

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0366M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 848.8 MHz

Medium: 835 Head; Medium parameters used:

$f = 848.8$ MHz; $\text{cond} = 0.943$ S/m; $\text{perm} = 41.0$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/17/2023; Ambient Temp: 23.3°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7410; ConvF:(9.6,9.6,9.6); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 850, Antenna A, Right Head, Cheek, High Ch.

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

Zoom Scan (36.0 x 36.0 x 30.0): Measurement grid: $dx=6.0$ mm, $dy=6.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

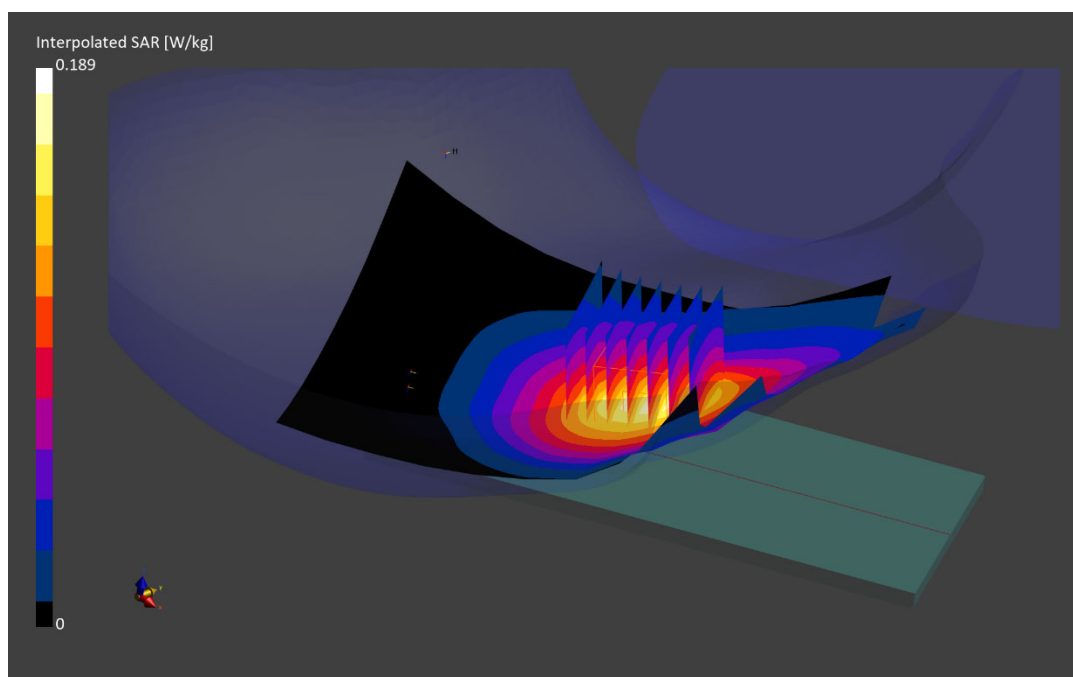
Reference Value = 0.16 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.149 W/kg

Smallest distance from peaks to all points 3 dB below is 20.2 mm

Ratio of SAR at M2 to SAR at M1 = 92.8 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0366M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz

Medium: 1900 Head; Medium parameters used:

f = 1909.8 MHz; cond = 1.46 S/m; perm = 41.2; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/30/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7406; ConvF:(8.03,8.03,8.03); Calibrated: 2022-07-18

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

Electronics: DAE4 Sn1677; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna A, 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

