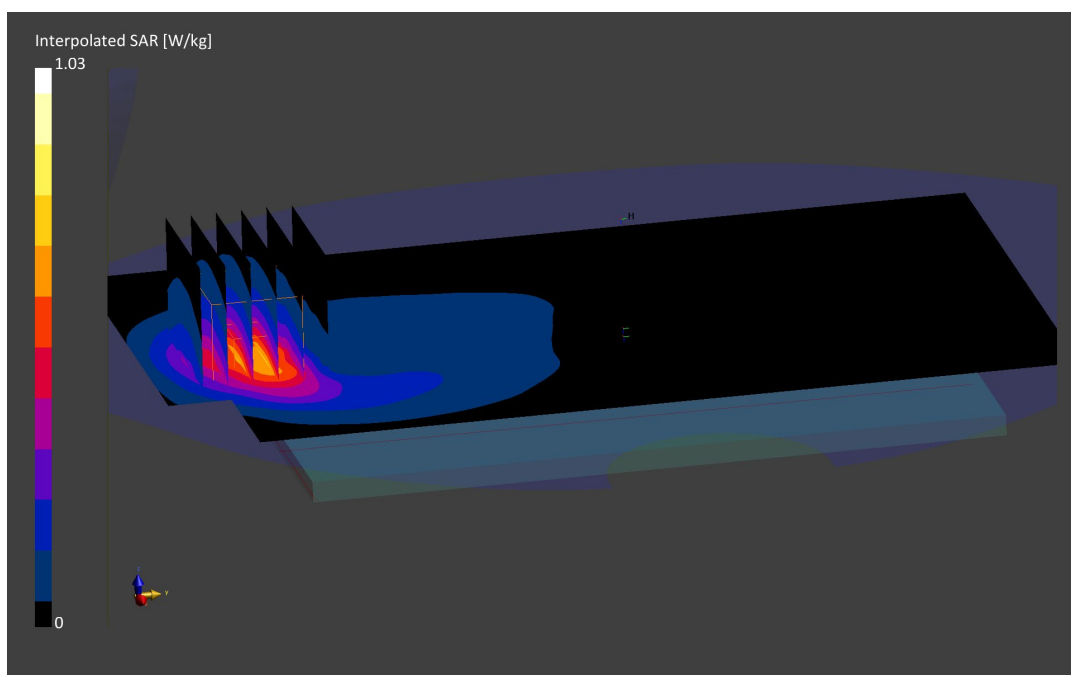
Reference Value = 0.59 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.620 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 = 85.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

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

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.51 S/m; perm = 52.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/23/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.66,7.66); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: LTE Band 25, Open, Body SAR , Back side, Low 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

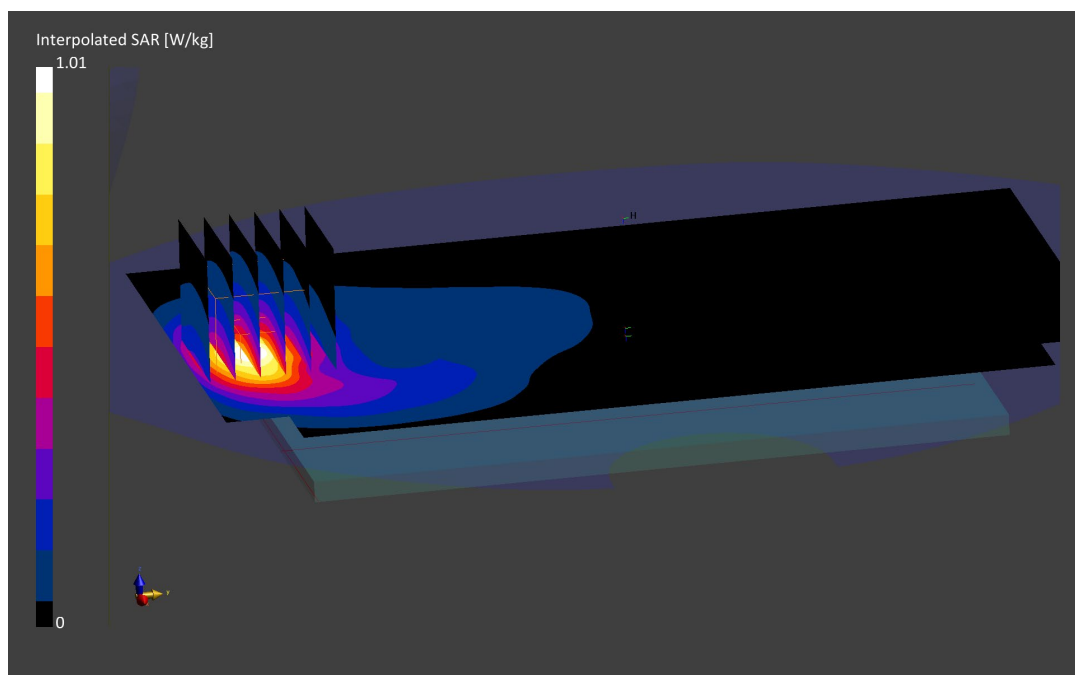
Reference Value = 0.60 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.603 W/kg

Smallest distance from peaks to all points 3 dB below is 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 84.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0646M

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

Medium: 2450 Body; Medium parameters used:

f = 2310.0 MHz; cond = 1.81 S/m; perm = 51.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/23/2022; Ambient Temp: 21.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.46,7.46,7.46); Calibrated: 2021-06-21

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

Electronics: DAE4 Sn1334; Calibrated: 2021-06-15

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 30, Open, Body SAR, Back Side,
10 MHz Bandwidth, Mid Ch., QPSK, 1 RB, 49 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

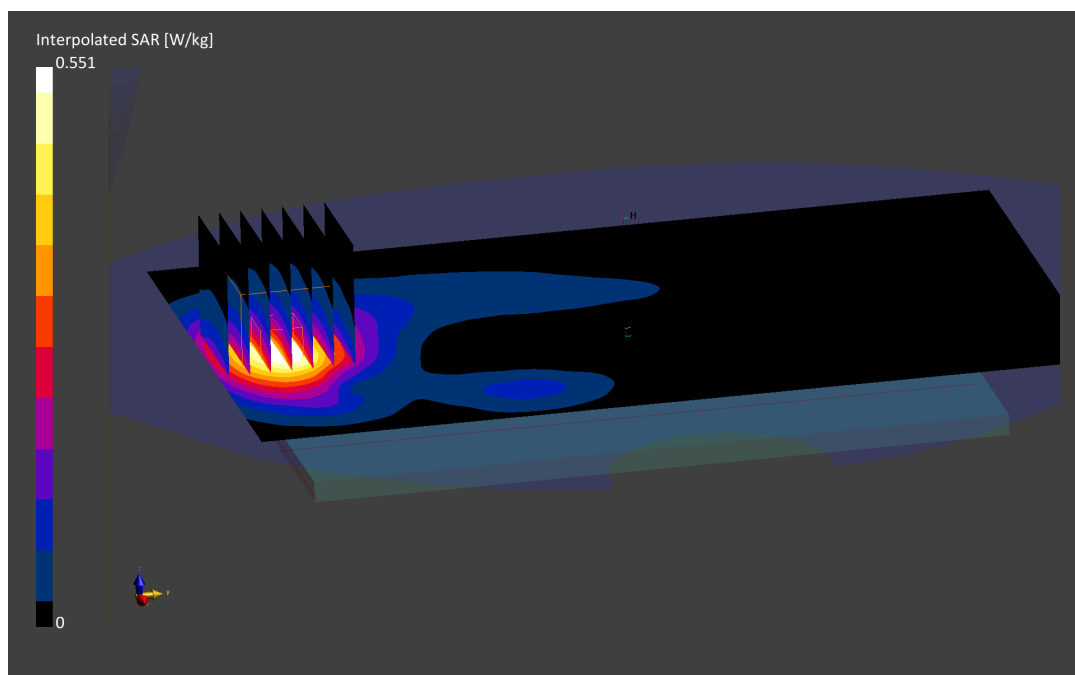
Reference Value = 0.30 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.312 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 = 83.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2510.0 MHz; cond = 2.04 S/m; perm = 50.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/05/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7417; ConvF:(7.57,7.57,7.57); 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 V16.0.2.83

**Mode: LTE Band 7, Open, Body SAR, Back Side, Low Ch,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

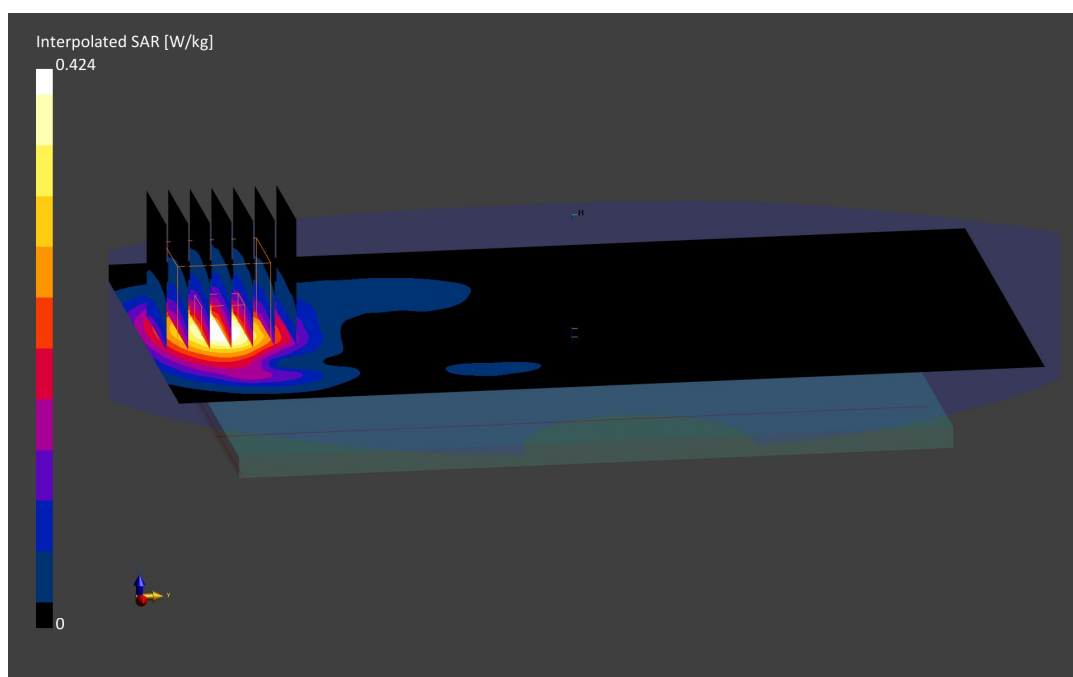
Reference Value = 0.29 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.233 W/kg

Smallest distance from peaks to all points 3 dB below is 13.0 mm

Ratio of SAR at M2 to SAR at M1 = 82.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0424M

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

Medium: 2450 Body; Medium parameters used:

f = 2680.0 MHz; cond = 2.22 S/m; perm = 51.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/01/2022; Ambient Temp: 22.5°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.4,7.4,7.4); Calibrated: 2022-02-22

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: LTE Band 41 ULCA, Open, Body SAR, Back Side, High Ch

PCC: 20 MHz Bandwidth, QPSK, Ch. 41490, 1 RB, 0 RB Offset

SCC: 20 MHz Bandwidth, QPSK, Ch. 41292, 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

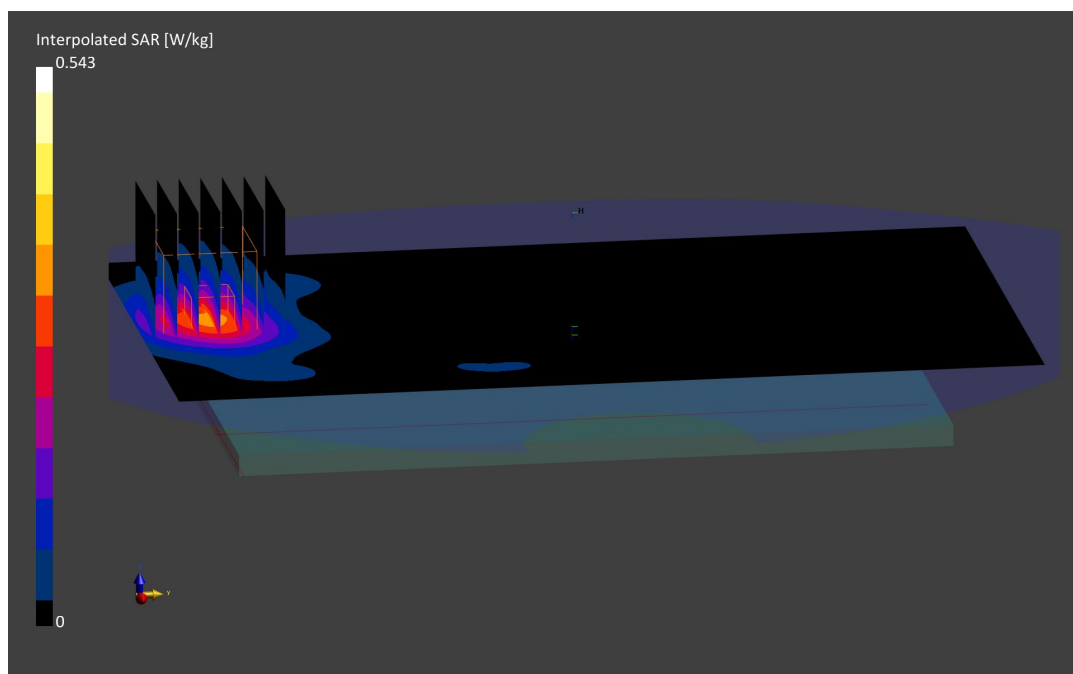
Reference Value = 0.37 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.283 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 = 80.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0424M

Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 3560.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3560.0 MHz; cond = 3.22 S/m; perm = 50.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/26/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7538; ConvF:(6.46,6.46,6.46); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: LTE Band 48, Open, Body SAR, Back Side, Low Ch

PCC: 20 MHz Bandwidth, QPSK, Ch. 55340, 50 RB, 50 RB Offset

SCC: 20 MHz Bandwidth, QPSK, Ch. 55538, 50 RB, 0 RB Offset

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

Zoom Scan (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

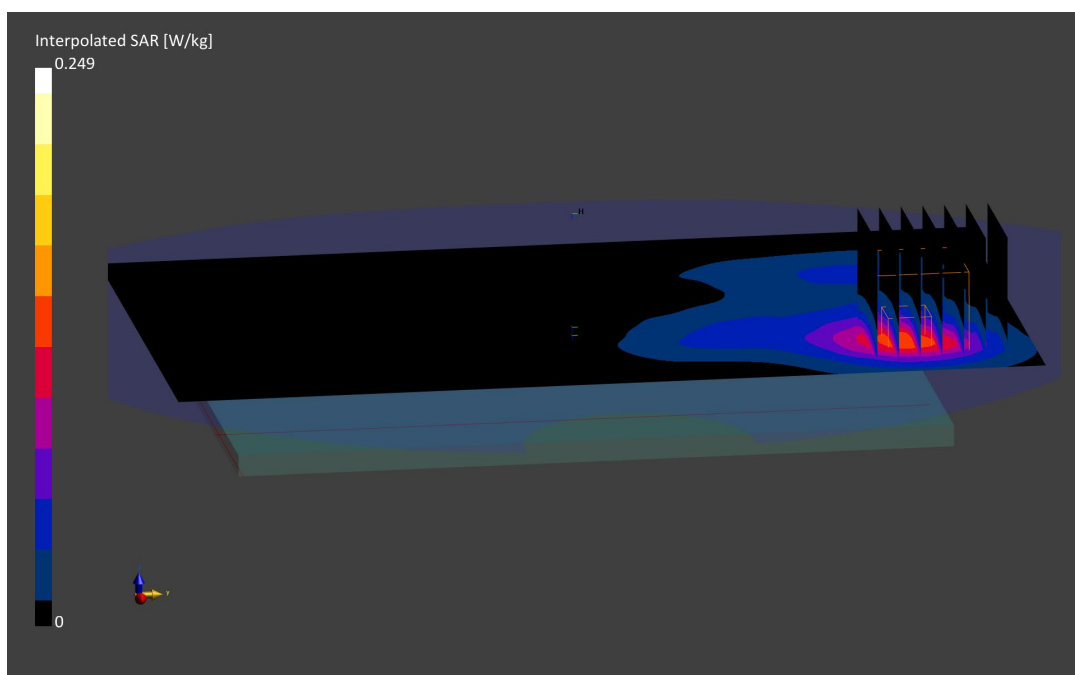
Reference Value = 0.15 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.110 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 = 77.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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

Medium: 750 Body; Medium parameters used:

f = 680.5 MHz; cond = 0.944 S/m; perm = 54.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/02/2022; Ambient Temp: 21.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7661; ConvF:(10.26,10.26,10.26); Calibrated: 2021-06-28

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

Electronics: DAE4 Sn1450; Calibrated: 2021-08-16

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

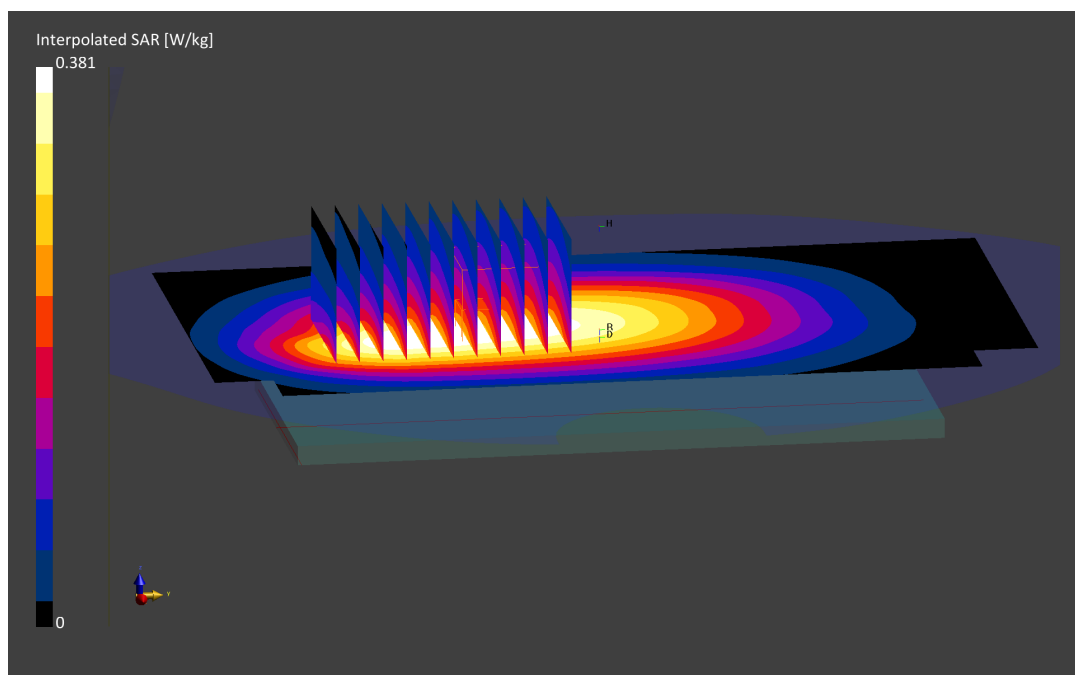
Reference Value = 0.21 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.243 W/kg

Smallest distance from peaks to all points 3 dB below is 25.5 mm

Ratio of SAR at M2 to SAR at M1 = 83.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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

Medium: 750 Body; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.954$ S/m; $\text{perm} = 54.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/02/2022; Ambient Temp: 21.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7661; ConvF:(10.26,10.26,10.26); Calibrated: 2021-06-28

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

Electronics: DAE4 Sn1450; Calibrated: 2021-08-16

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

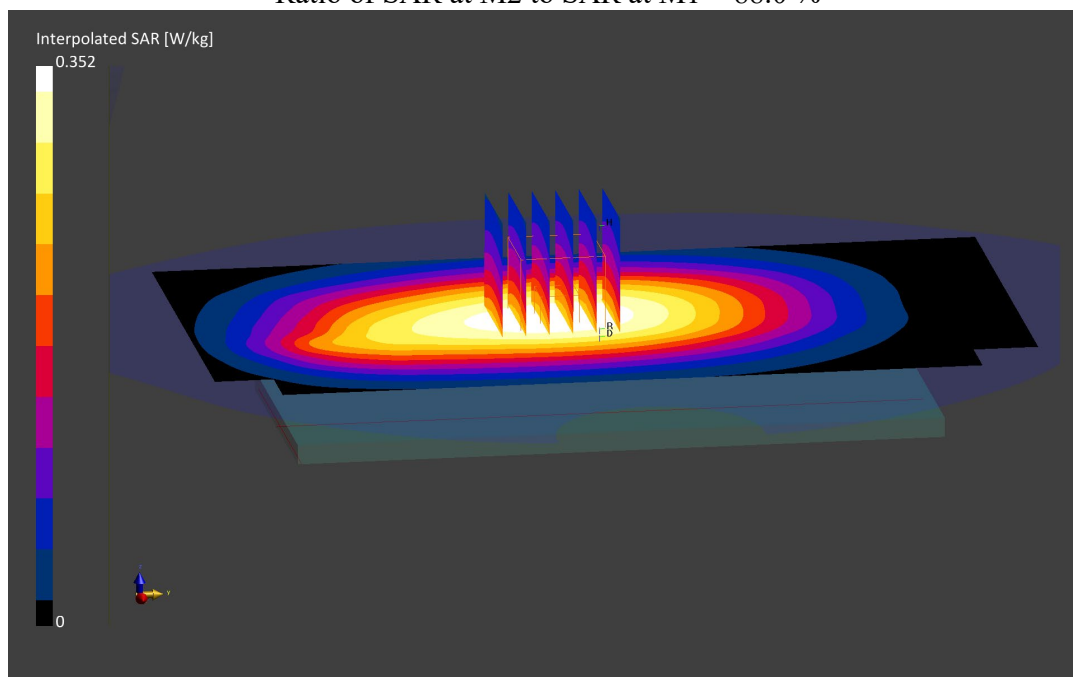
Reference Value = 0.22 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.251 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 88.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0416M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 836.5$ MHz; $\text{cond} = 0.943$ S/m; $\text{perm} = 55.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/23/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7571; ConvF:(9.87,9.87,9.87); 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 V16.0.2.136

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

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

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

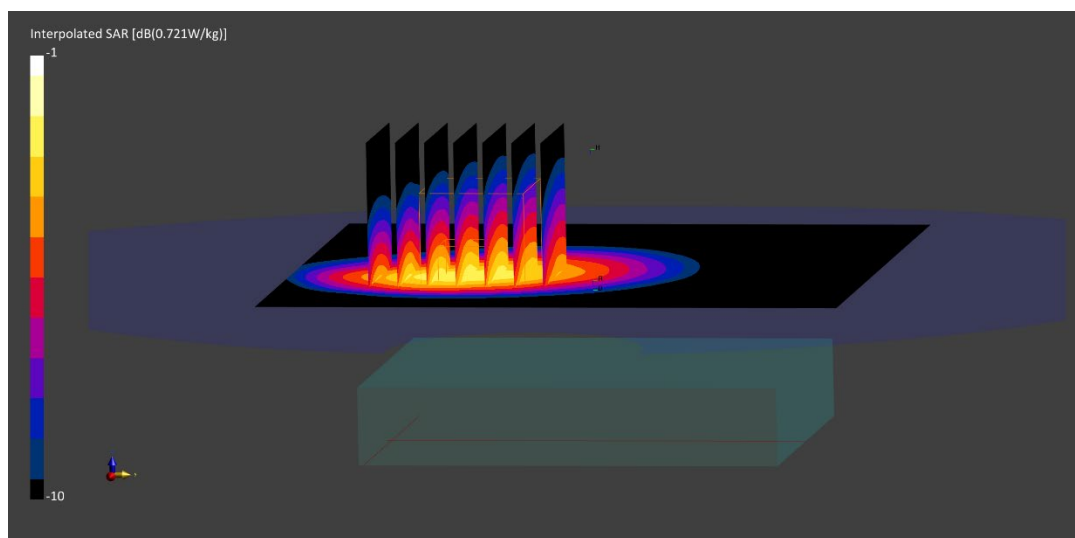
Reference Value = 0.39 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.356 W/kg