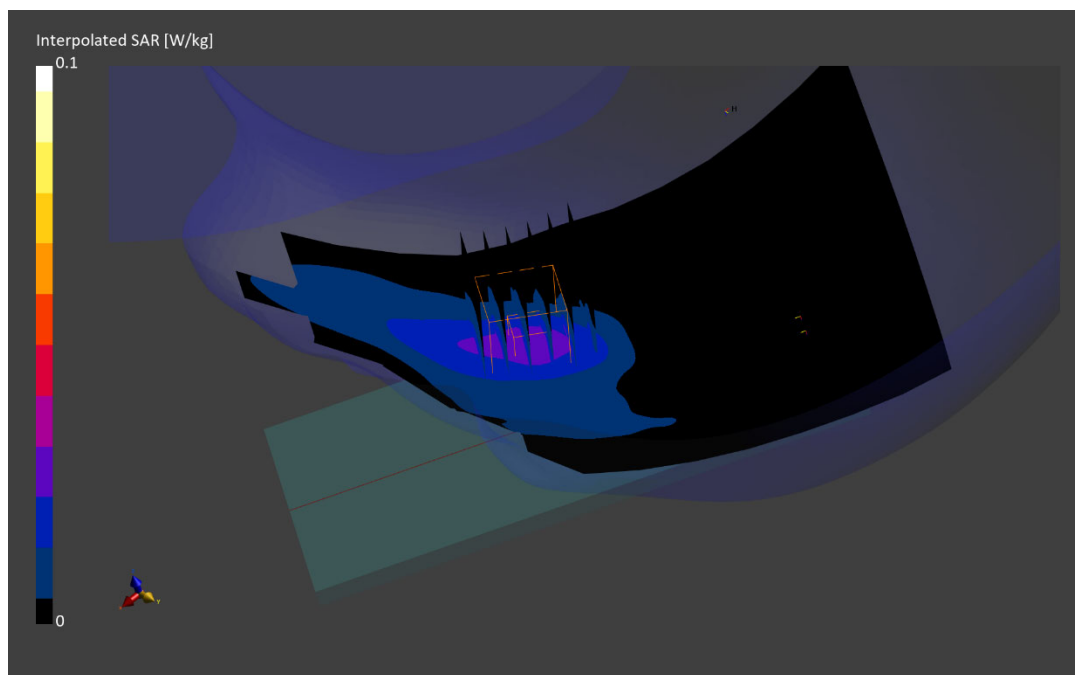
Reference Value = 0.03 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.028 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 = 86.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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

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

$f = 846.6 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 42.466$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 846.6 MHz; Calibrated: 2/10/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 2/16/2023

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

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

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

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

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

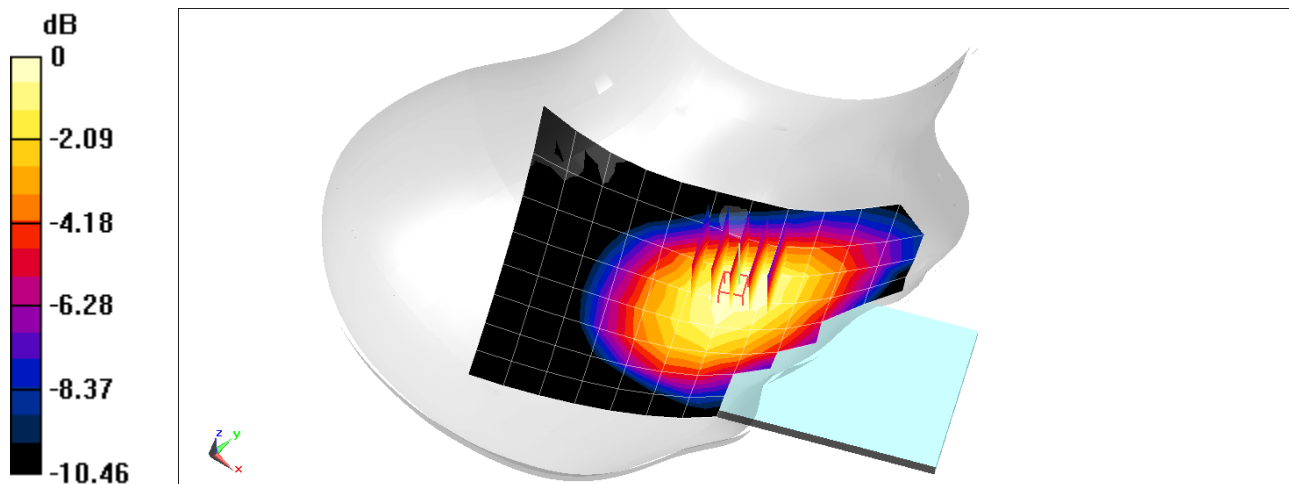
Reference Value = 14.04 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.172 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 76.8%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

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

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.30 S/m; perm = 41.9; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/07/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7565; ConvF:(8.23,8.23,8.23); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Left Head, Cheek, Low Ch.

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

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

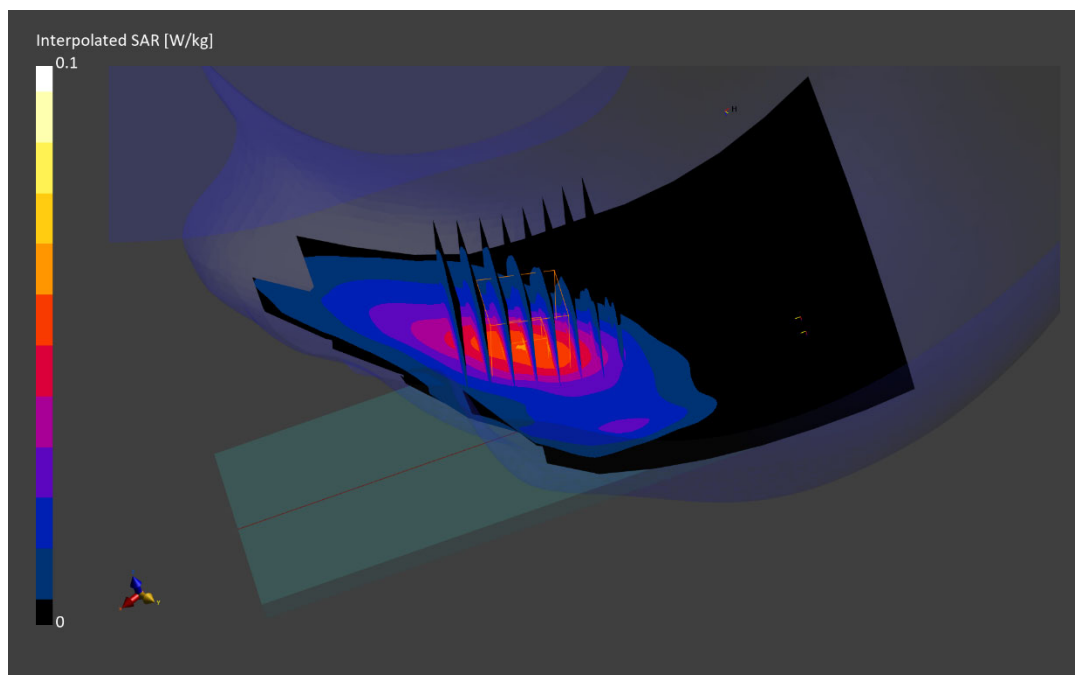
Reference Value = 0.06 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.083 W/kg

SAR(1 g) = 0.055 W/kg

Smallest distance from peaks to all points 3 dB below is 11.1 mm

Ratio of SAR at M2 to SAR at M1 = 89.7 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0366M

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

Medium: 1900 Head; Medium parameters used:

f = 1907.6 MHz; cond = 1.46 S/m; perm = 41.2; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/30/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7406; ConvF:(8.03,8.03,8.03); Calibrated: 2022-07-18

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

Electronics: DAE4 Sn1677; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, 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

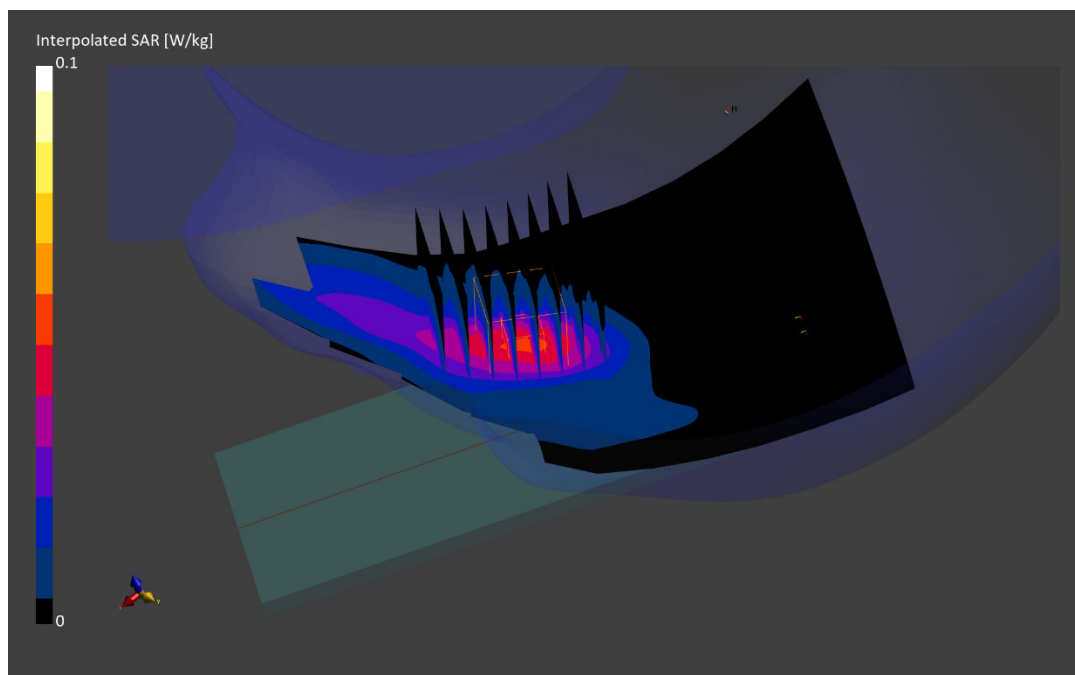
Reference Value = 0.05 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.076 W/kg