Smallest distance from peaks to all points 3 dB below is 19.7 mm

Ratio of SAR at M2 to SAR at M1 = 86.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0931M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.50 S/m; perm = 53.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/26/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.81,7.81,7.81); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n66, Antenna A, Open, Body SAR, Back Side, Ch. 349000
40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 214 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=3.9 mm, dy=3.9 mm, dz=1.5 mm; Graded Ratio: 1.5

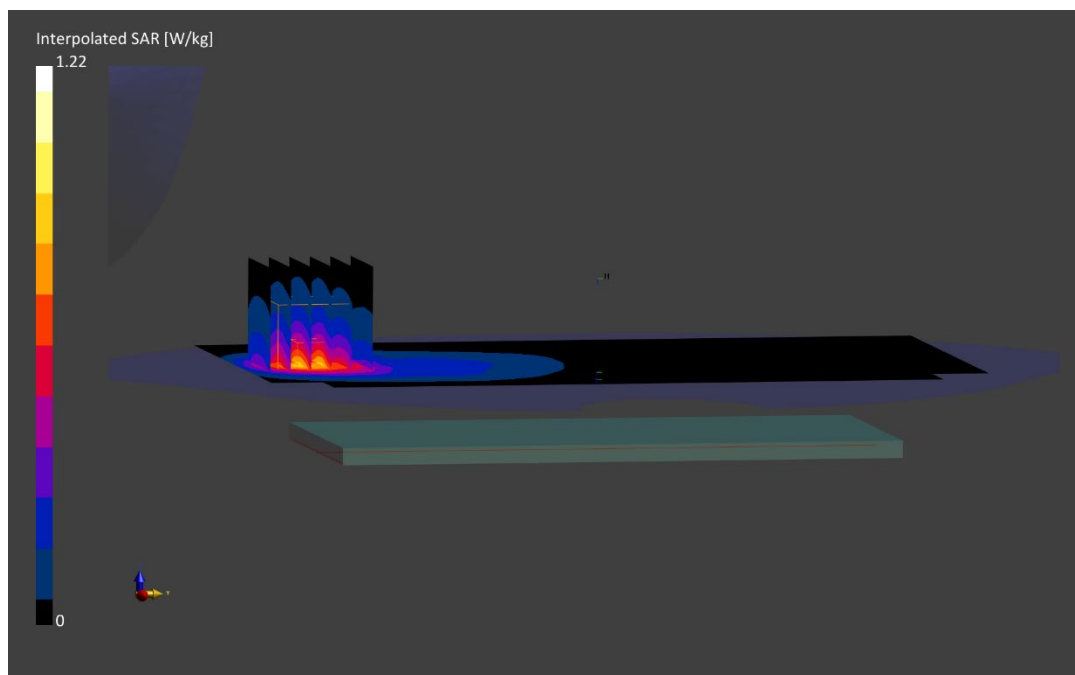
Reference Value = 0.70 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = W/kg

SAR(1 g) = 0.752 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 86.3%



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0931M

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; cond = 1.54 S/m; perm = 50.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/27/2022; Ambient Temp: 24.5°C; Tissue Temp: 24.1°C

Probe: EX3DV4 - SN7538; ConvF:(8.28,8.28,8.28); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: NR Band n25, Antenna A, Open, 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 (30.0 x 30.0 x 30.0): Measurement grid: dx=3.9 mm, dy=3.9 mm, dz=1.5 mm; Graded Ratio: 1.5

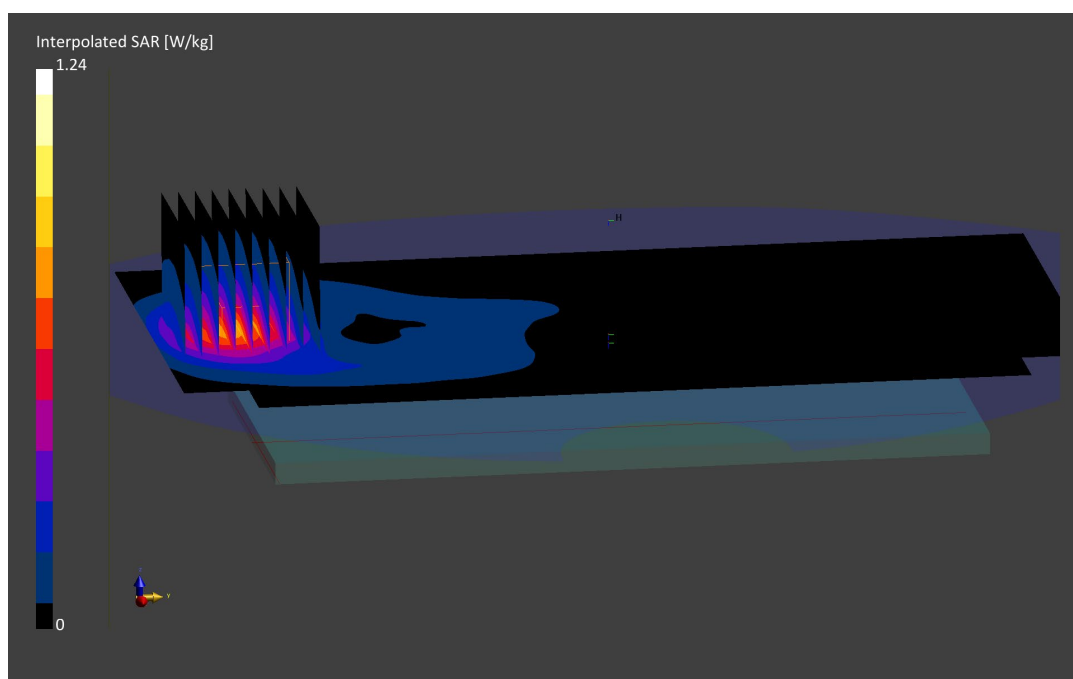
Reference Value = 0.87 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.712 W/kg

Smallest distance from peaks to all points 3 dB below is 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0646M

Communication System: UID:10929 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.81$ S/m; $\text{perm} = 52.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/15/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7409; ConvF:(7.46,7.46,7.46); Calibrated: 2021-06-21

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

Electronics: DAE4 Sn1334; Calibrated: 2021-06-15

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n30, Antenna B, Open, Body SAR, Back Side, Ch. 462000,
10 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 50 RB Offset**

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

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

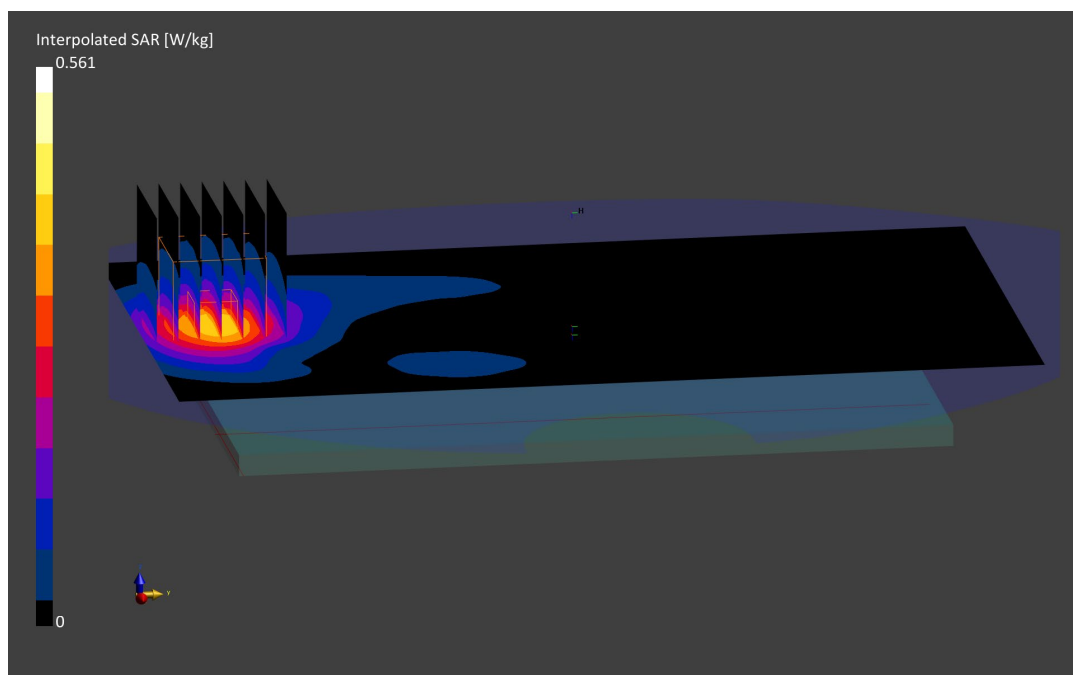
Reference Value = 0.31 W/kg; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.320 W/kg

Smallest distance from peaks to all points 3 dB below is 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 84.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

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

Medium: 2450 Body; Medium parameters used:

f = 2535.0 MHz; cond = 2.06 S/m; perm = 50.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n7, Antenna B, Open, 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

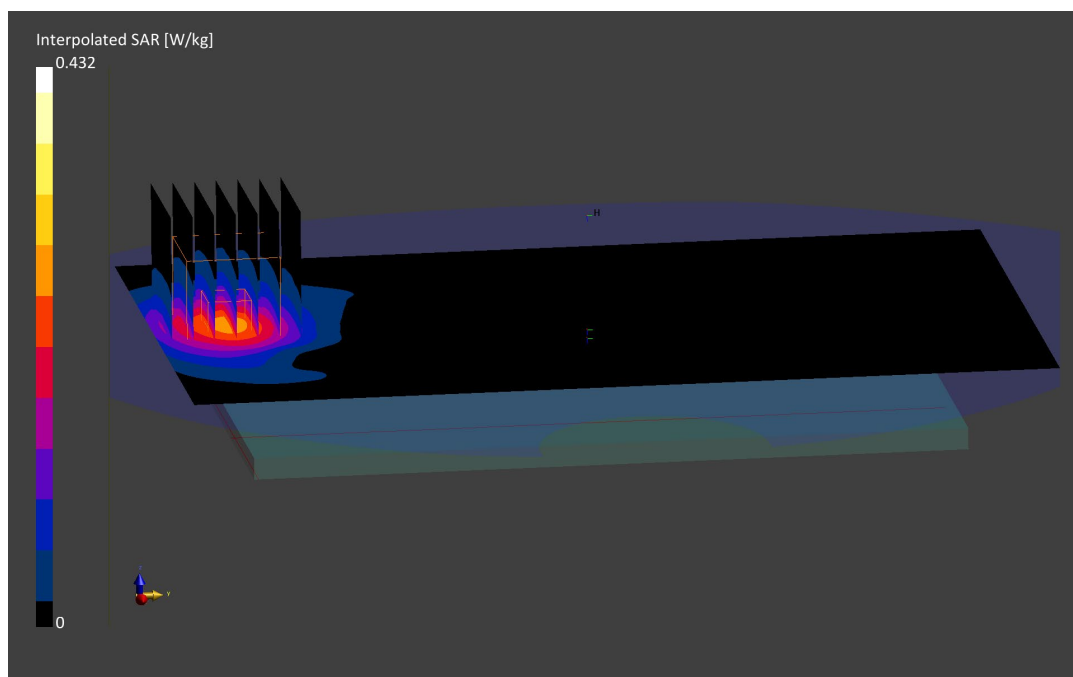
Reference Value = 0.26 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.227 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 = 79.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0649M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2593.0$ MHz; $\text{cond} = 2.14$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: NR Band n41, Antenna I, Open, Body SAR, Back Side, Ch. 518598
100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset

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

Zoom Scan (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

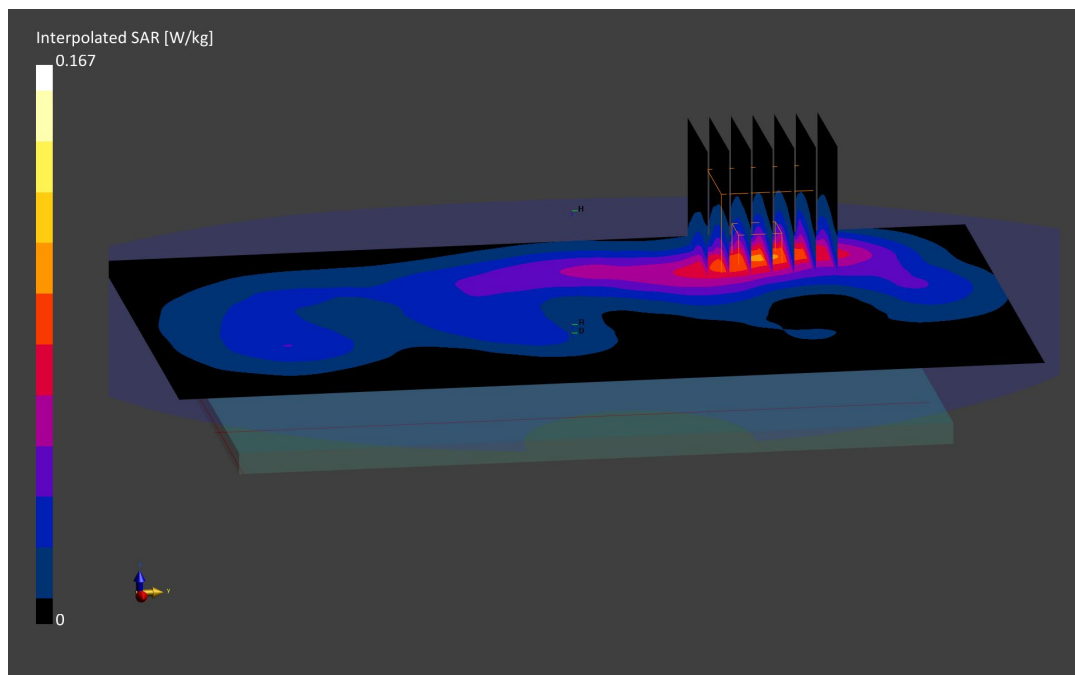
Reference Value = 0.09 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.080 W/kg

Smallest distance from peaks to all points 3 dB below is 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 76.6 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3570.0 MHz; cond = 3.24 S/m; perm = 50.2; density = 1000 kg/m3

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/23/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7538; ConvF:(6.46,6.46,6.46); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

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

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

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

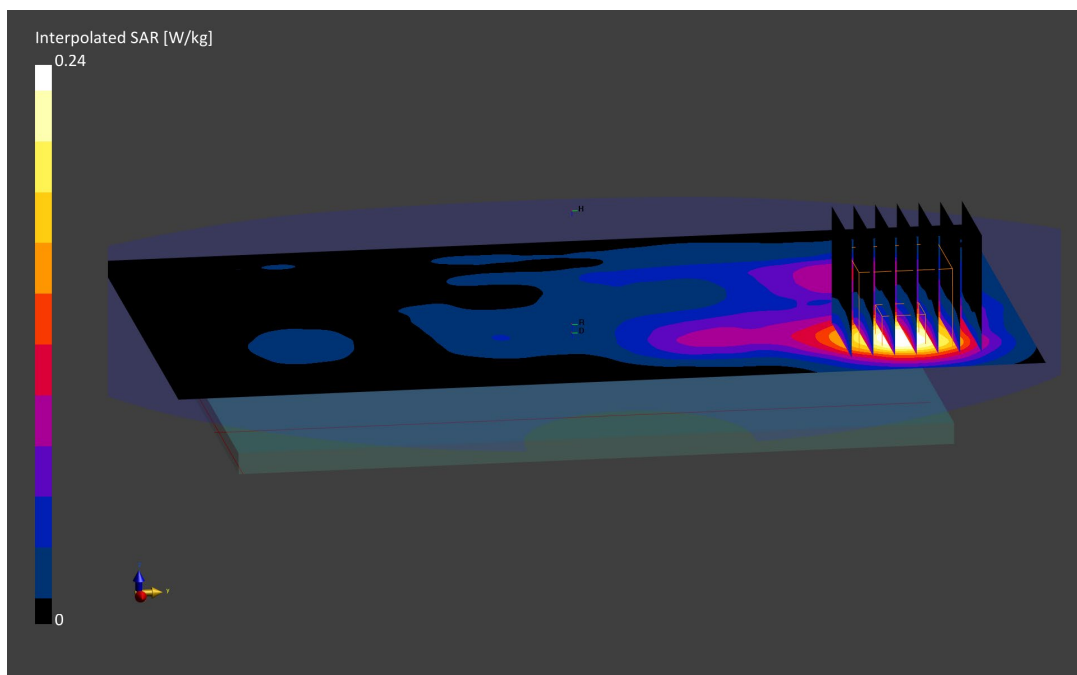
Reference Value = 0.14 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.105 W/kg

Smallest distance from peaks to all points 3 dB below is 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 76.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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; $\text{perm} = 49.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 21°C

Probe: EX3DV4 - SN7538; ConvF:(6.46,6.46,6.46); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: NR Band n77 DoD, Antenna F, Open, 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

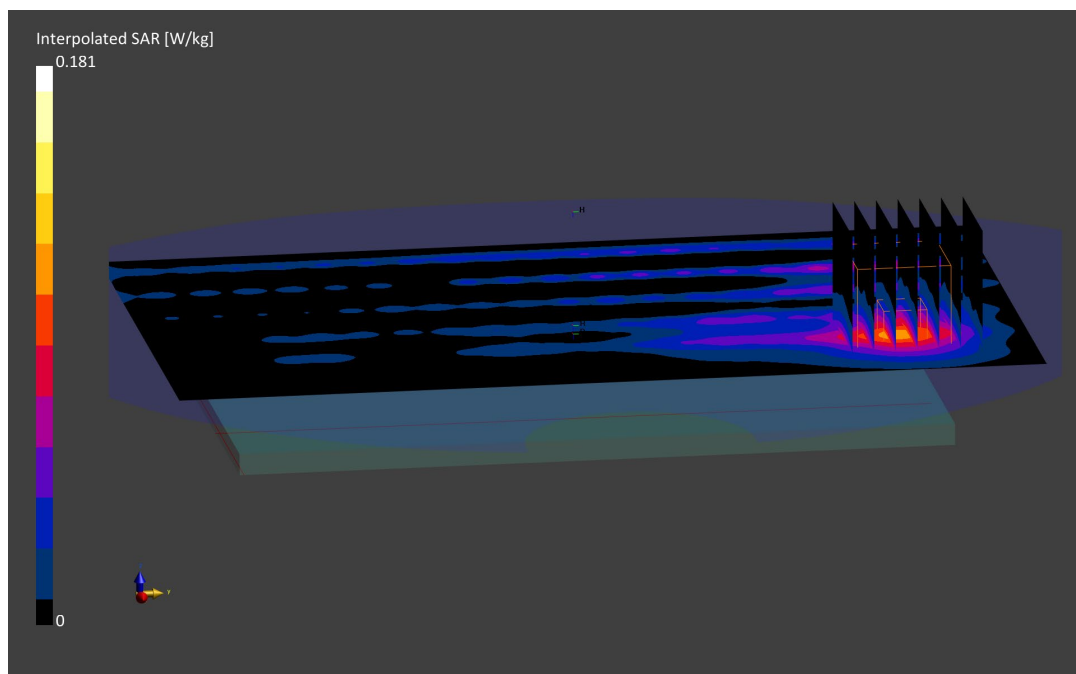
Reference Value = 0.11 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.081 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 = 78.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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; $\text{cond} = 3.54$ S/m; $\text{perm} = 49.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/15/2022; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7538; ConvF:(6.36,6.36,6.36); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: NR Band n77, Open, Body SAR, Back Side, Ch. 650000
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: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

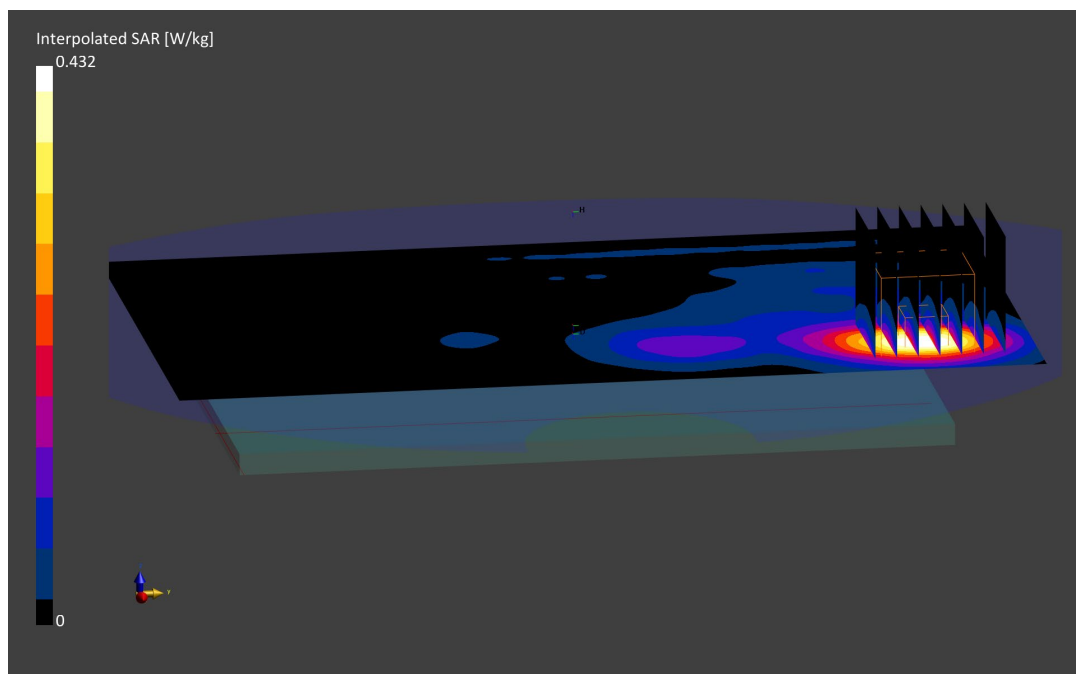
Reference Value = 0.26 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.183 W/kg

Smallest distance from peaks to all points 3 dB below is 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 76.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 1356M

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

Medium: 2450 Body; Medium parameters used:

f = 2437.0 MHz; cond = 2.01 S/m; perm = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/31/2022; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.66,7.66,7.66); 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 V16.0.2.136

Mode: IEEE 802.11b, Antenna 2, Open, Body SAR, Back Side
22 MHz Bandwidth, 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

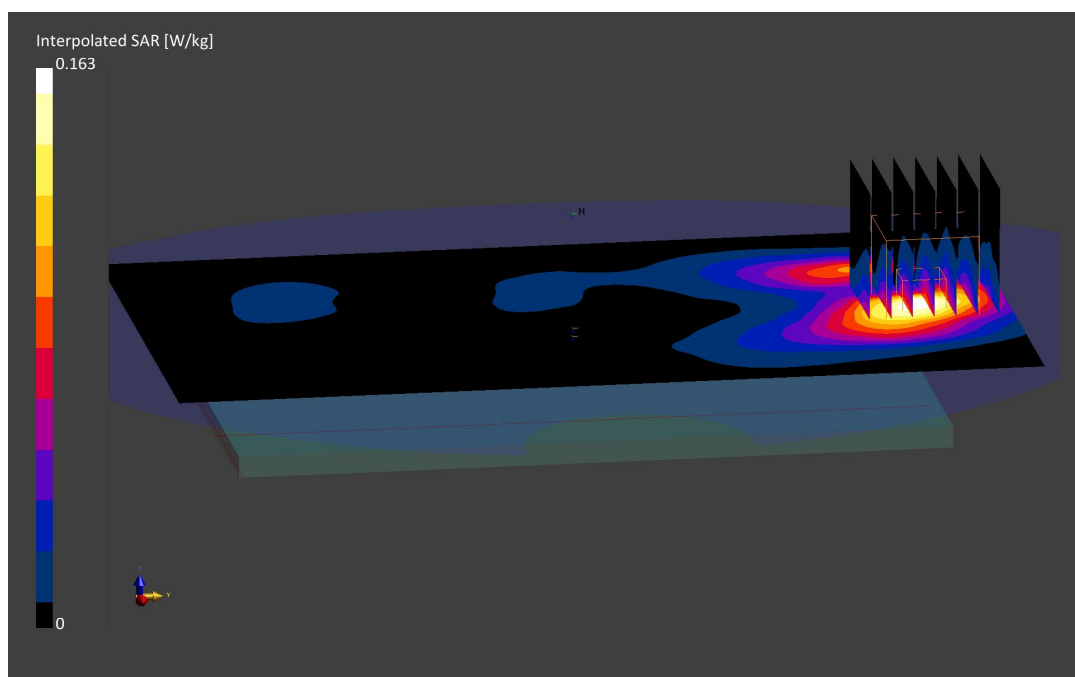
Reference Value = 0.08 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.081 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 = 79.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 1309M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5885.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5885.0 MHz; cond = 6.38 S/m; perm = 47.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/31/2022; Ambient Temp: 22.4°C; Tissue Temp: 21.5°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 V16.0.2.136

**Mode: IEEE 802.11n, MIMO, Open, Body SAR, Back Side,
20 MHz Bandwidth, UNII-4, Ch. 177, 27 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

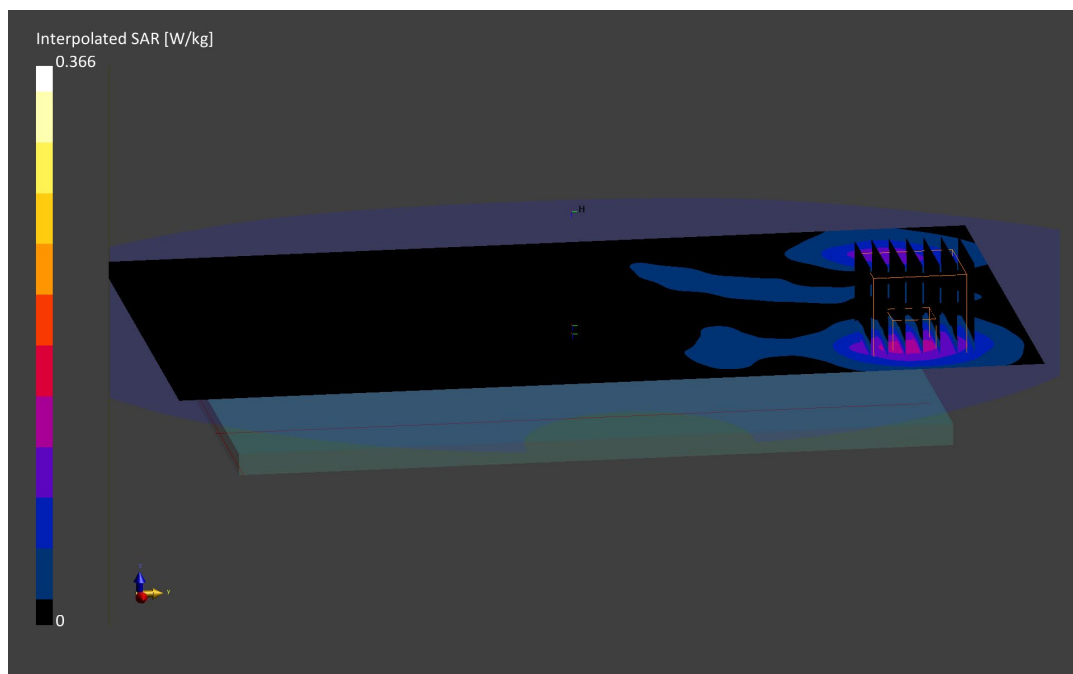
Reference Value = 0.05 W/kg; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = 0.106 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 = 61.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0664M

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; $\text{perm} = 51.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/26/2022; Ambient Temp: 19.9°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.66,7.66,7.66); 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 V16.0.2.136

Mode: Bluetooth, Antenna 2, Open, Body SAR, Back Side 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

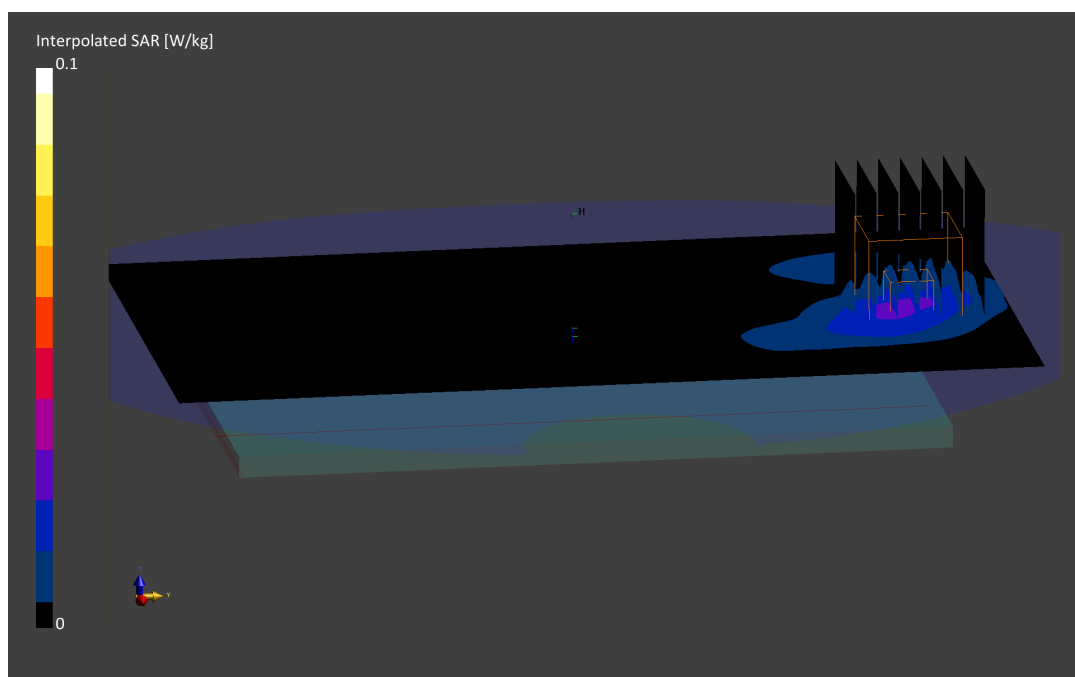
Reference Value = 0.02 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.043 W/kg

SAR(1 g) = 0.022 W/kg

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

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0921M

Communication System: UID 0, GSM GPRS; 4 Tx slots; Frequency: 824.2 MHz; Duty Cycle: 1:2.076
Medium: 835 Body; Medium parameters used (interpolated):
 $f = 824.2$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 54.589$; $\rho = 1000$ kg/m³
Phantom section: Flat Section; Space: 0.5 cm

Test Date: 05/02/2022; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7558; ConvF(10.14, 10.14, 10.14) @ 824.2 MHz; Calibrated: 9/17/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1364; Calibrated: 9/13/2021
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: GPRS 850, Closed, Body SAR, Back side, Low.ch, 4 Tx Slots

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

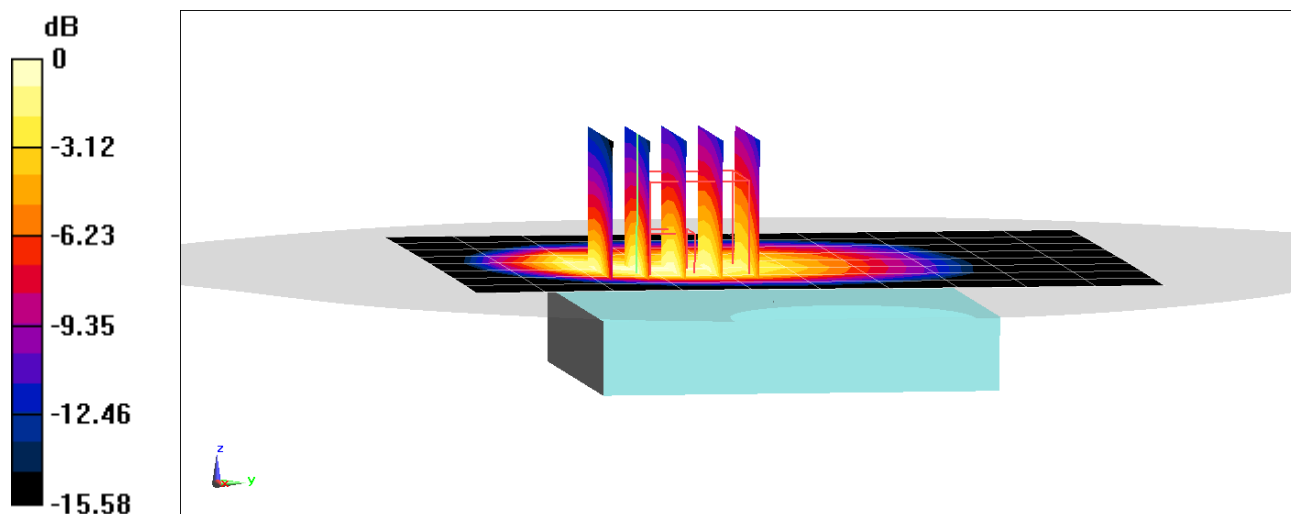
Reference Value = 23.72 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.948 W/kg

SAR(1 g) = 0.537 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 55.4%



0 dB = 0.766 W/kg = -1.16 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0932M

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.57 S/m; perm = 50.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/27/2022; Ambient Temp: 24.5°C; Tissue Temp: 24.1°C

Probe: EX3DV4 - SN7538; ConvF:(8.28,8.28,8.28); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

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

Area Scan (60.0 x 120.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

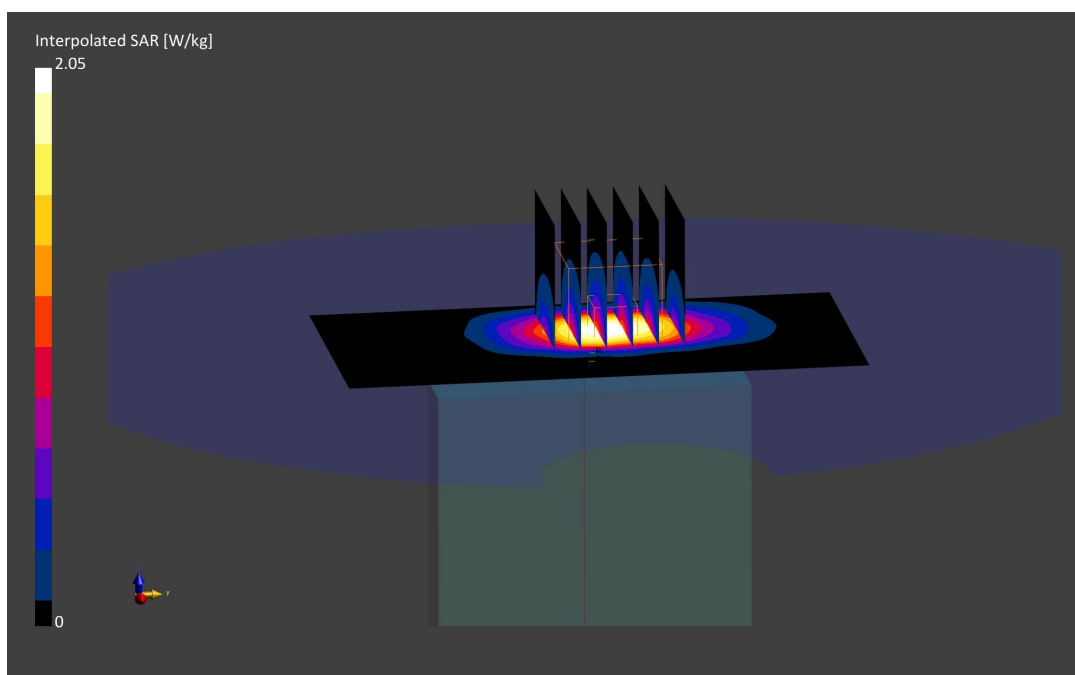
Reference Value = 1.35 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.04 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 = 80.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0921M

Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

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

$f = 846.6$ MHz; $\sigma = 0.978$ S/m; $\epsilon_r = 54.338$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 04/21/2022; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7558; ConvF(10.14, 10.14, 10.14) @ 846.6 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

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: UMTS 850, Closed, Body SAR, Back side, Mid.ch

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan 1 (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

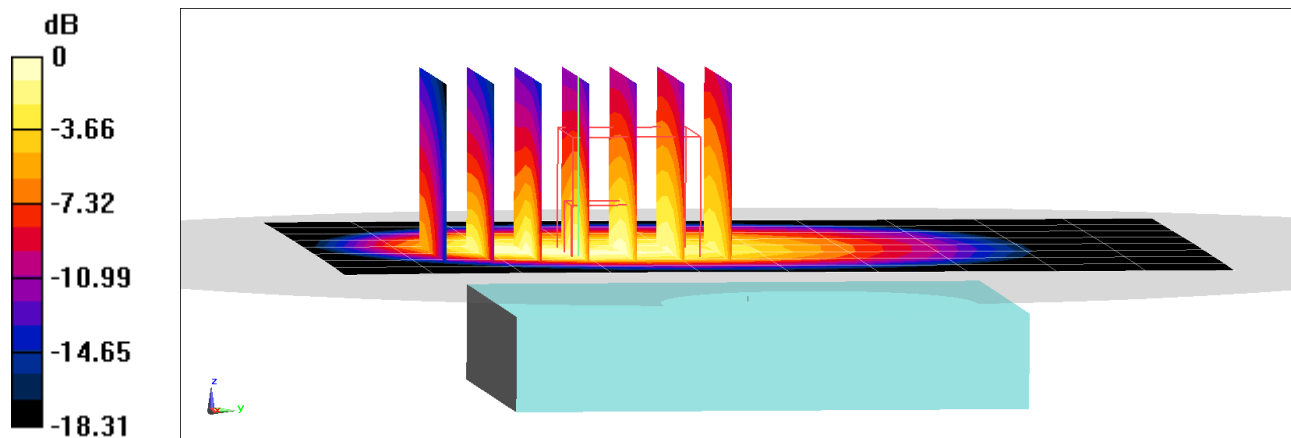
Reference Value = 28.70 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.888 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 58.8%



0 dB = 1.24 W/kg = 0.93 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0419M

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

Medium: 1750 Body; Medium parameters used:

f = 1752.6 MHz; cond = 1.53 S/m; perm = 51.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/18/2022; Ambient Temp: 21.3°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7670; ConvF:(8.36,8.36,8.36); Calibrated: 2021-08-05

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

Electronics: DAE4 Sn1681; Calibrated: 2021-08-03

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.0.2.136

Mode: UMTS 1750, Closed, 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=4.6 mm, dy=4.6 mm, dz=1.5 mm; Graded Ratio: 1.5

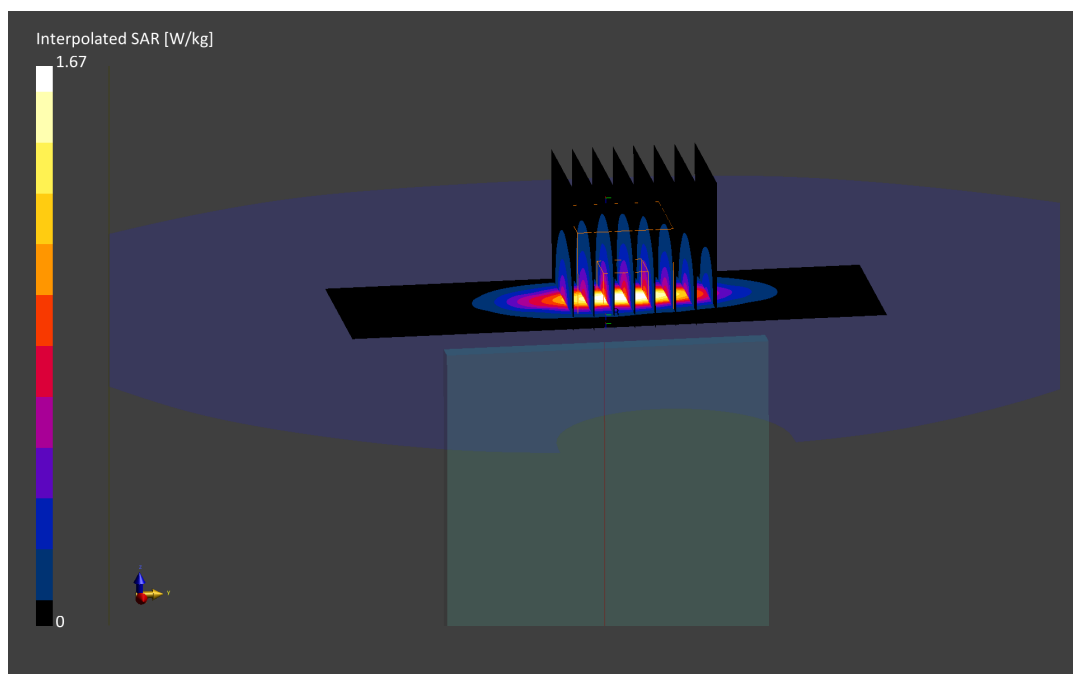
Reference Value = 0.79 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.818 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 79.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

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

Medium: 1900 Body; Medium parameters used:

f = 1852.4 MHz; cond = 1.50 S/m; perm = 52.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/23/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.66,7.66); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY Module SAR V16.0.2.83

Mode: UMTS 1900, Closed, Body SAR, Bottom Edge, Low Ch

Area Scan (60.0 x 120.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

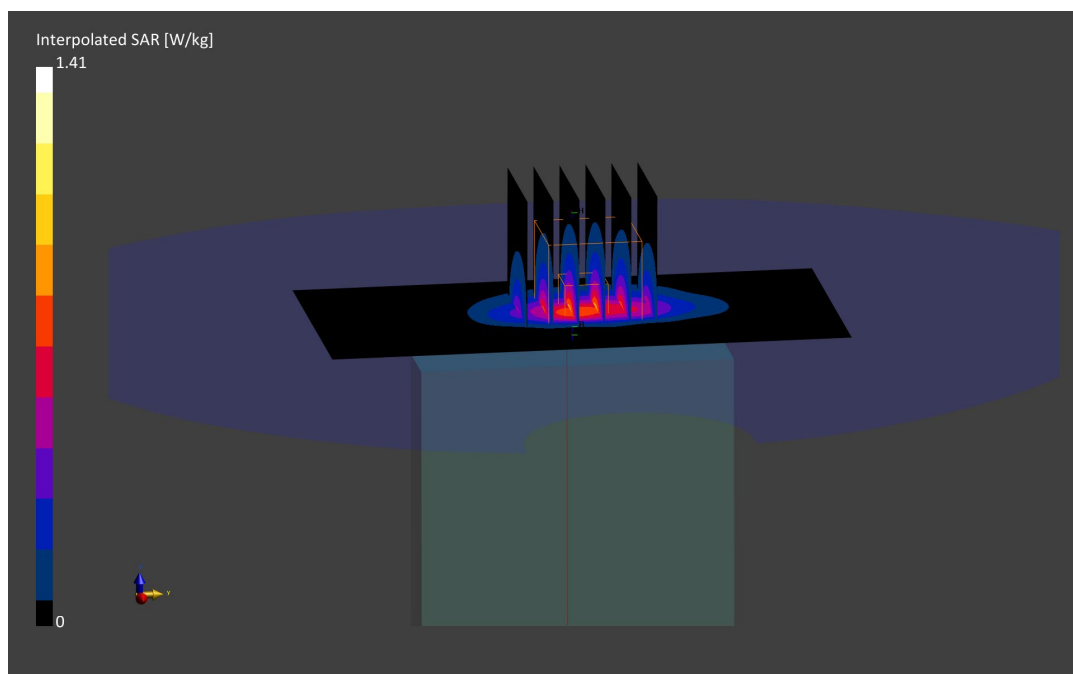
Reference Value = 0.70 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.743 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 = 80.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0277M

Communication System: UID 0, LTE Band 71; Frequency: 680.5 MHz; Duty Cycle: 1:1

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

$f = 680.5 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 55.159$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 05/09/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7637; ConvF(10.65, 10.65, 10.65) @ 680.5 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937

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

Mode: LTE Band 71, Closed, Body SAR, Back side, Mid.ch
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

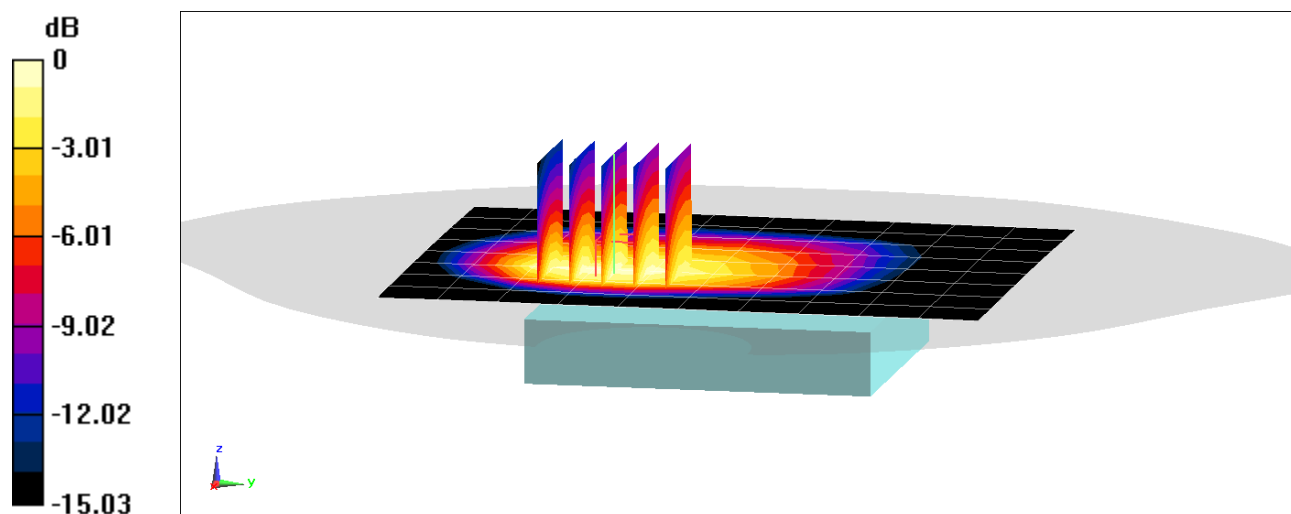
Reference Value = 22.79 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.727 W/kg

SAR(1 g) = 0.454 W/kg

Smallest distance from peaks to all points 3 dB below = 14.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%



0 dB = 0.622 W/kg = -2.06 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0277M

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: 750 Body; Medium parameters used (interpolated):
 $f = 707.5 \text{ MHz}$; $\sigma = 0.935 \text{ S/m}$; $\epsilon_r = 55.105$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section; Space: 0.5 cm

Test Date: 05/09/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7637; ConvF(10.65, 10.65, 10.65) @ 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 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