SAR(1 g) = 0.048 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 = 88.4 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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

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

$f = 707.5$ MHz; $\sigma = 0.866$ S/m; $\epsilon_r = 42.823$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7640; ConvF(10.91, 10.91, 10.91) @ 707.5 MHz; Calibrated: 2/10/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 2/16/2023

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

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

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

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

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

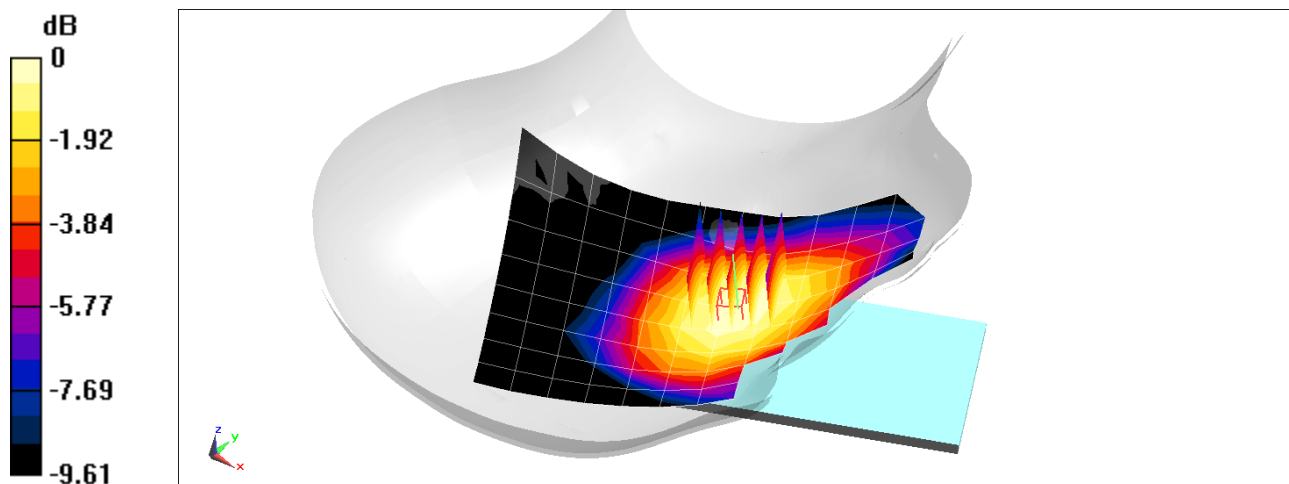
Reference Value = 15.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.199 W/kg

Smallest distance from peaks to all points 3 dB below = 22.3 mm

Ratio of SAR at M2 to SAR at M1 = 84%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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

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

$f = 782 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 42.634$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7640; ConvF(10.91, 10.91, 10.91) @ 782 MHz; Calibrated: 2/10/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 2/16/2023