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

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

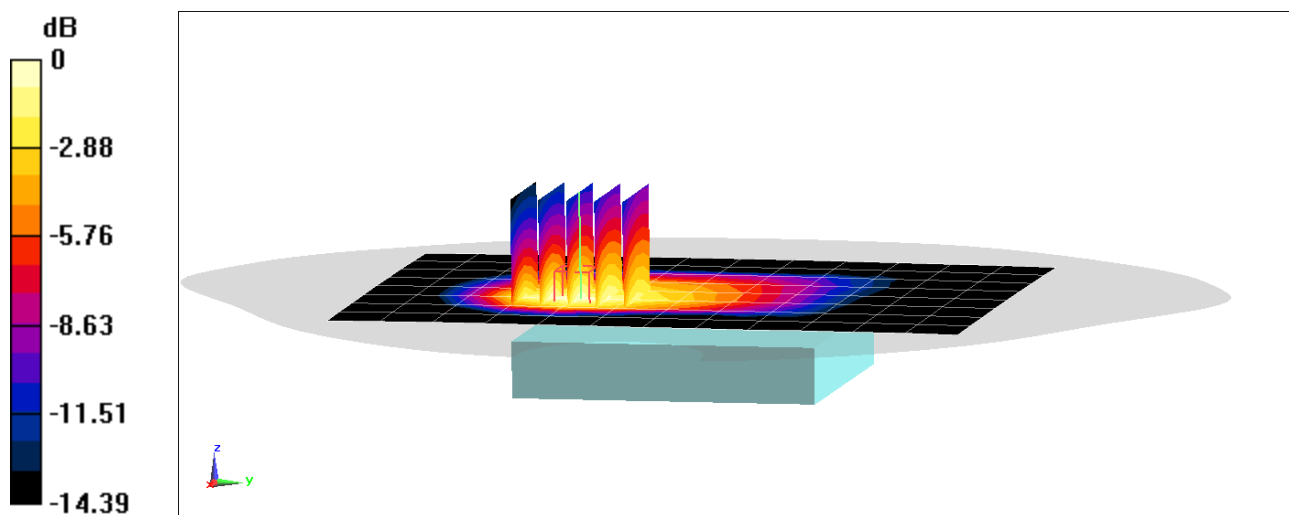
Reference Value = 19.82 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.593 W/kg

SAR(1 g) = 0.347 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 61.4%



0 dB = 0.484 W/kg = -3.15 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0277M

Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 750 Body; Medium parameters used (interpolated):
 $f = 782 \text{ MHz}$; $\sigma = 0.964 \text{ S/m}$; $\epsilon_r = 54.986$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section; Space: 0.5 cm

Test Date: 05/09/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7637; ConvF(10.65, 10.65, 10.65) @ 782 MHz; Calibrated: 3/22/2022
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/14/2022
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

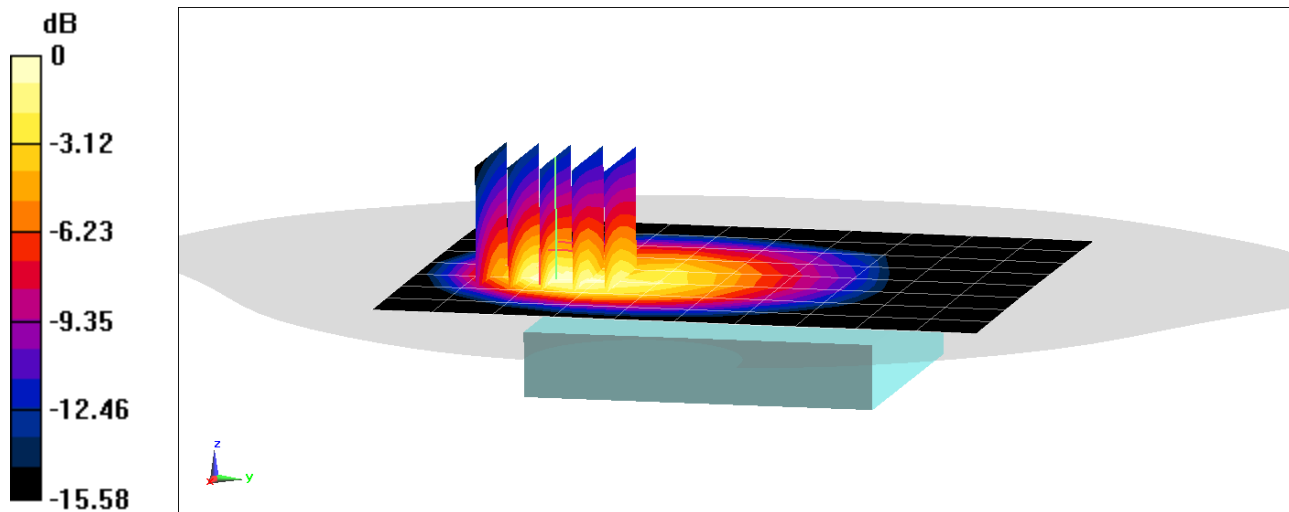
Reference Value = 24.31 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.995 W/kg

SAR(1 g) = 0.526 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

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



0 dB = 0.816 W/kg = -0.88 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0914M

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

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

$f = 793 \text{ MHz}$; $\sigma = 0.969 \text{ S/m}$; $\epsilon_r = 54.959$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 05/09/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7637; ConvF(10.65, 10.65, 10.65) @ 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 (30); Type: QD 000 P41 AA; Serial: 1937

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

Mode: LTE Band 14, Closed, Body SAR, Back side, Mid.ch
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

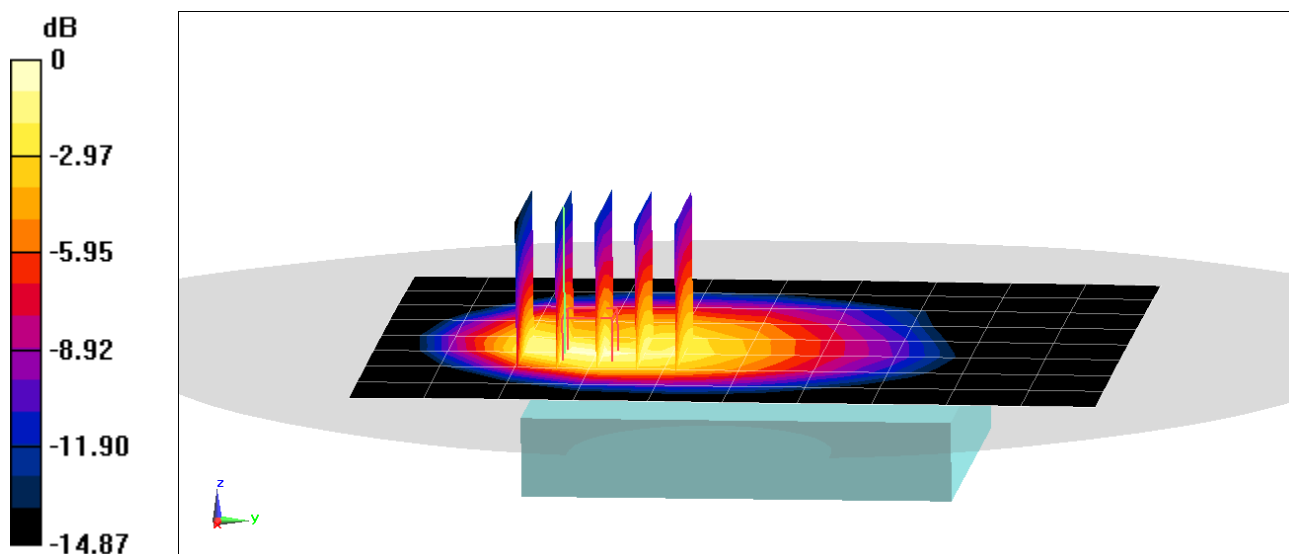
Reference Value = 25.21 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.594 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0277M

Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

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

$f = 831.5$ MHz; $\sigma = 1.017$ S/m; $\epsilon_r = 53.434$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 05/11/2022; Ambient Temp: 20.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7491; ConvF(10.17, 10.17, 10.17) @ 831.5 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/15/2021

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

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

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

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

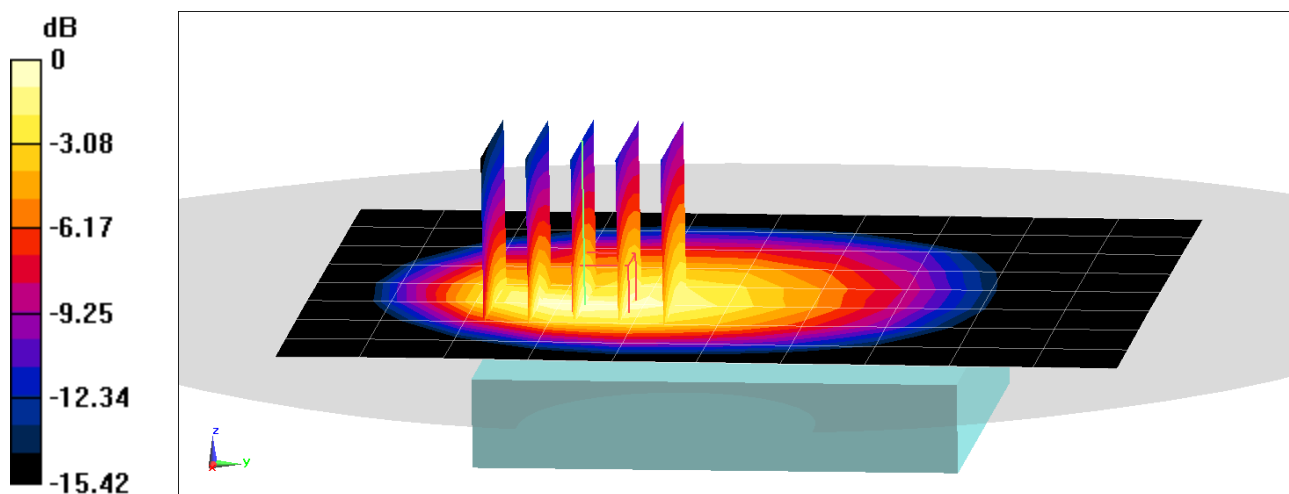
Reference Value = 25.58 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.629 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 59.4%



0 dB = 0.891 W/kg = -0.50 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0229M

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; $\sigma = 1.014$ S/m; $\epsilon_r = 53.985$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 05/17/2022; Ambient Temp: 21.7°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7558; ConvF(10.14, 10.14, 10.14) @ 836.5 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

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.), Closed, Body SAR, Back side, Mid.ch
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

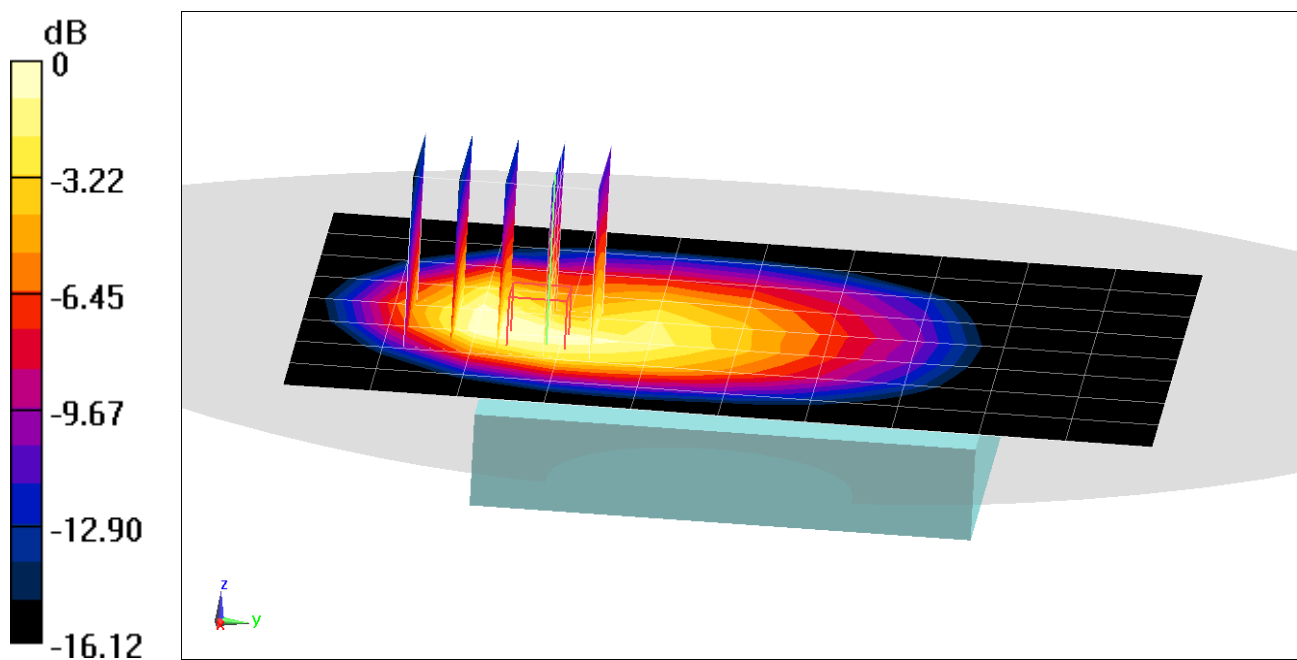
Reference Value = 26.05 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.694 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%



0 dB = 1.03 W/kg = 0.13 dBW/kg

ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0935M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1745.0$ MHz; $\text{cond} = 1.50$ S/m; $\text{perm} = 52.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/28/2022; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.81,7.81,7.81); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: LTE Band 66 (AWS), Closed, Body SAR, Bottom Edge, Mid.Ch
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

Area Scan (50.0 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

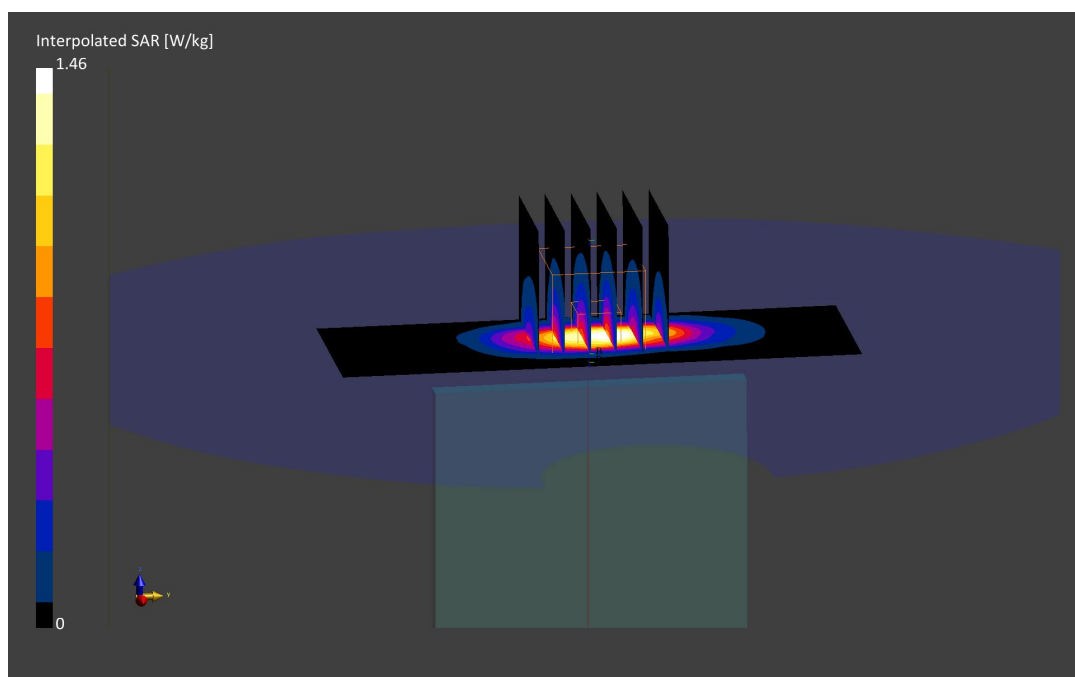
Reference Value = 0.69 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.758 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 = 82.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0416M

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

Medium: 1900 Body; Medium parameters used:

$f = 1860.0$ MHz; $\text{cond} = 1.53$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/16/2022; Ambient Temp: 24.7°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.66,7.66); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: LTE Band 25, Closed, Body SAR, Bottom edge, Low Ch
20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset**

Area Scan (50.0 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

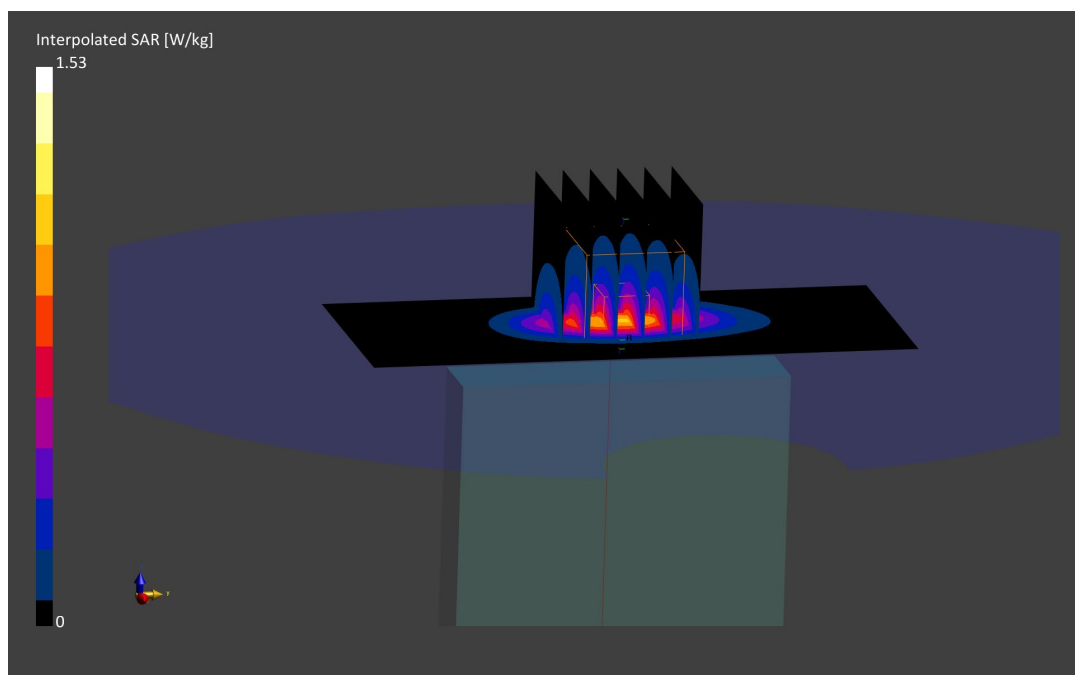
Reference Value = 0.75 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.789 W/kg

Smallest distance from peaks to all points 3 dB below is 7.3 mm

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0419M

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

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 50.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/05/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7417; ConvF:(7.6,7.6,7.6); 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 V16.0.2.136

Mode: LTE Band 30, Closed, Body SAR, Bottom Edge, Mid Ch
10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.2$ mm, $dy=3.2$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

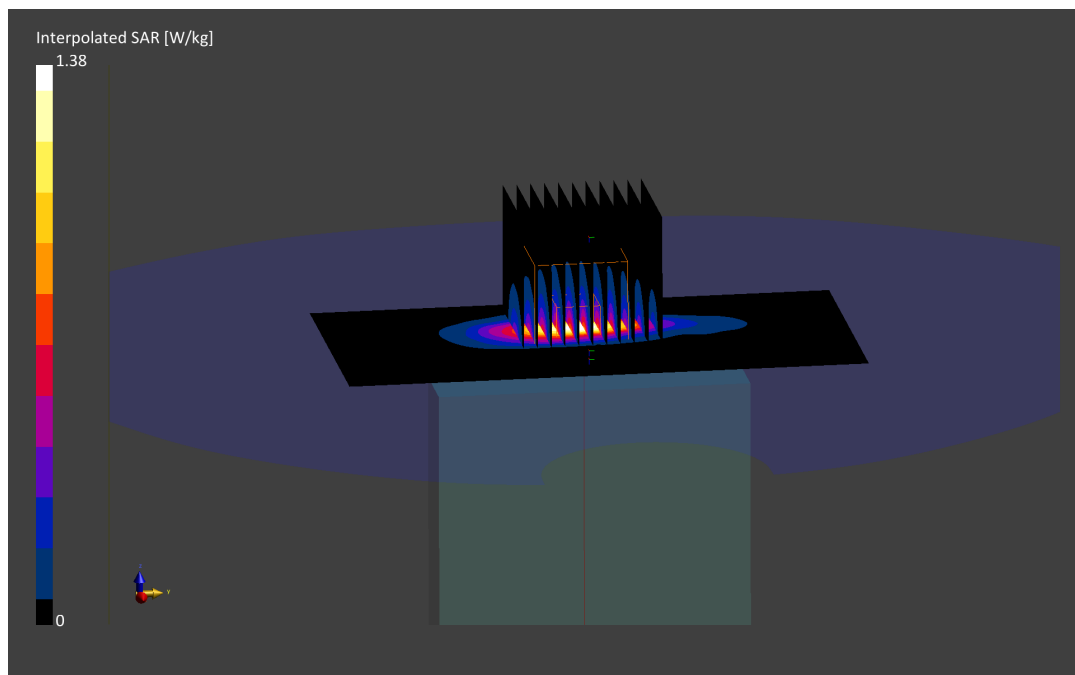
Reference Value = 0.73 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.604 W/kg

Smallest distance from peaks to all points 3 dB below is 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 79.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

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

Medium: 2450 Body; Medium parameters used:

f = 2560.0 MHz; cond = 2.09 S/m; perm = 50.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/07/2022; Ambient Temp: 24.0°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.4,7.4,7.4); Calibrated: 2022-02-22

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: LTE Band 7, Closed, Body SAR, Bottom Edge, High Ch
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.2 mm, dy=3.2 mm, dz=1.5 mm; Graded Ratio: 1.5

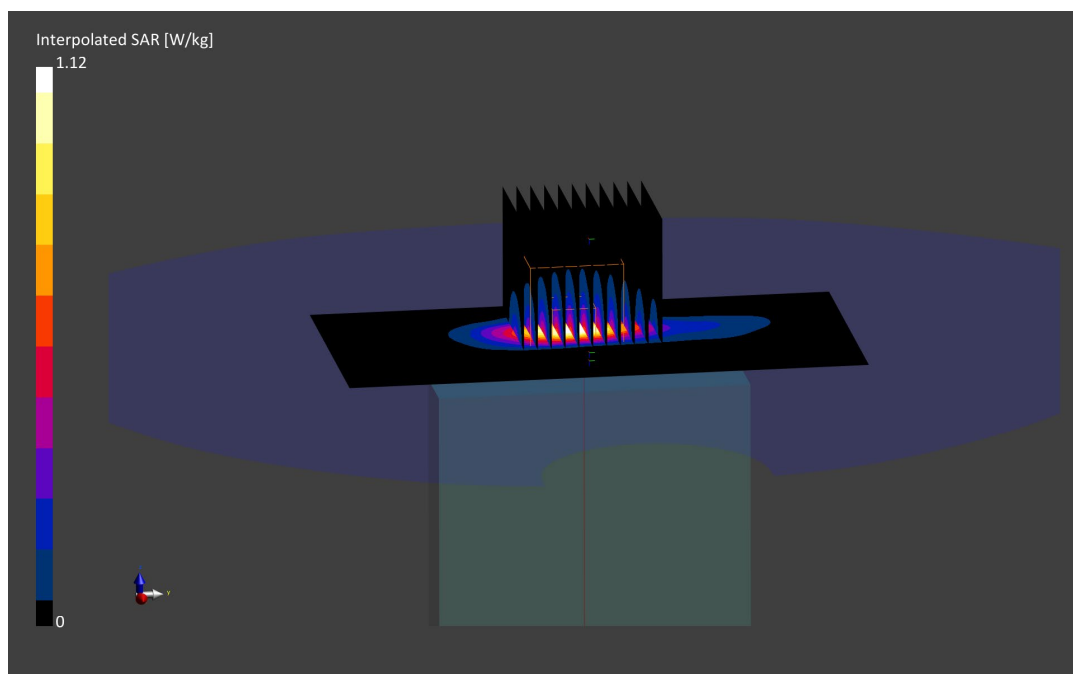
Reference Value = 0.54 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.475 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 = 77.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0424M

Communication System: UID:10172 - CAG, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.14 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/01/2022; Ambient Temp: 22.5°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.4,7.4,7.4); Calibrated: 2022-02-22

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: LTE Band 41 HPUE, Closed, Body SAR, Bottom Edge, Mid Ch
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset

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

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

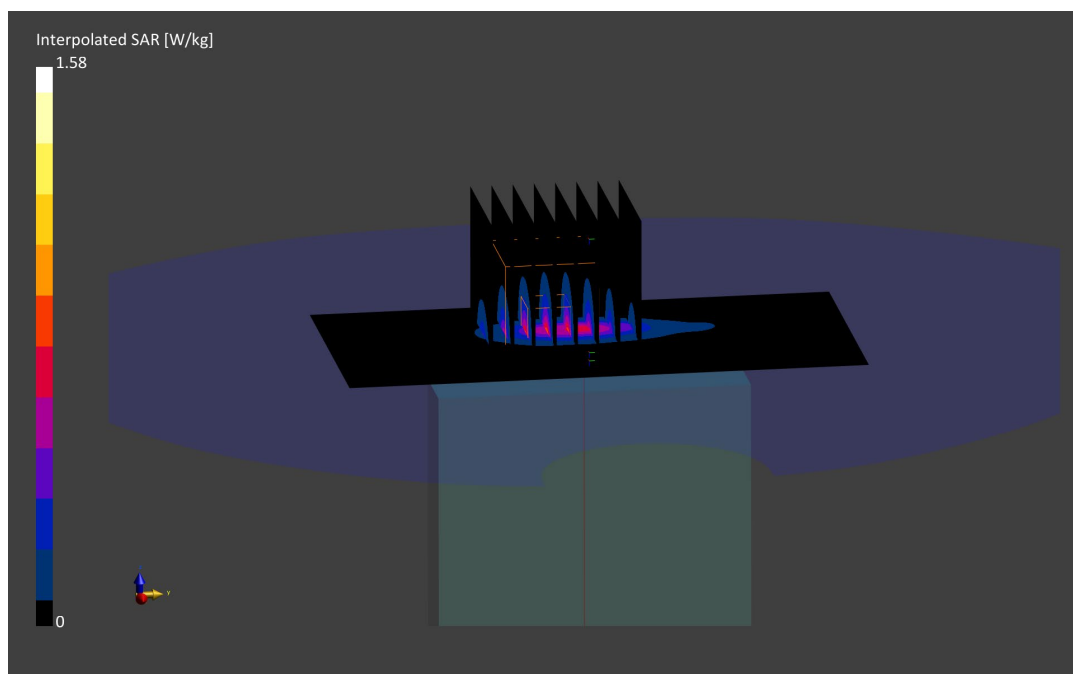
Reference Value = 0.88 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.636 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 = 75.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0424M

Communication System: UID:10512 - AAF, LTE-TDD; MAIA: Y; Frequency: 3690.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3690.0 MHz; cond = 3.47 S/m; perm = 49.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/15/2022; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7538; ConvF:(6.36,6.36,6.36); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: LTE Band 48, Closed, Body SAR, Left Edge, High Ch
20 MHz Bandwidth, QPSK, 100 RB, 0 RB Offset

Area Scan (50.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

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

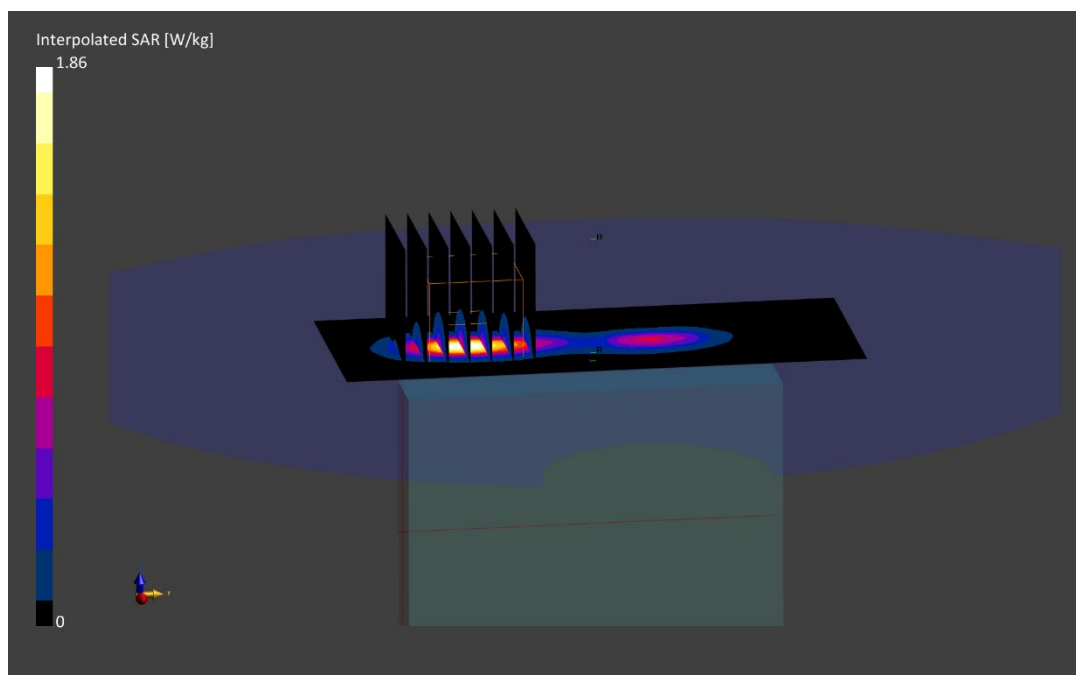
Reference Value = 1.00 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.638 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 = 73.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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

Medium: 750 Body; Medium parameters used:

f = 680.5 MHz; cond = 0.944 S/m; perm = 54.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/02/2022; Ambient Temp: 21.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7661; ConvF:(10.26,10.26,10.26); Calibrated: 2021-06-28

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

Electronics: DAE4 Sn1450; Calibrated: 2021-08-16

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

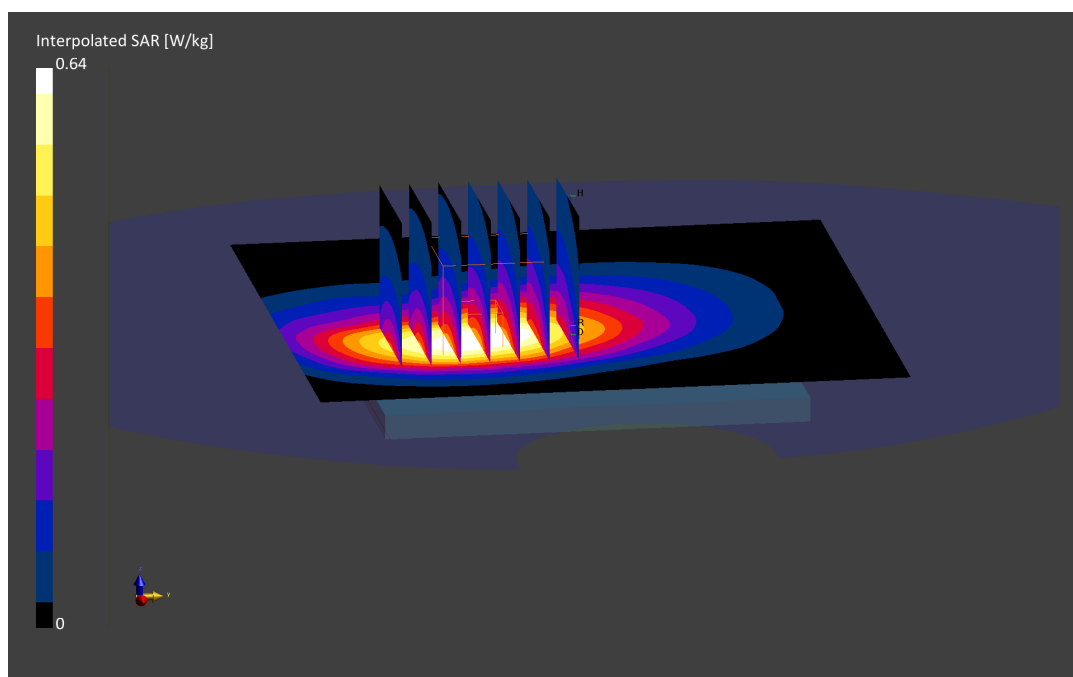
Reference Value = 0.32 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.640 W/kg

SAR(1 g) = 0.383 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 = 83.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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

Medium: 750 Body; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.954$ S/m; $\text{perm} = 54.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/02/2022; Ambient Temp: 21.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7661; ConvF:(10.26,10.26,10.26); Calibrated: 2021-06-28

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

Electronics: DAE4 Sn1450; Calibrated: 2021-08-16

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n12, Closed, Body SAR, Back Side, Ch. 141500
15 MHz Bandwidth, DFT-s-OFDM QPSK, 36 RB, 0 RB Offset

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

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

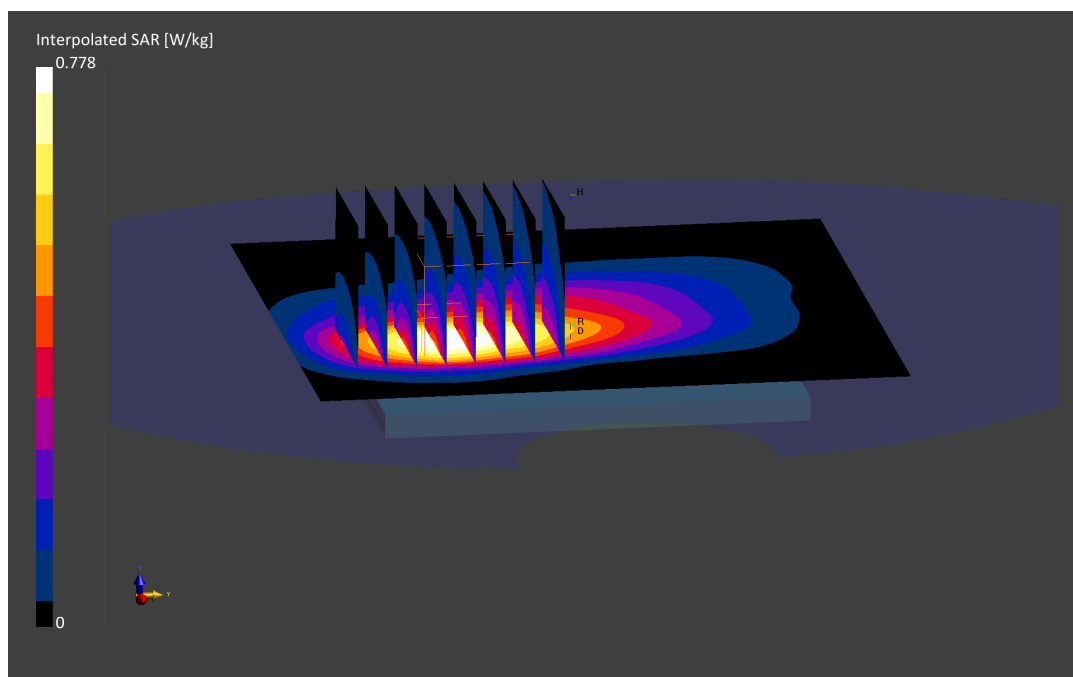
Reference Value = 0.34 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.413 W/kg

Smallest distance from peaks to all points 3 dB below is 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 80.6 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0416M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 836.5$ MHz; $\text{cond} = 0.943$ S/m; $\text{perm} = 55.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/23/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7571; ConvF:(9.87,9.87,9.87); 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 V16.0.2.136

Mode: NR Band n5, Closed, Body SAR, Back Side, Ch. 167300
20 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 0 RB Offset

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

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

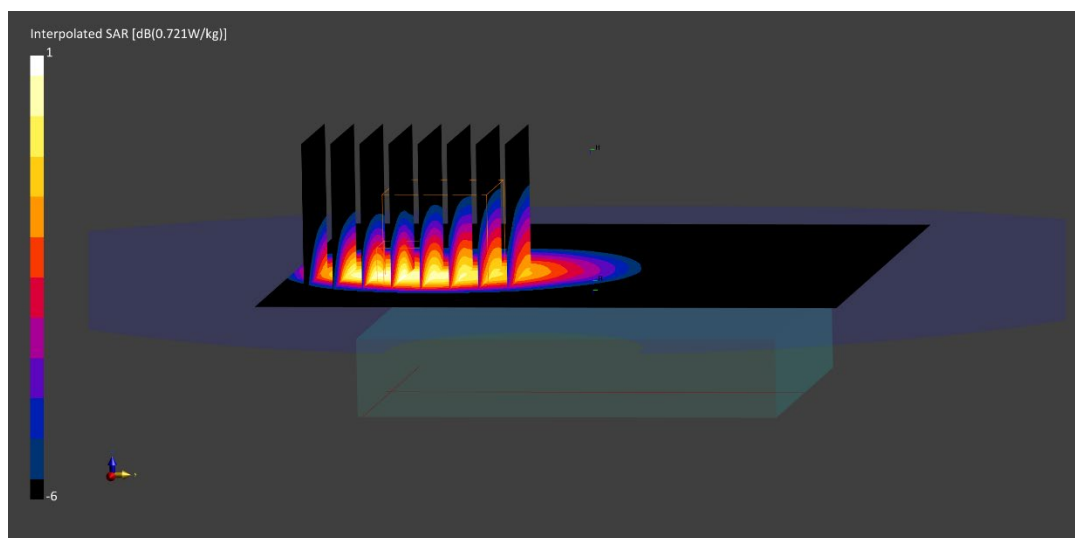
Reference Value = 0.71 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.704 W/kg

Smallest distance from peaks to all points 3 dB below is 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 79.9 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0931M

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

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.50 S/m; perm = 53.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/26/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.81,7.81,7.81); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n66, Antenna A, Closed, 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=5.8 mm, dy=5.8 mm, dz=1.5 mm; Graded Ratio: 1.5

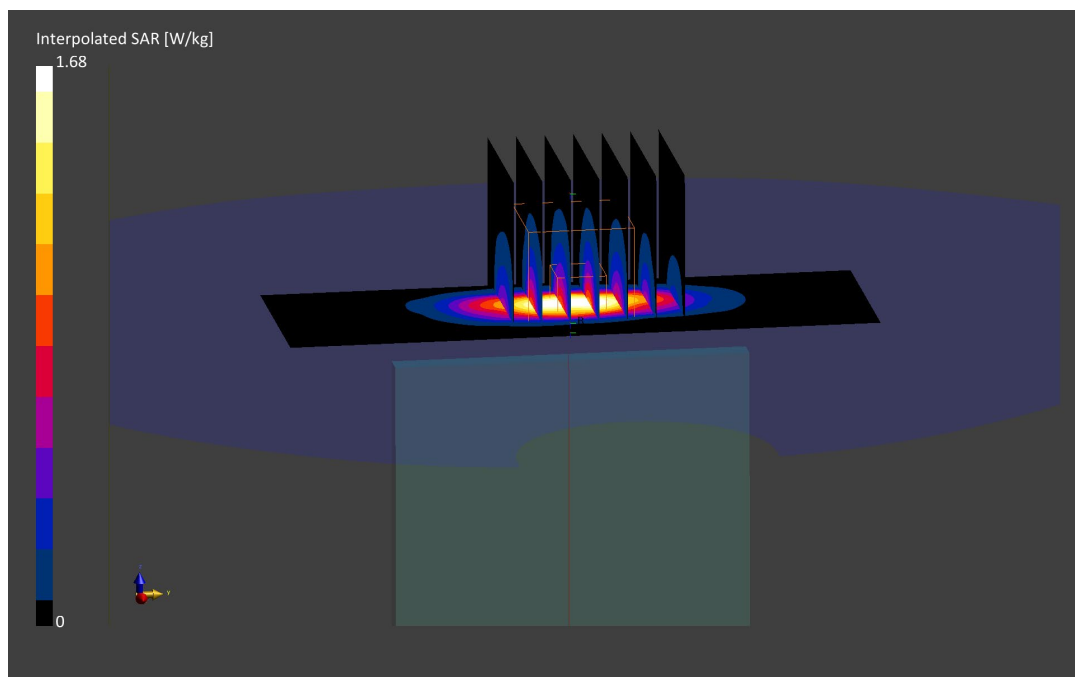
Reference Value = 0.76 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.846 W/kg

Smallest distance from peaks to all points 3 dB below is 7.8 mm

Ratio of SAR at M2 to SAR at M1 = 81.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0636M

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; $\text{cond} = 1.54$ S/m; $\text{perm} = 53.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/18/2022; Ambient Temp: 24.0°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.66,7.66); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY Module SAR V16.0.2.83

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

Area Scan (50.0 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: $dx=4.8$ mm, $dy=4.8$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

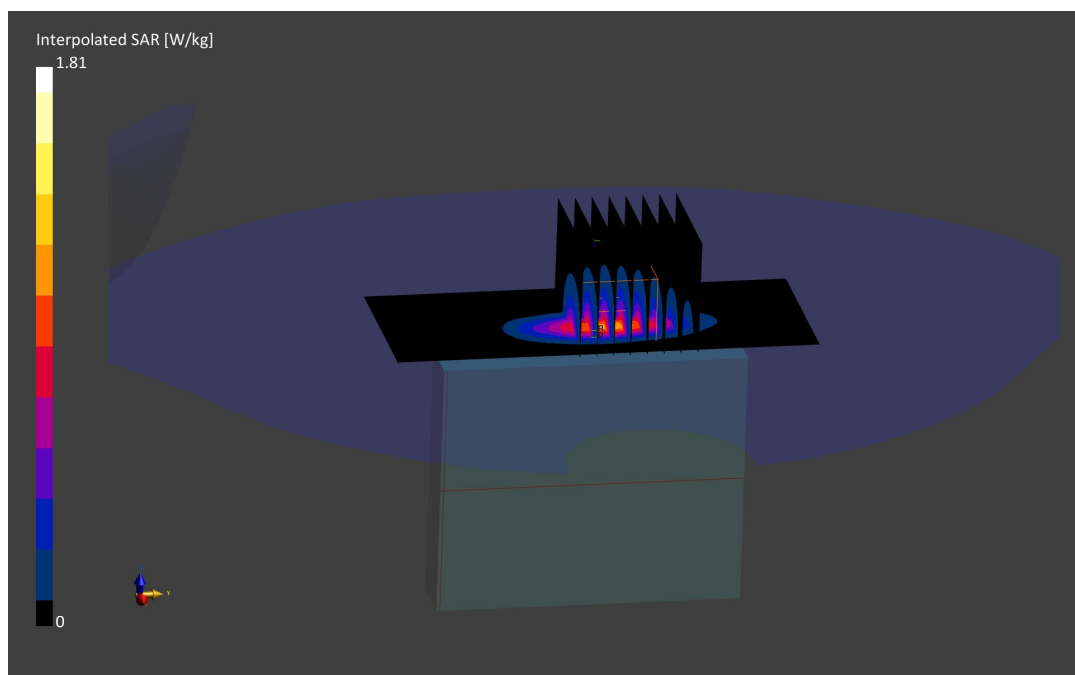
Reference Value = 0.73 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.862 W/kg

Smallest distance from peaks to all points 3 dB below is 6.7 mm

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0646M

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

Medium: 2450 Body; Medium parameters used:

f = 2310.0 MHz; cond = 1.81 S/m; perm = 52.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/15/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7409; ConvF:(7.46,7.46,7.46); Calibrated: 2021-06-21

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

Electronics: DAE4 Sn1334; Calibrated: 2021-06-15

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V16.0.0.116

Mode: NR Band n30, Antenna B, Closed, Body SAR, Bottom Edge, Ch. 462000
10 MHz Bandwidth, DFT-s-OFDM QPSK, 25 RB, 14 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=3.5 mm, dy=3.5 mm, dz=1.5 mm; Graded Ratio: 1.5

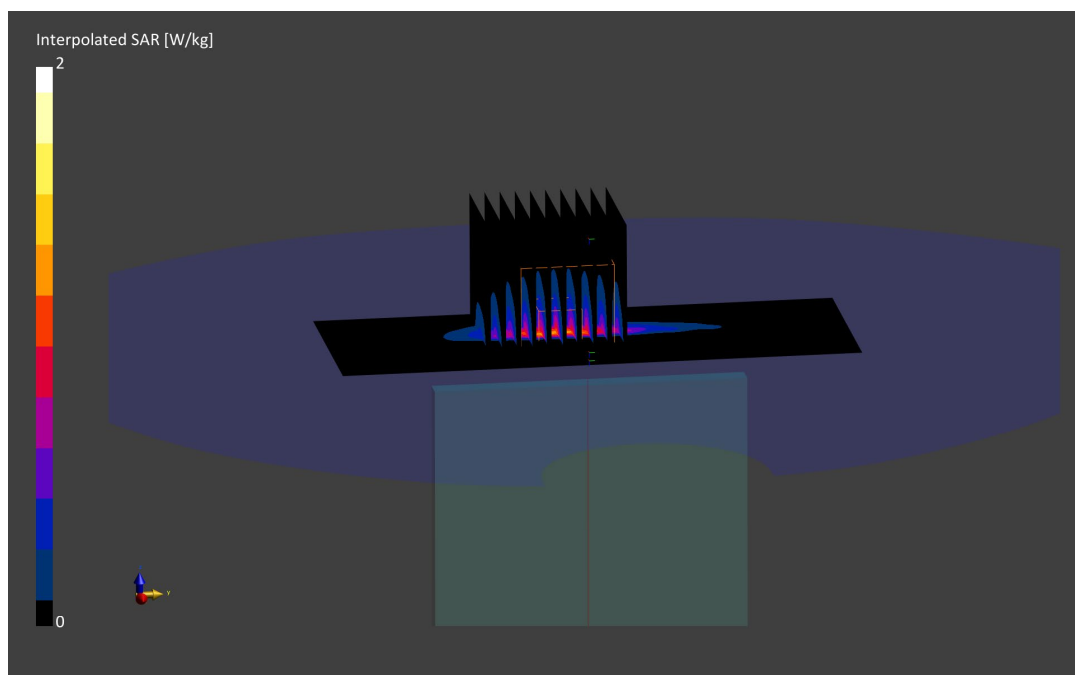
Reference Value = 0.81 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.792 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 = 78.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0649M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2535.0 MHz; cond = 2.09 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/29/2022; Ambient Temp: 21.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: NR Band n7, Antenna I, Closed, Body SAR, Right Edge, Ch. 507000
40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 214 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

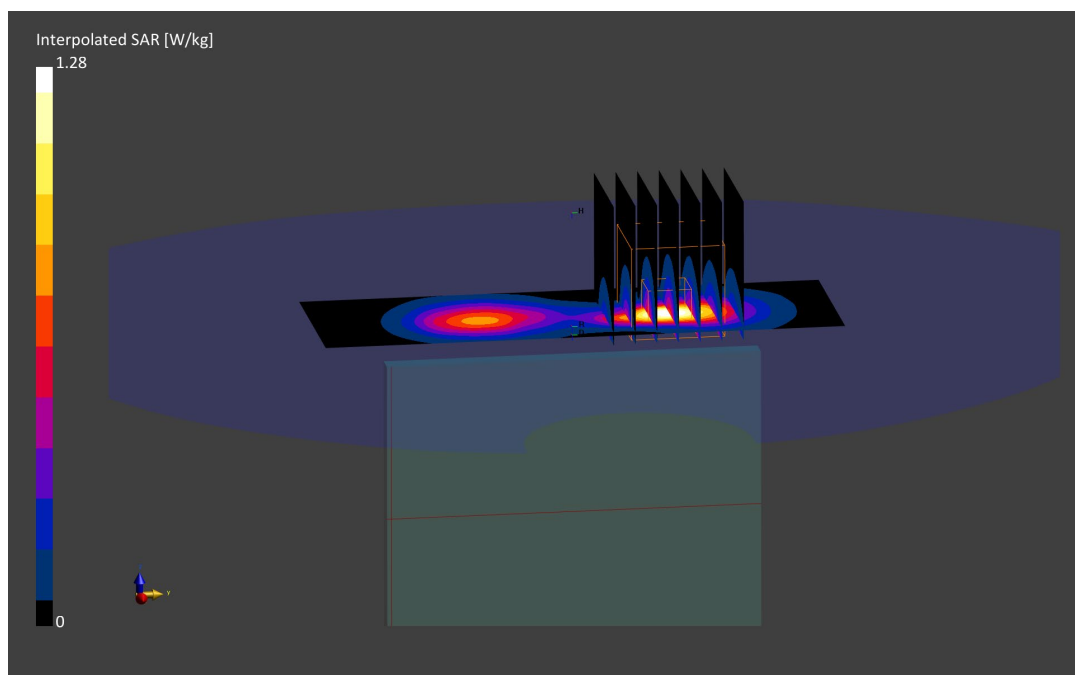
Reference Value = 0.70 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.545 W/kg