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

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

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

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

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

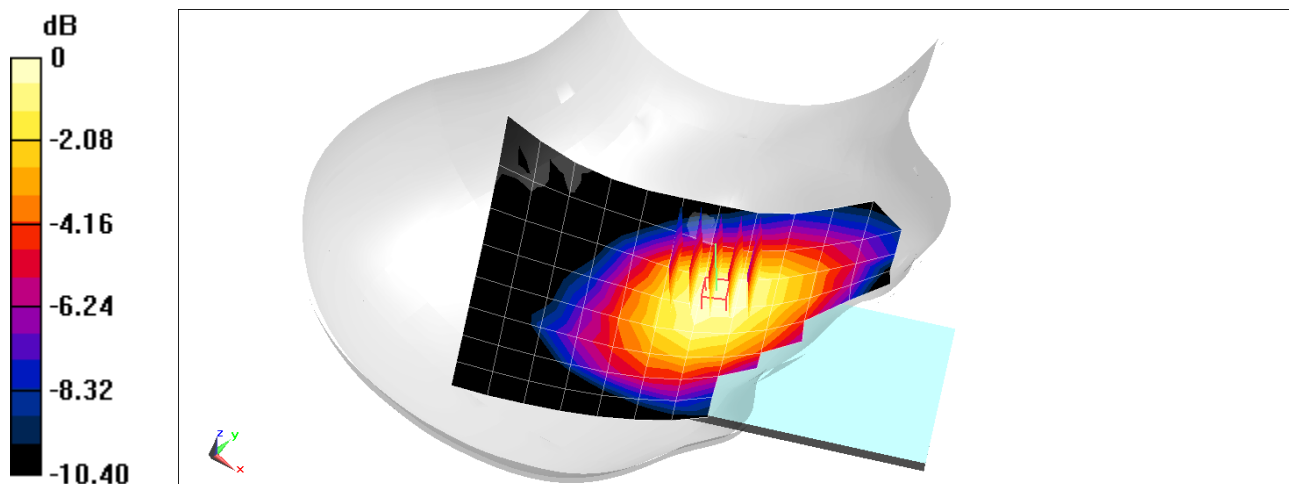
Reference Value = 16.68 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.229 W/kg

Smallest distance from peaks to all points 3 dB below = 19.5 mm

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



0 dB = 0.271 W/kg = -5.67 dBW/kg

ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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

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

$f = 831.5$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 42.498$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 831.5 MHz; Calibrated: 2/10/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 2/16/2023

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

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

**Mode: LTE Band 26 (Cell.), Antenna A, Right Head, Cheek, Mid.ch,
15 MHz Bandwidth, QPSK, 1 RB, 74 RB Offset**

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm

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

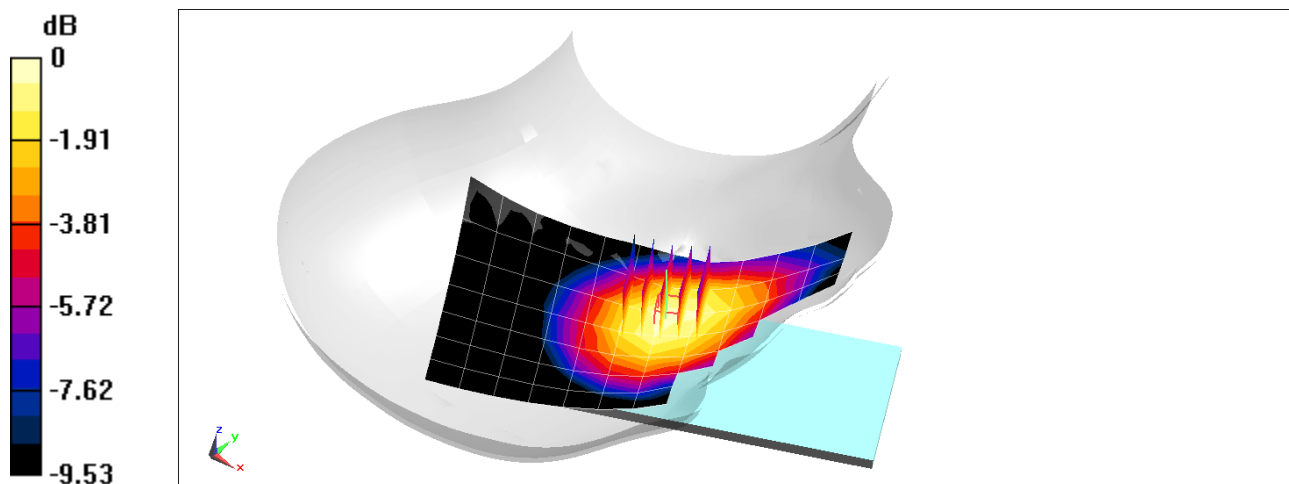
Reference Value = 17.71 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.255 W/kg

Smallest distance from peaks to all points 3 dB below = 21.2 mm

Ratio of SAR at M2 to SAR at M1 = 79.8%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