Smallest distance from peaks to all points 3 dB below is 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 75.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

Communication System: UID:10773 - AAD, CW; MAIA: Y; Frequency: 2535.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2535.0 MHz; cond = 2.06 S/m; perm = 50.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/01/2022; Ambient Temp: 21.90°C; Tissue Temp: 23.50°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n7, Antenna B, Open, 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

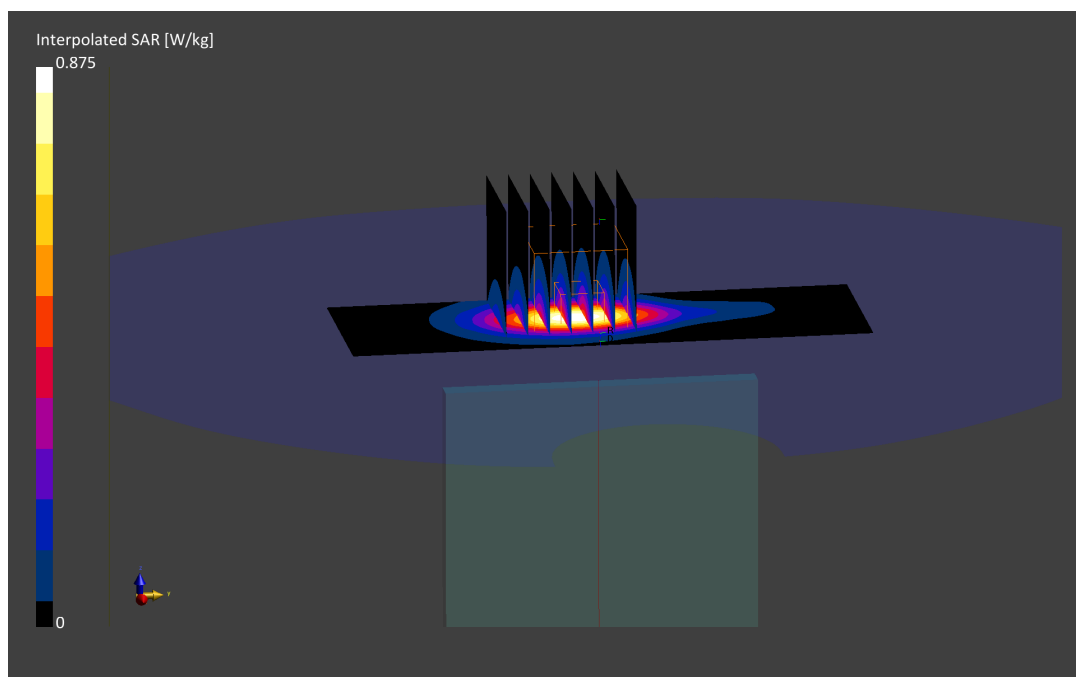
Reference Value = 0.50 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.875 W/kg

SAR(1 g) = 0.414 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 = 77.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0636M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.17 S/m; perm = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/29/2022; Ambient Temp: 21.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n41, Antenna B, Closed, Body SAR, Bottom Edge, Ch.518598
100 MHz Bandwidth, CW/SRS

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

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

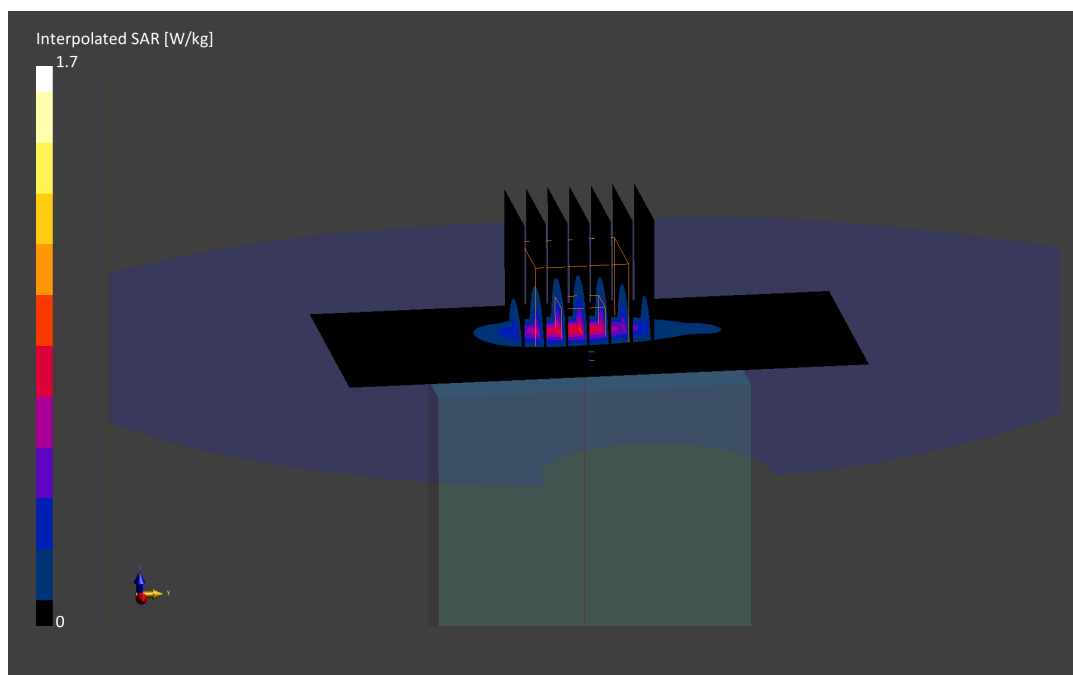
Reference Value = 0.88 W/kg; Power Drift = -0.12 dB

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 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 76.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3625.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3625.0 MHz; cond = 3.30 S/m; perm = 50.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/23/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7538; ConvF:(6.36,6.36,6.36); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: NR Band n48, Antenna I, Closed, Body SAR, Right Edge
Ch. 641666, 40 MHz Bandwidth, CW/SRS**

Area Scan (60.0 x 120.0): 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

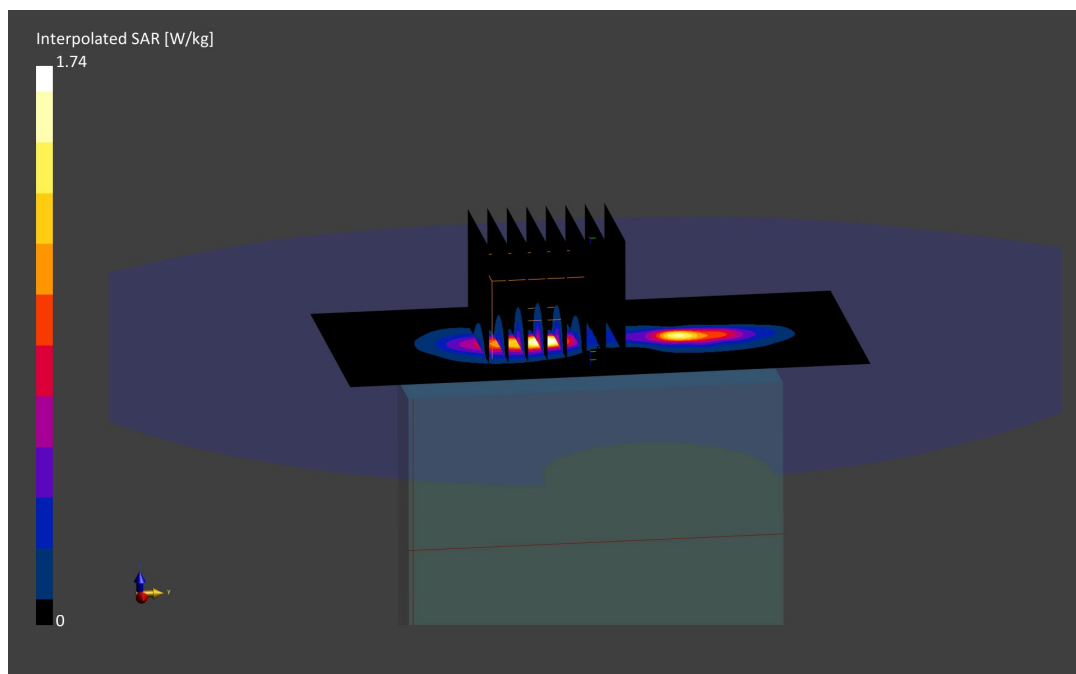
Reference Value = 0.90 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.587 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 = 75.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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

Medium: 3600 Body; Medium parameters used:

f = 3500.0 MHz; cond = 3.16 S/m; perm = 50.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/23/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7538; ConvF:(6.46,6.46,6.46); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: NR Band n77 DoD, Antenna I, Closed, Body SAR, Right Edge
Ch. 633334, 100 MHz Bandwidth, CW/SRS**

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

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

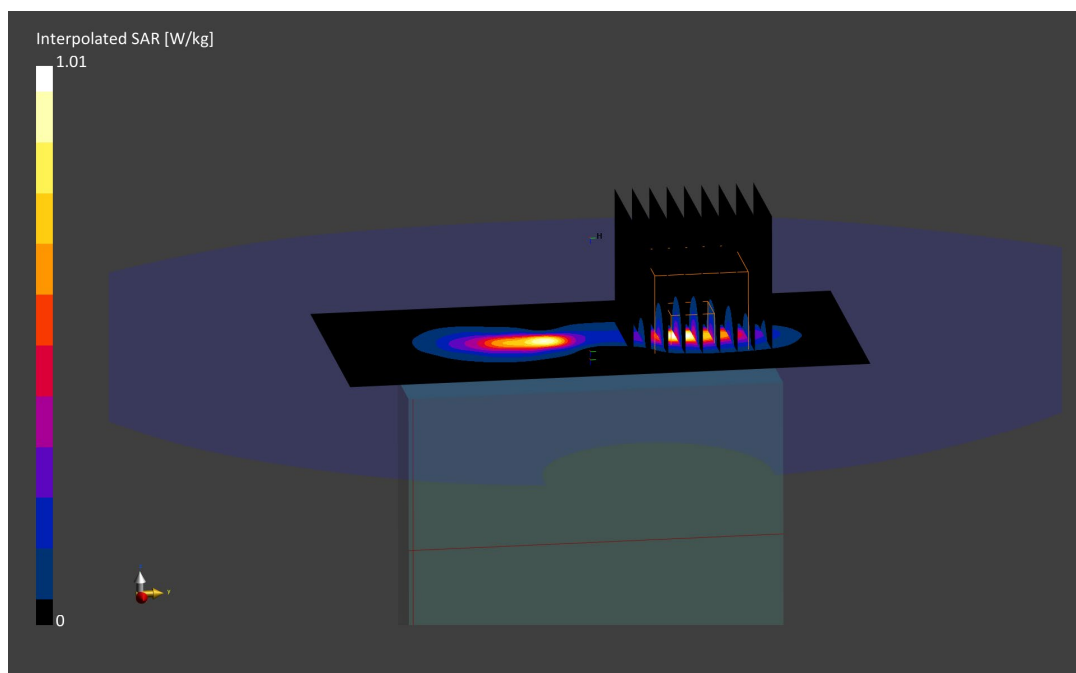
Reference Value = 0.48 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.345 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 78.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

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; $\text{cond} = 3.54$ S/m; $\text{perm} = 49.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/15/2022; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7538; ConvF:(6.36,6.36,6.36); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: NR Band n77, Antenna F, Closed, Body SAR, Left Edge, Ch. 650000
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 69 RB Offset**

Area Scan (60.0 x 120.0): 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

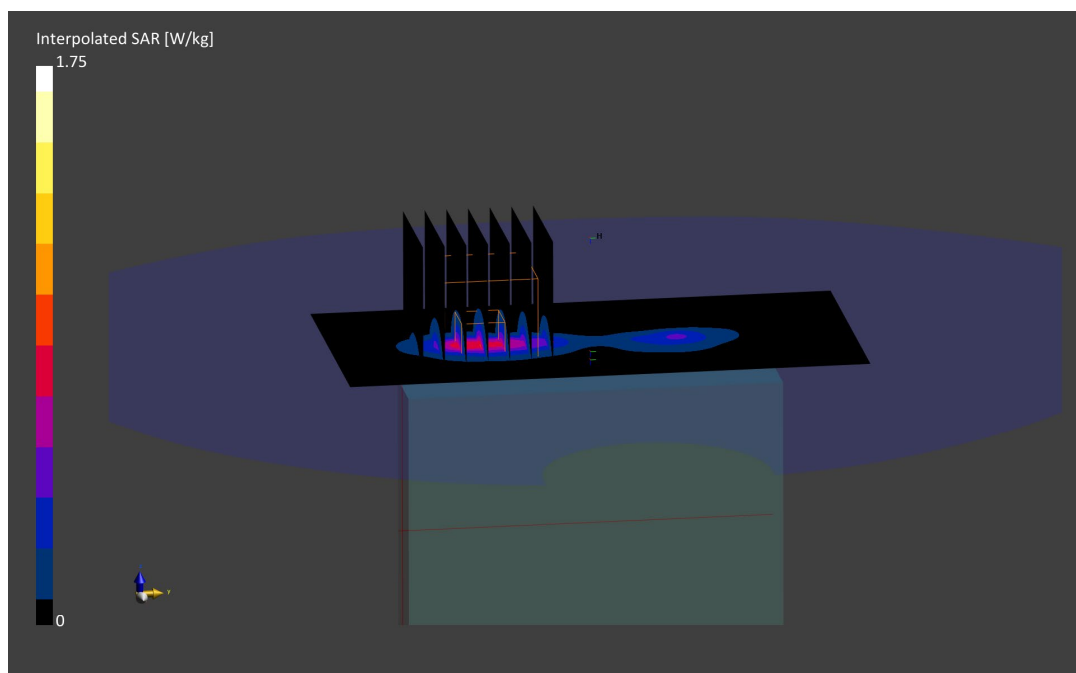
Reference Value = 0.93 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.621 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 = 75.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 1356M

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

Medium: 2450 Body; Medium parameters used:

$f = 2437.0$ MHz; $\text{cond} = 2.01$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/31/2022; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.66,7.66,7.66); 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 V16.0.2.136

Mode: IEEE 802.11b, Antenna 2, Closed, Body SAR, Front Side
22 MHz Bandwidth, Ch. 6, 1 Mbps

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

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

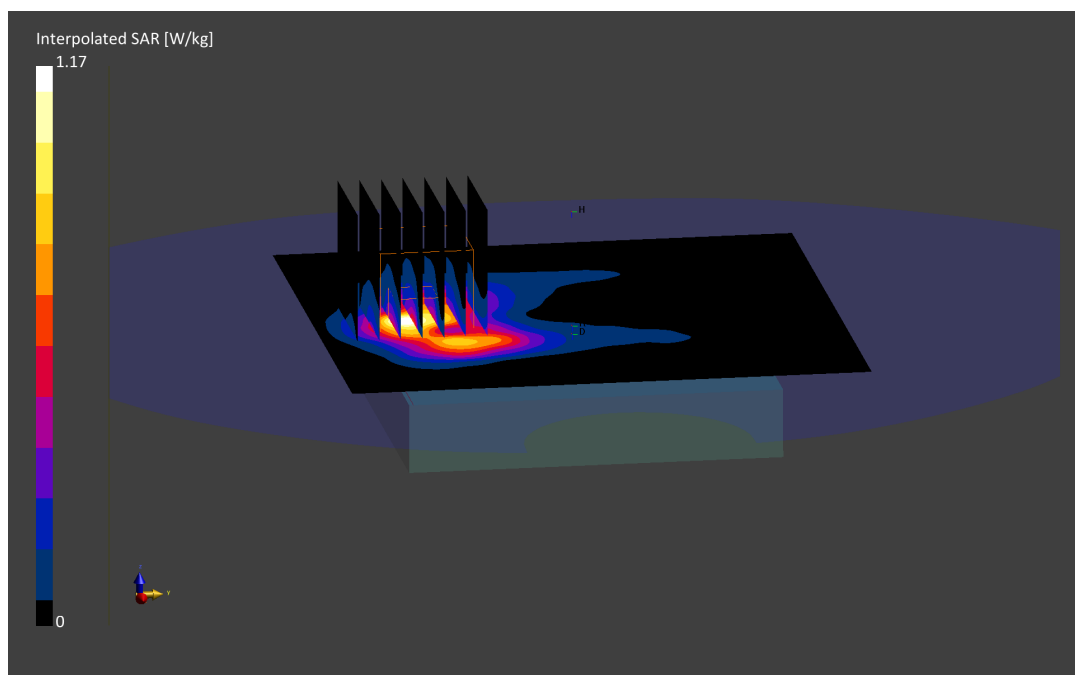
Reference Value = 0.48 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.471 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 77.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 1309M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5745.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5745.0 MHz; cond = 6.18 S/m; perm = 47.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/31/2022; Ambient Temp: 22.4°C; Tissue Temp: 21.5°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 V16.0.2.136

Mode: IEEE 802.11n, Closed, MIMO, Body SAR, Front Side
20 MHz Bandwidth, UNII-3, Ch. 149, 6.5 Mbps

Area Scan (120.0 x 120.0): 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

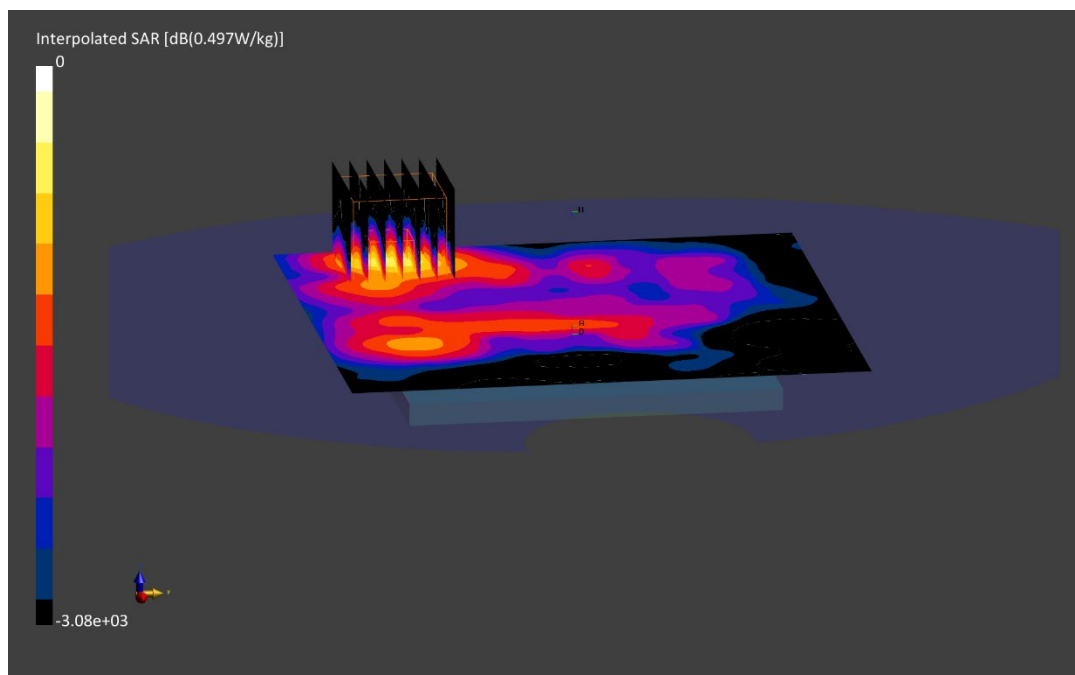
Reference Value = 0.19 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.427 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 = 63.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0664M

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; $\text{perm} = 51.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/26/2022; Ambient Temp: 19.9°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.66,7.66,7.66); 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 V16.0.2.136

Mode: Bluetooth, Antenna 2, Closed, Body SAR, Front Side, Ch. 0, 1Mbps

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

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

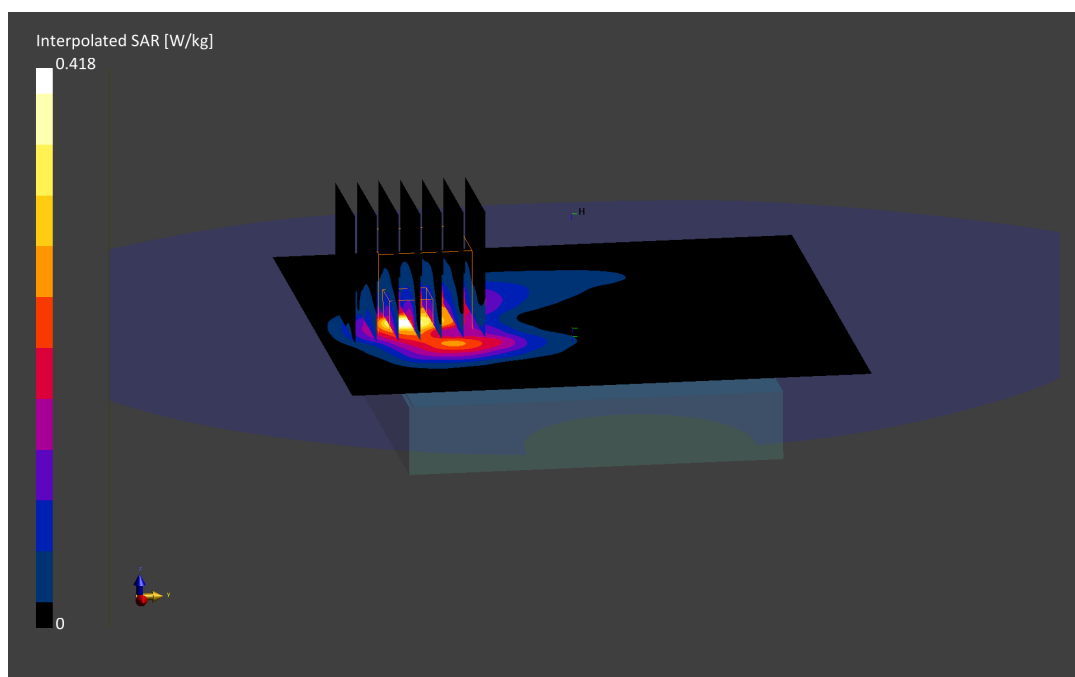
Reference Value = 0.17 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.167 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 = 77.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0932M

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.59 S/m; perm = 52.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/17/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7538; ConvF:(8.28,8.28,8.28); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: GPRS 1900, Phablet SAR, Back Side, High Ch., 4 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=4.5 mm, dy=4.5 mm, dz=1.4 mm; Graded Ratio: 1.4