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

Medium: 1750 Head; Medium parameters used:

f = 1770.0 MHz; cond = 1.33 S/m; perm = 41.8; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/07/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7565; ConvF:(8.23,8.23,8.23); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66 (AWS), Antenna A, 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

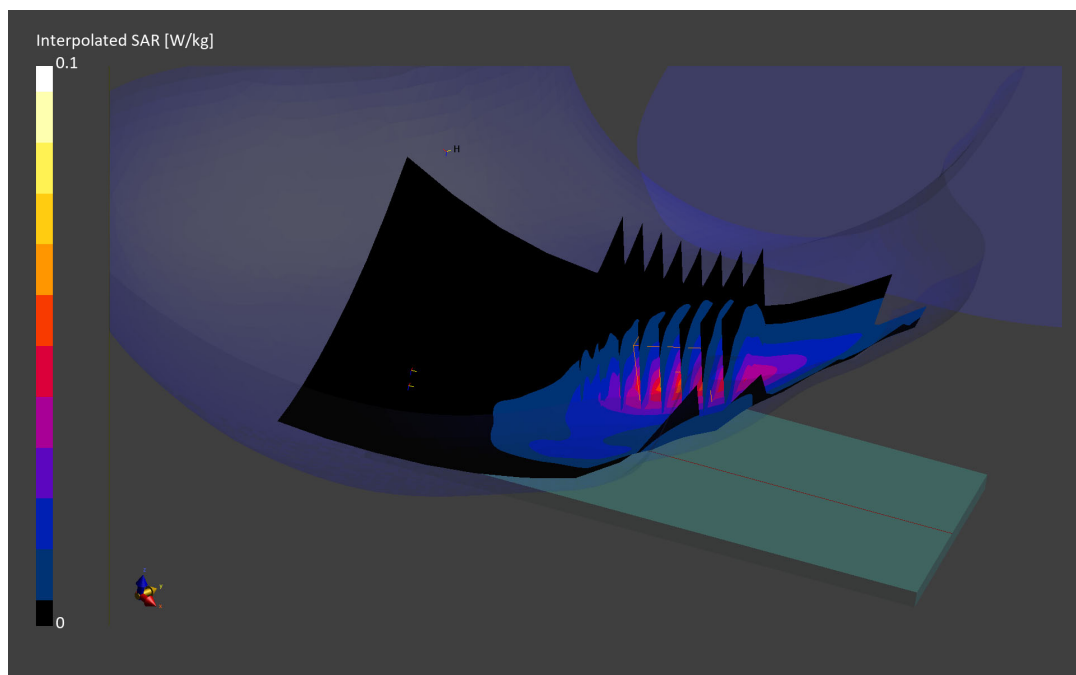
Reference Value = 0.04 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.067 W/kg

SAR(1 g) = 0.047 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 92.7 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1375M

Communication System: UID:10100 - CAE, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz

Medium: 1750 Head; Medium parameters used:

f = 1732.5 MHz; cond = 1.30 S/m; perm = 40.4; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 06/13/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7410; ConvF:(8.34,8.34,8.34); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 4, Antenna I; Left Head, Cheek, Mid Ch, 20 MHz Bandwidth,
QPSK, 100 RB, 0 RB Offset**