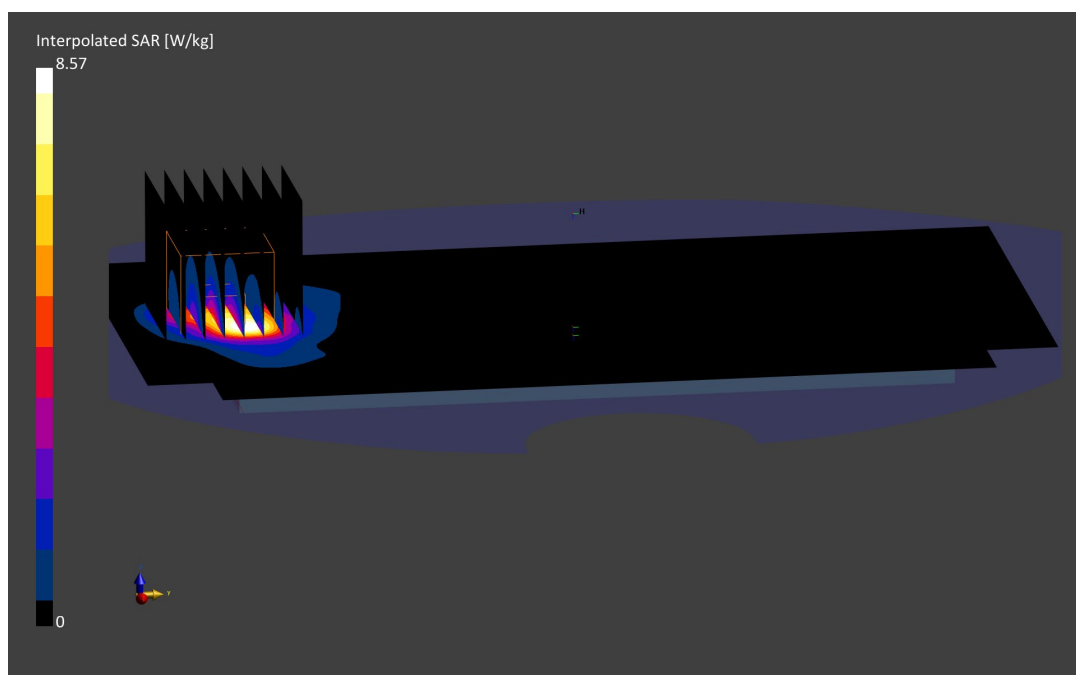
Reference Value = 4.72 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 8.57 W/kg

SAR(10 g) = 1.41 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 80.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0888M

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

Medium: 1750 Body; Medium parameters used:

f = 1752.6 MHz; cond = 1.49 S/m; perm = 53.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/23/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3914; ConvF:(7.81,7.81,7.81); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: UMTS 1750, Phablet 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=4.4 mm, dy=4.4 mm, dz=1.4 mm; Graded Ratio: 1.4

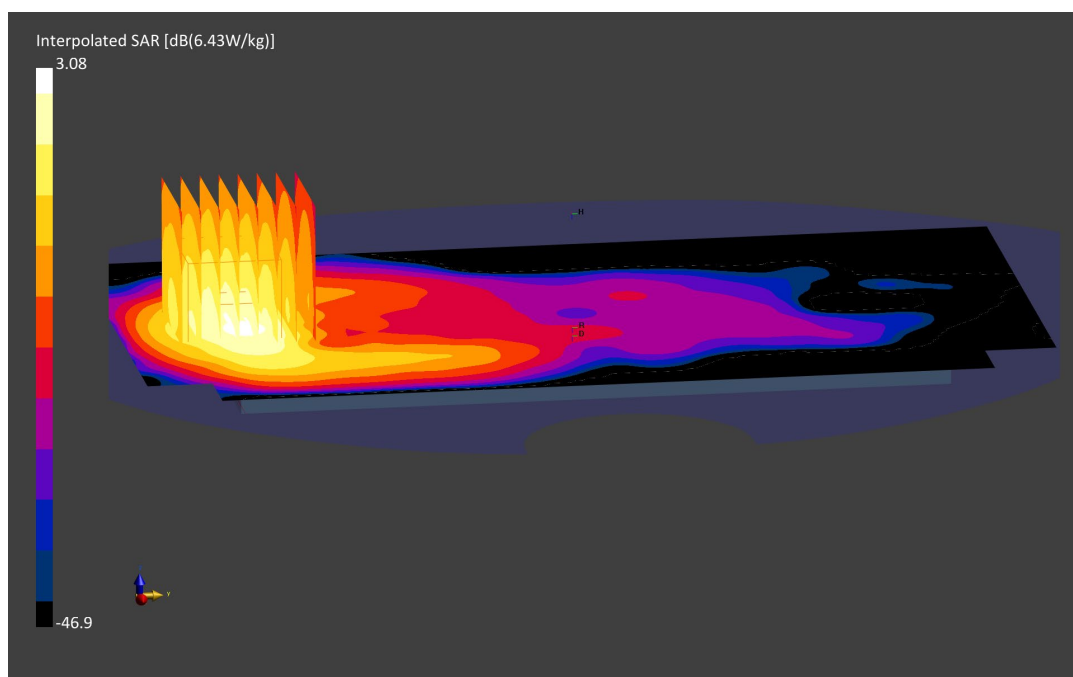
Reference Value = 4.40 W/kg; Power Drift = 0.00 dB

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 5.3 mm

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



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

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

Medium: 1900 Body; Medium parameters used:

$f = 1852.4$ MHz; $\text{cond} = 1.51$ S/m; $\text{perm} = 50.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/31/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7538; ConvF:(8.28,8.28,8.28); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: UMTS 1900, Phablet SAR, Bottom Edge, Low 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: $dx=4.6$ mm, $dy=4.6$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

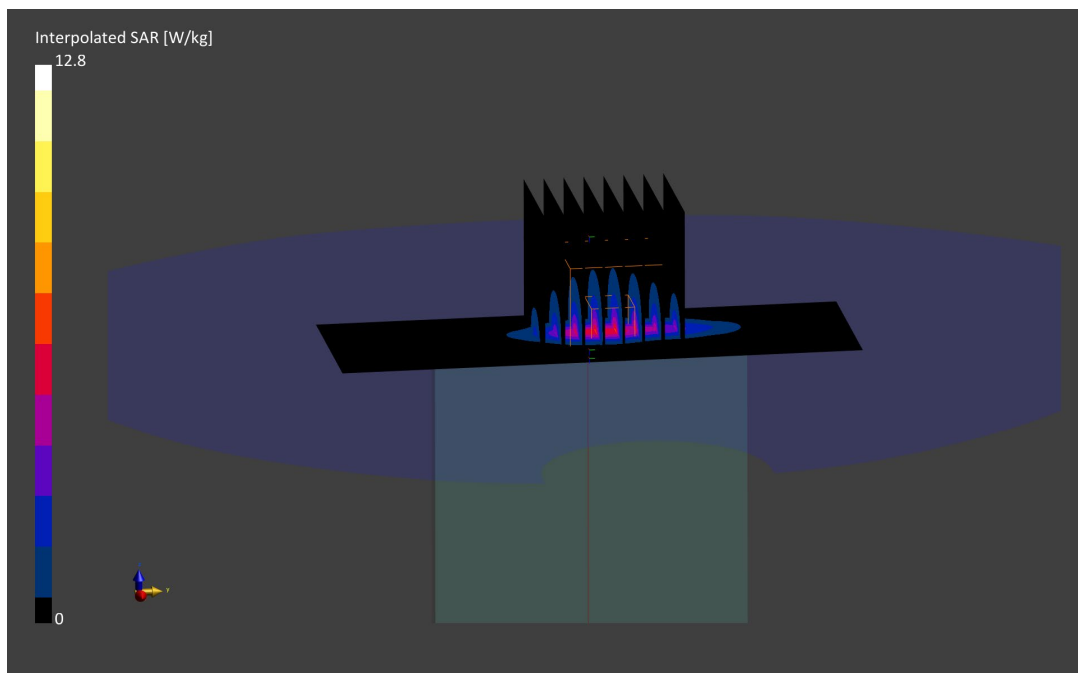
Reference Value = 7.19 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(10 g) = 2.03 W/kg

Smallest distance from peaks to all points 3 dB below is 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 75.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0935M

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

Medium: 1750 Body; Medium parameters used:

f = 1770.0 MHz; cond = 1.55 S/m; perm = 51.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/01/2022; Ambient Temp: 21.3°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3914; ConvF:(7.81,7.81,7.81); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 66 (AWS), Phablet SAR, Back side, High 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=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5

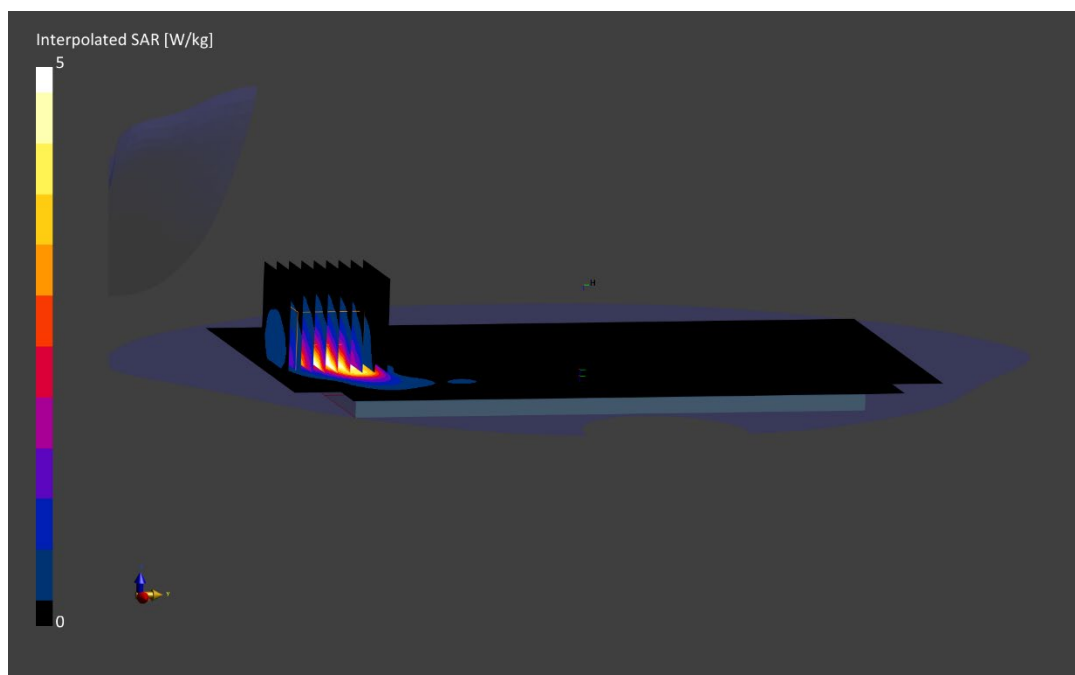
Reference Value = 3.91 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(10 g) = 2.11 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 = 72.7 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0926M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1905.0 MHz; cond = 1.58 S/m; perm = 52.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/10/2022; Ambient Temp: 24.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.66,7.66); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY Module SAR V16.0.2.83

Mode: LTE Band 25, Phablet SAR, Back Side, High Ch
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.5 mm, dy=4.5 mm, dz=1.4 mm; Graded Ratio: 1.4

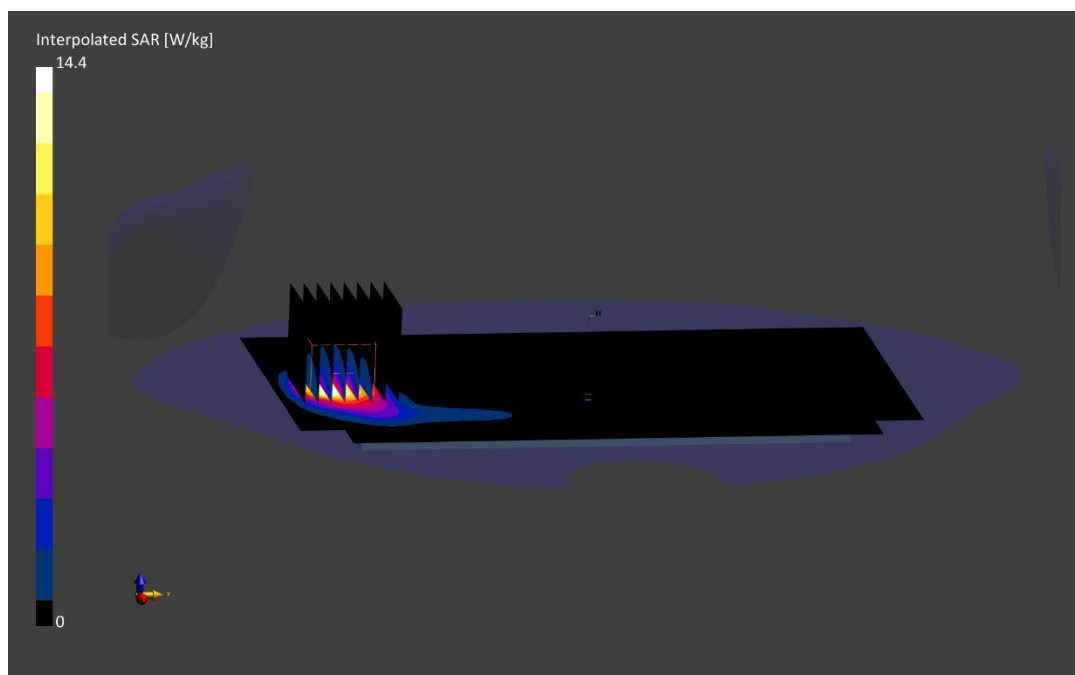
Reference Value = 5.38 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 14.4 W/kg

SAR(10 g) = 2.42 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 77.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0646M

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

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.81$ S/m; $\text{perm} = 51.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/23/2022; Ambient Temp: 21.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.46,7.46,7.46); Calibrated: 2021-06-21

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

Electronics: DAE4 Sn1334; Calibrated: 2021-06-15

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V16.0.0.116

Mode: LTE Band 30, Phablet SAR, Back Side, Mid Ch
10 MHz Bandwidth, QPSK, 1 RB, 49 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: $dx=3.5$ mm, $dy=3.5$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

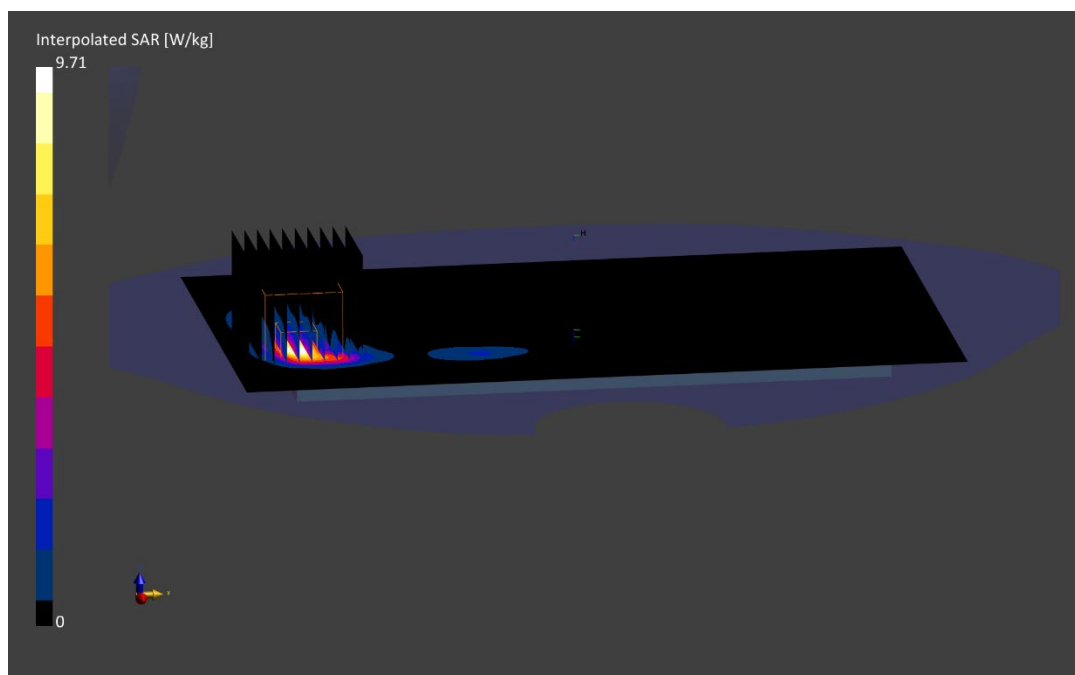
Reference Value = 2.96 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 9.71 W/kg

SAR(10 g) = 1.27 W/kg

Smallest distance from peaks to all points 3 dB below is 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 75.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 2510.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2510.0$ MHz; $\text{cond} = 2.04$ S/m; $\text{perm} = 50.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/05/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7417; ConvF:(7.57,7.57,7.57); 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 V16.0.2.136

**Mode: LTE Band 7, Phablet SAR, Left Edge, Low Ch., 20 MHz Bandwidth
QPSK, 1 RB, 0 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: $dx=3.1$ mm, $dy=3.1$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

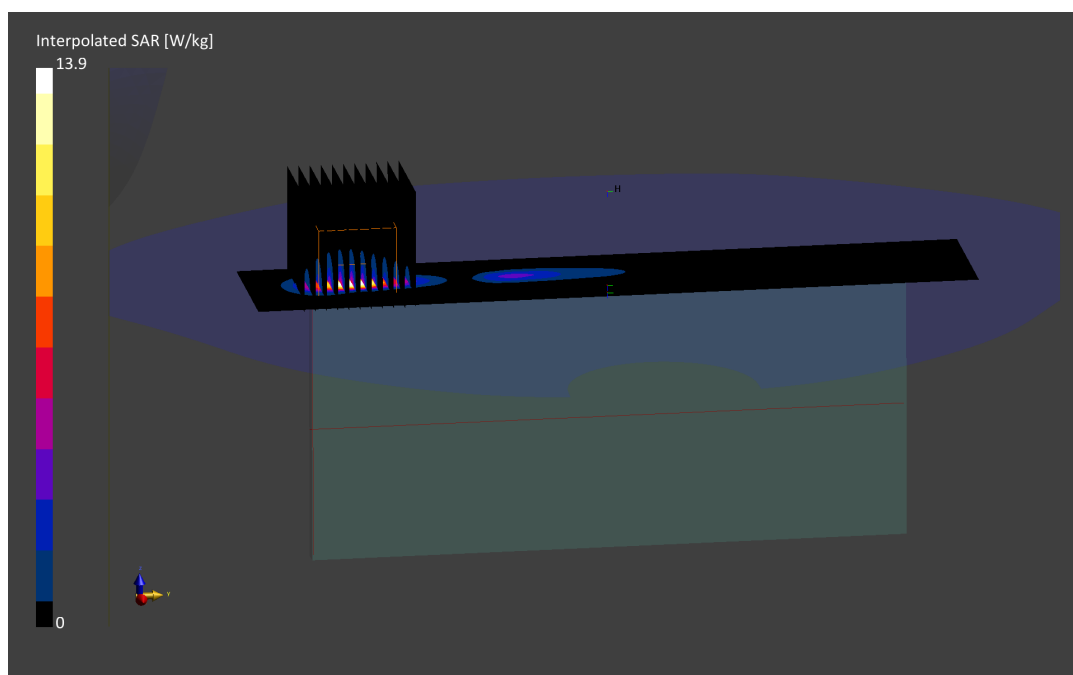
Reference Value = 6.58 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(10 g) = 1.21 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 = 76.3 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0424M

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

Medium: 3600 Body; Medium parameters used:

f = 3690.0 MHz; cond = 3.38 S/m; perm = 50.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/26/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7538; ConvF:(6.36,6.36,6.36); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: LTE Band 48, Phablet SAR, Left Edge, High Ch, 20 MHz Bandwidth
QPSK, 50 RB, 25 RB Offset**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=3.3 mm, dy=3.3 mm, dz=1.4 mm; Graded Ratio: 1.5

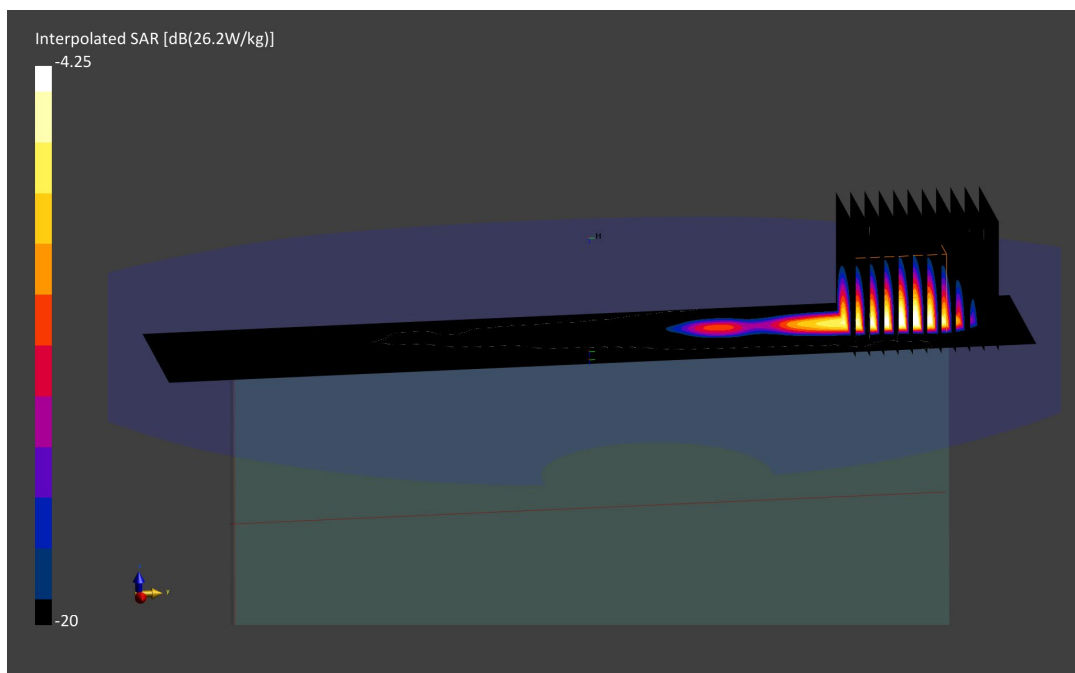
Reference Value = 13.86 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 27.1 W/kg

SAR(10 g) = 1.83 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 = 70.9 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0931M

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; $\text{cond} = 1.50$ S/m; $\text{perm} = 53.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/26/2022; Ambient Temp:22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.81,7.81,7.81); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

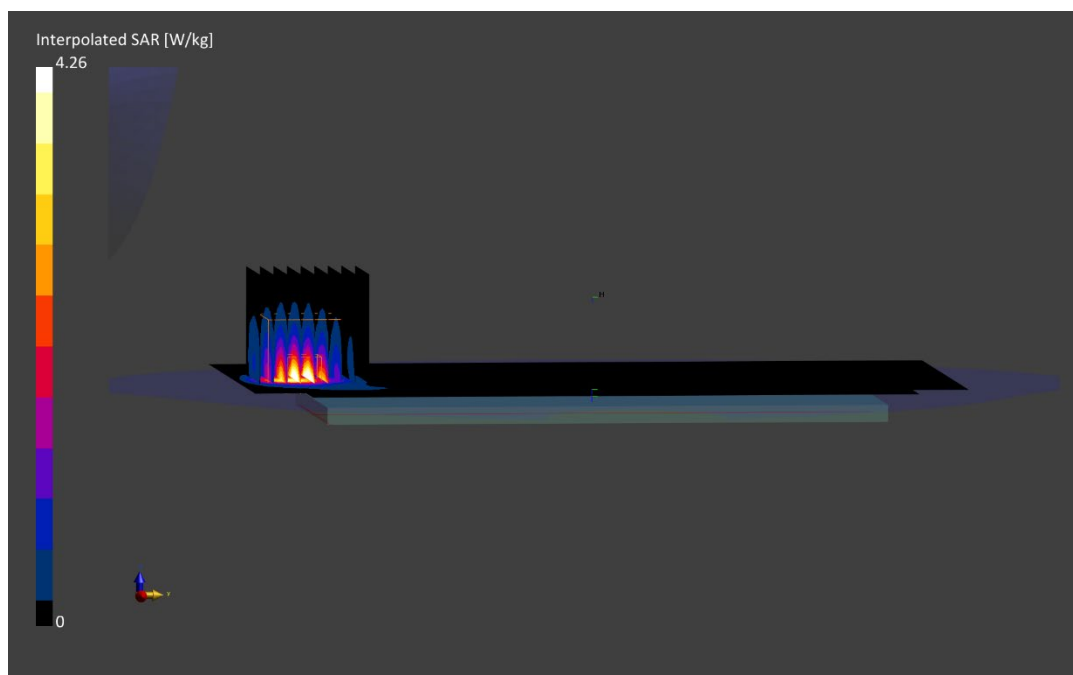
Reference Value = 3.35 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(10 g) = 1.75 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 73.8 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0931M

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

Medium: 1900 Body; Medium parameters used:

f = 1882.5 MHz; cond = 1.54 S/m; perm = 50.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/27/2022; Ambient Temp: 24.5°C; Tissue Temp: 24.1°C

Probe: EX3DV4 - SN7538; ConvF:(8.28,8.28,8.28); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: NR Band n25, Antenna A, Phablet SAR, Back Side, Ch. 376500
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=4.8 mm, dy=4.8 mm, dz=1.5 mm; Graded Ratio: 1.5

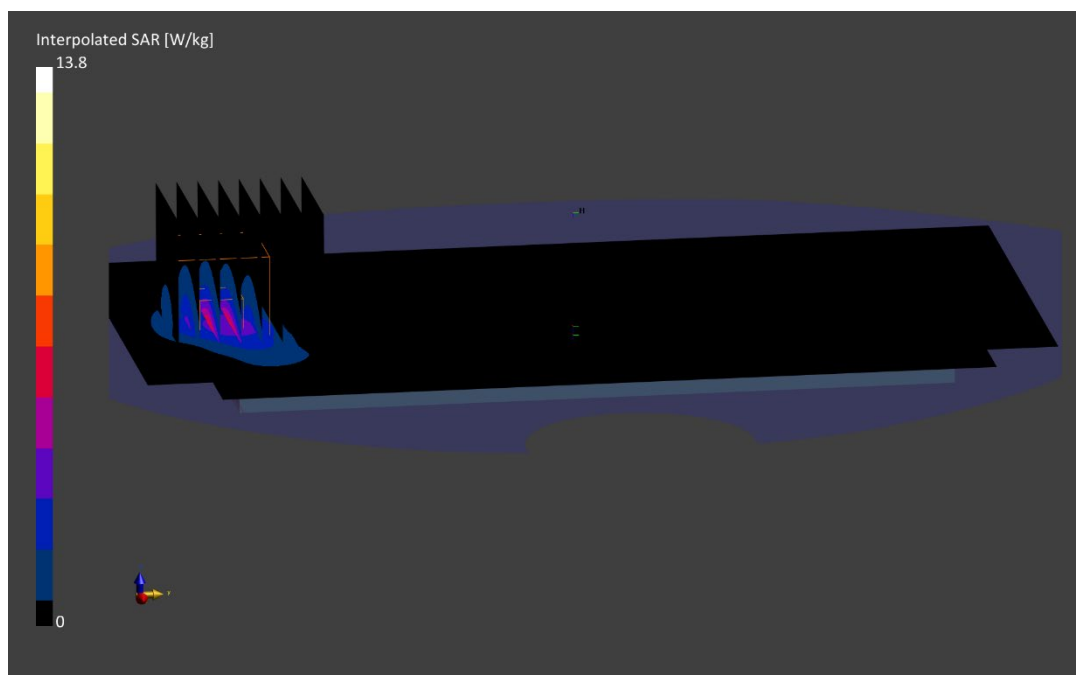
Reference Value = 7.17 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 13.8 W/kg

SAR(10 g) = 2.32 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 = 72.2 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0646M

Communication System: UID:10945 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 2310.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2310.0$ MHz; $\text{cond} = 1.81$ S/m; $\text{perm} = 51.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/18/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7409; ConvF:(7.46,7.46,7.46); Calibrated: 2021-06-21

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

Electronics: DAE4 Sn1334; Calibrated: 2021-06-15

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n30, Antenna B, Phablet SAR, Back Side, Ch. 462000
10 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 0 RB Offset

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

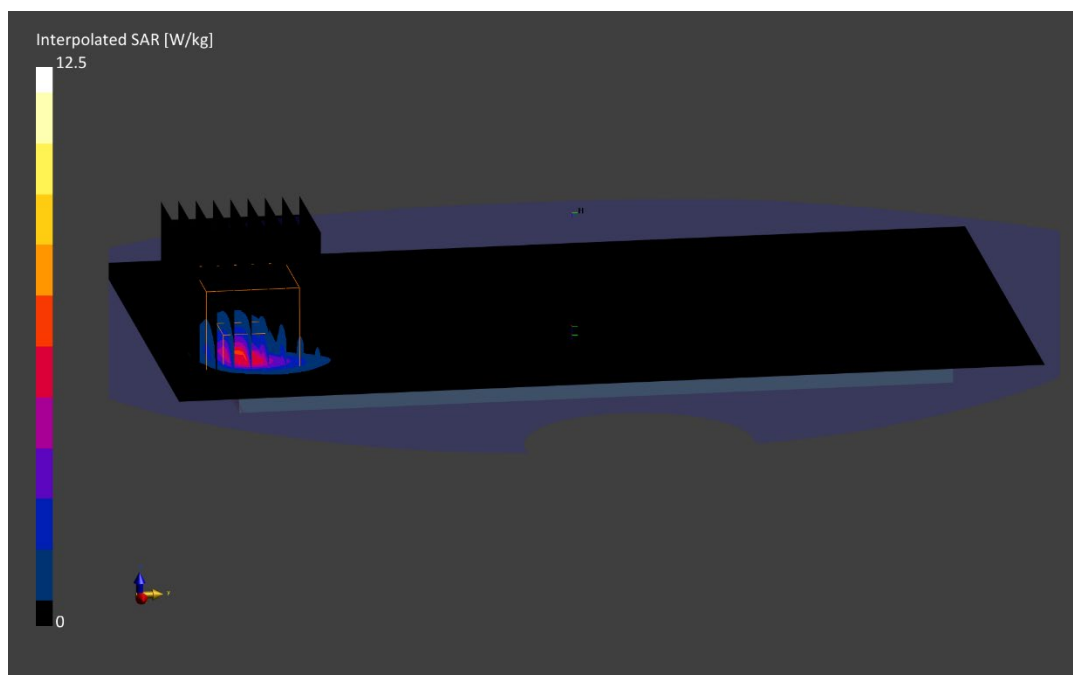
Reference Value = 3.36 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(10 g) = 1.75 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 75.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0414M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2535.0 MHz; cond = 2.06 S/m; perm = 50.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NR Band n7, Antenna B, Phablet SAR, Bottom Edge, Ch. 507000
40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 214 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=3.2 mm, dy=3.2 mm, dz=1.5 mm; Graded Ratio: 1.5

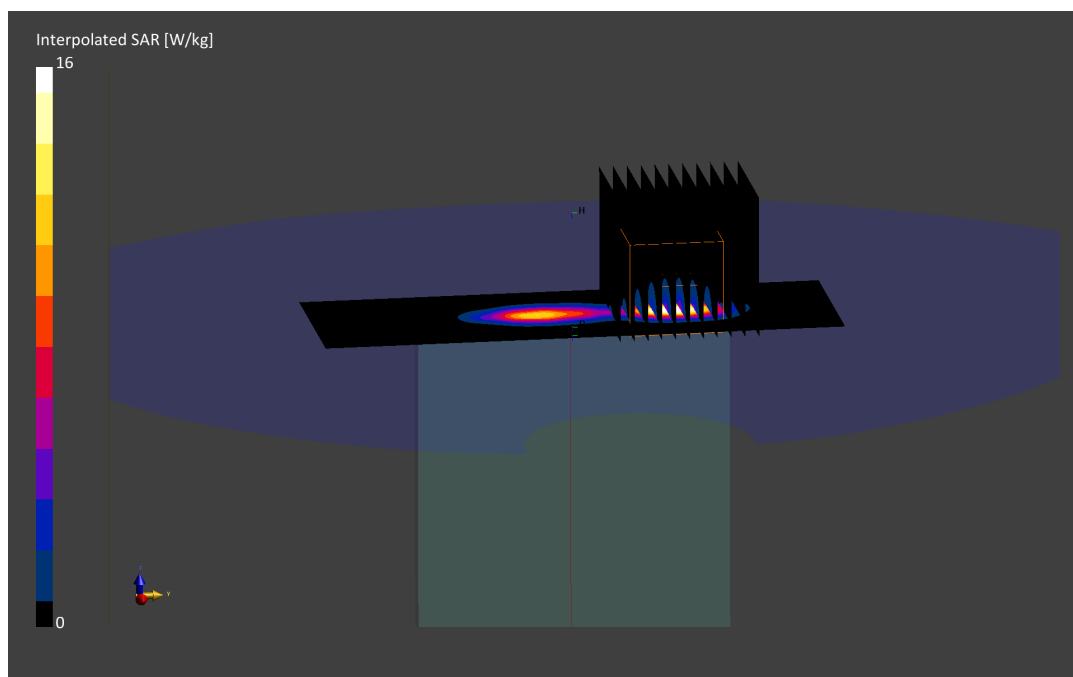
Reference Value = 5.94 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 16.0 W/kg

SAR(10 g) = 1.11 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 = 63.4 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0649M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.12 S/m; perm = 50.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/07/2022; Ambient Temp: 24°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.4,7.4,7.4); Calibrated: 2022-02-22

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: NR Band n41, Antenna I, Phablet SAR, Front Side, Ch. 518598
100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=2.5 mm, dy=2.5 mm, dz=1.5 mm; Graded Ratio: 1.5

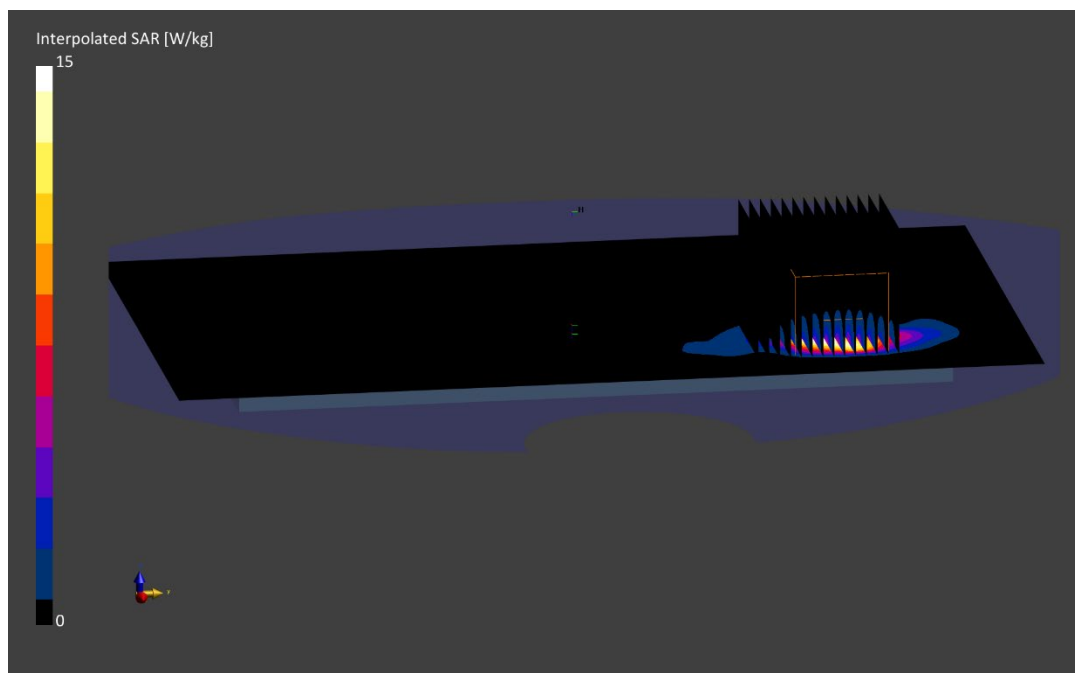
Reference Value = 4.55 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 15.0 W/kg

SAR(10 g) = 1.28 W/kg

Smallest distance from peaks to all points 3 dB below is 3.5 mm

Ratio of SAR at M2 to SAR at M1 = 63.5 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0884M

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3570.0 MHz; cond = 3.37 S/m; perm = 49.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/25/2022; Ambient Temp: 20.3°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7661; ConvF:(6.7,6.7,6.7); Calibrated: 2021-06-28

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

Electronics: DAE4 Sn1450; Calibrated: 2021-08-16

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n48, Antenna F, Phablet SAR, Front Side, Ch. 638000
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=3.5 mm, dy=3.5 mm, dz=1.2 mm; Graded Ratio: 1.2

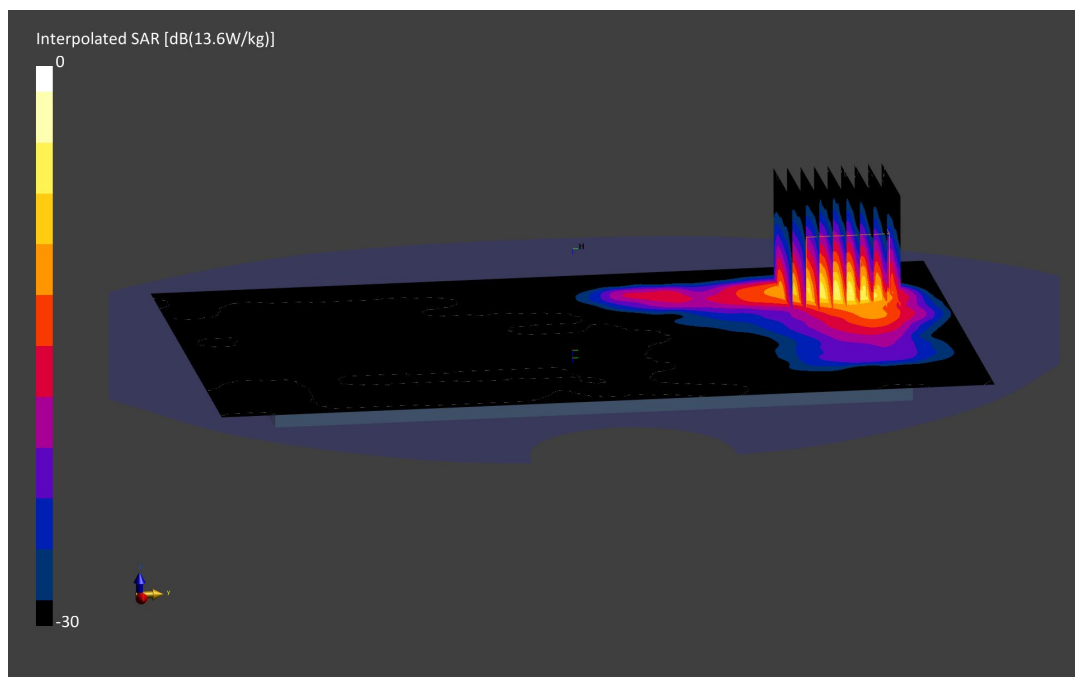
Reference Value = 1.77 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(10 g) = 0.949 W/kg

Smallest distance from peaks to all points 3 dB below is 4.7 mm

Ratio of SAR at M2 to SAR at M1 = 68.6 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

Communication System: UID:10803 - AAD, 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; $\text{perm} = 49.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7538; ConvF:(6.46,6.46,6.46); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

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

Area Scan (40.0 x 200.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

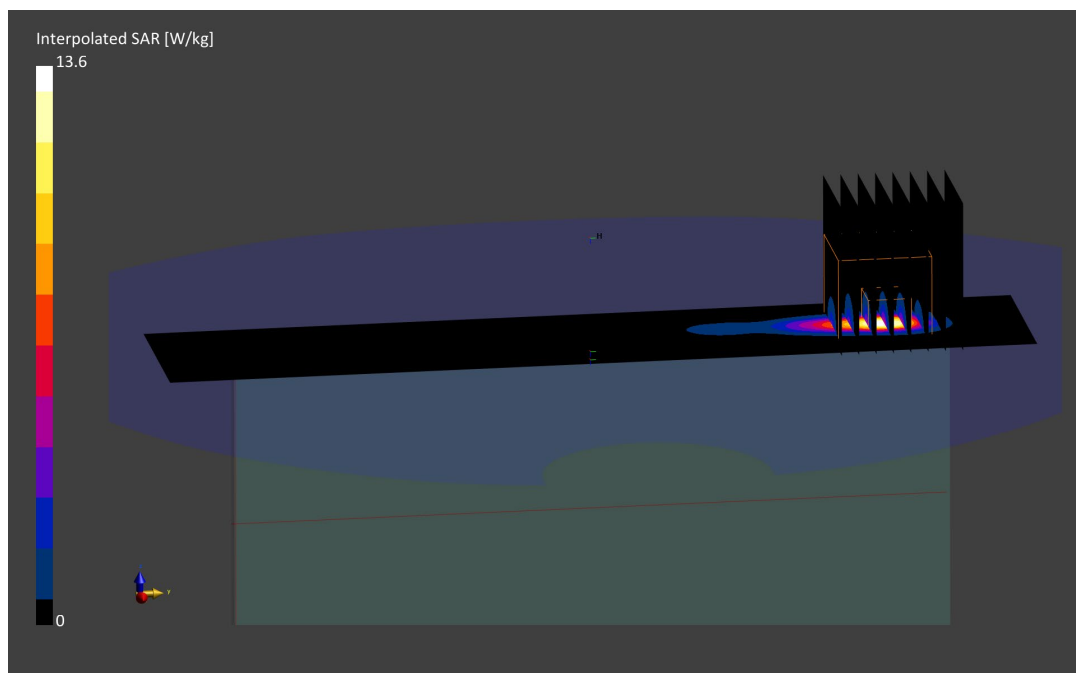
Reference Value = 6.66 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(10 g) = 1.09 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 69.0 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0651M

Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3930.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3930.0 MHz; cond = 3.68 S/m; perm = 48.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7538; ConvF:(6.0,6.0,6.0); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1323; Calibrated: 2021-11-10

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: NR Band n77, Antenna F, Phablet SAR, Left Edge, Ch. 662000
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 0 RB Offset**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=3.2 mm, dy=3.2 mm, dz=1.4 mm; Graded Ratio: 1.5

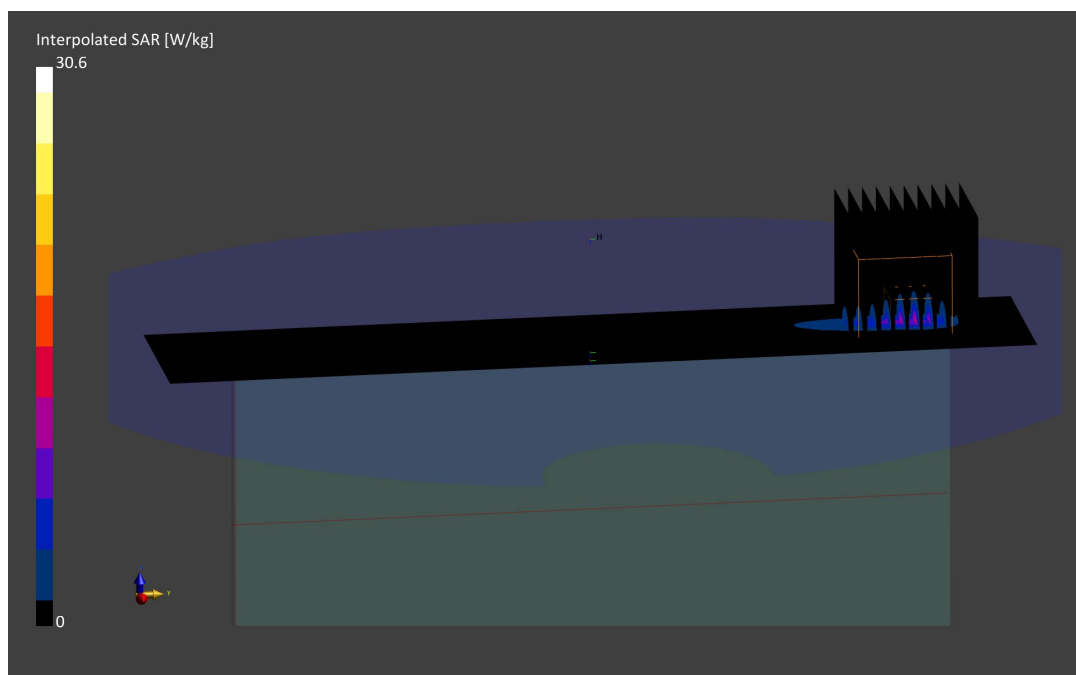
Reference Value = 14.31 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 30.6 W/kg

SAR(10 g) = 1.91 W/kg

Smallest distance from peaks to all points 3 dB below is 4.0 mm

Ratio of SAR at M2 to SAR at M1 = 70.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 1309M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5885.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

$f = 5885.0$ MHz; $\text{cond} = 6.38$ S/m; $\text{perm} = 47.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/31/2022; Ambient Temp: 22.4°C; Tissue Temp: 21.5°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 V16.0.2.136

**Mode: IEEE 802.11n, MIMO, Phablet SAR, Left Edge
20 MHz Bandwidth, UNII-4, Ch. 177, 6.5 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: $dx=3.1$ mm, $dy=3.1$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

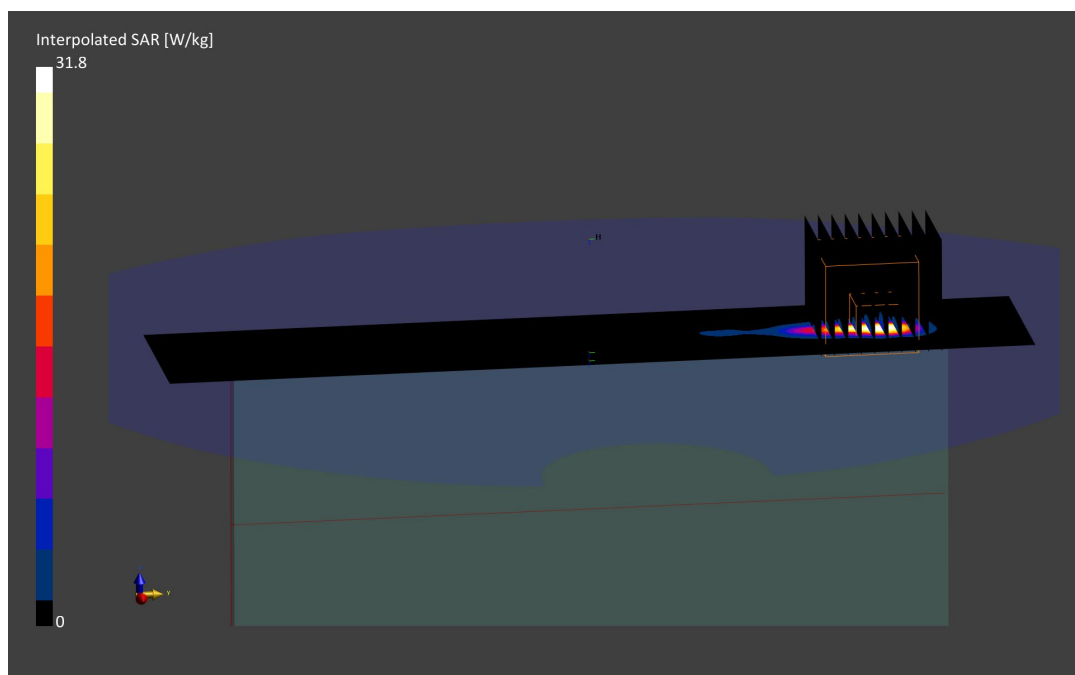
Reference Value = 2.42 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(10 g) = 0.990 W/kg

Smallest distance from peaks to all points 3 dB below is 3.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.1 %



ELEMENT

DUT: A3LSMF721U; Type: Portable Handset; Serial: 0946M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz

Medium: 30 Head; Medium parameters used:

f = 13.6 MHz; cond = 0.762 S/m; perm = 52.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/09/2022; Ambient Temp: 24.0°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 V16.0.2.136

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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.02 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.073 W/kg

SAR(10 g) = 0.005 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 = 54.8 %