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

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

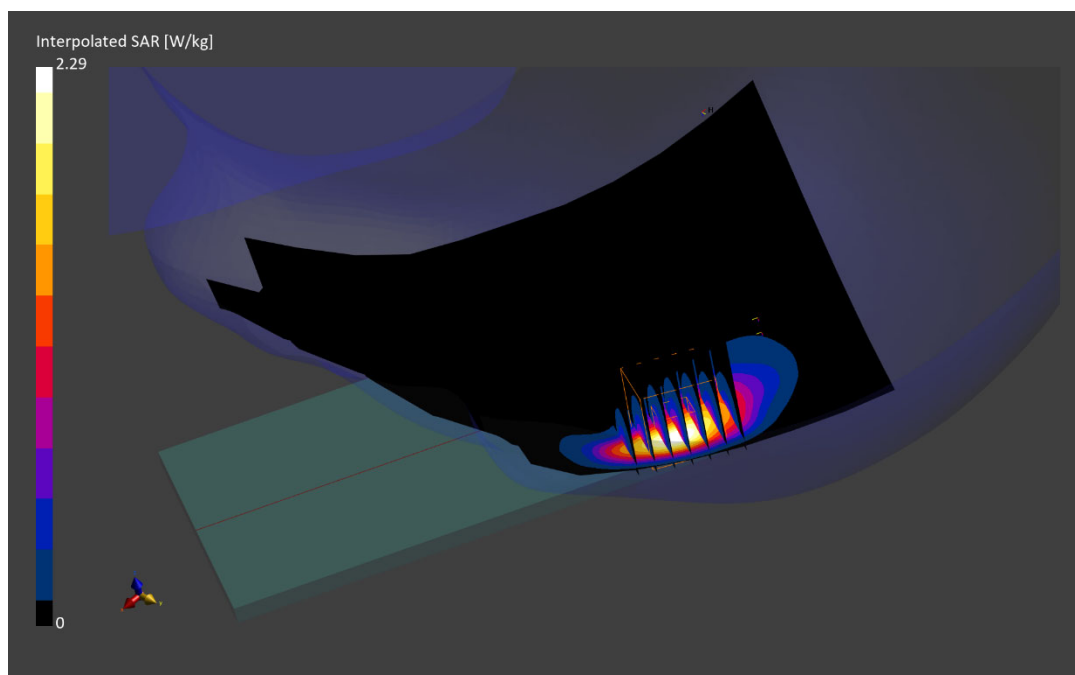
Reference Value = 0.71 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.716 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 = 76.3 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1905.0 MHz; cond = 1.41 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/10/2023; Ambient Temp: 20.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7565; ConvF:(7.89,7.89,7.89); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 25, Antenna A, Left Head, Cheek, High 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

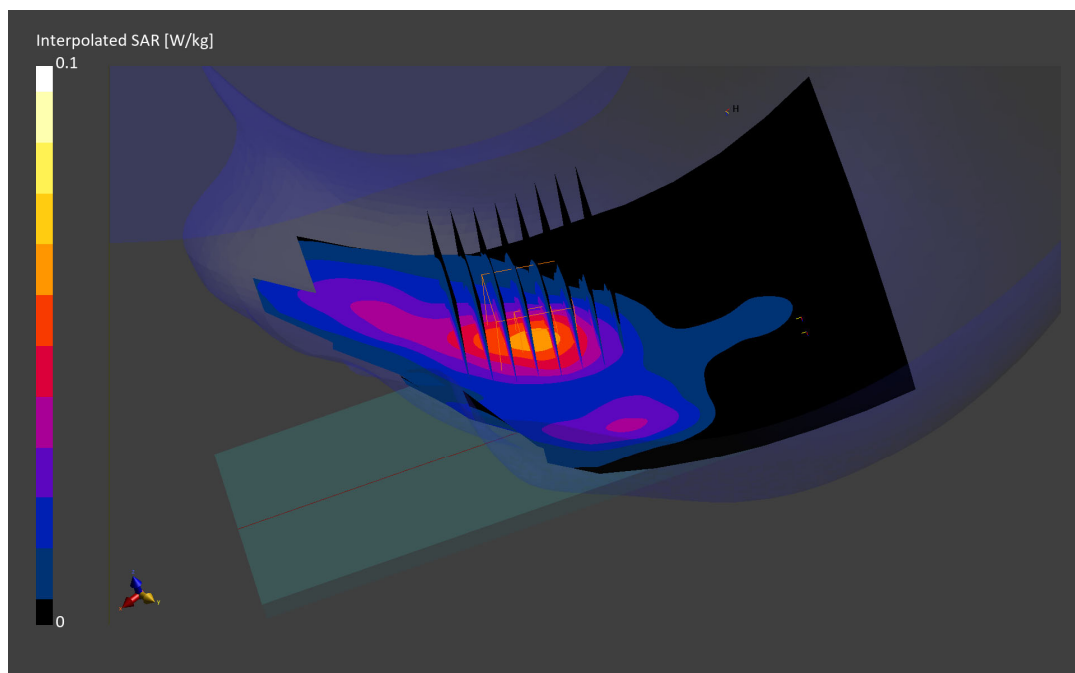
Reference Value = 0.06 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.055 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 = 91.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1391M

Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1900.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.40 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 06/12/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.28,8.28,8.28); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 2 Antenna I, Left Head, Cheek, High Ch, 20 MHz Bandwidth,
QPSK, 50 RB, 50 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.4 mm; Graded Ratio: 1.4

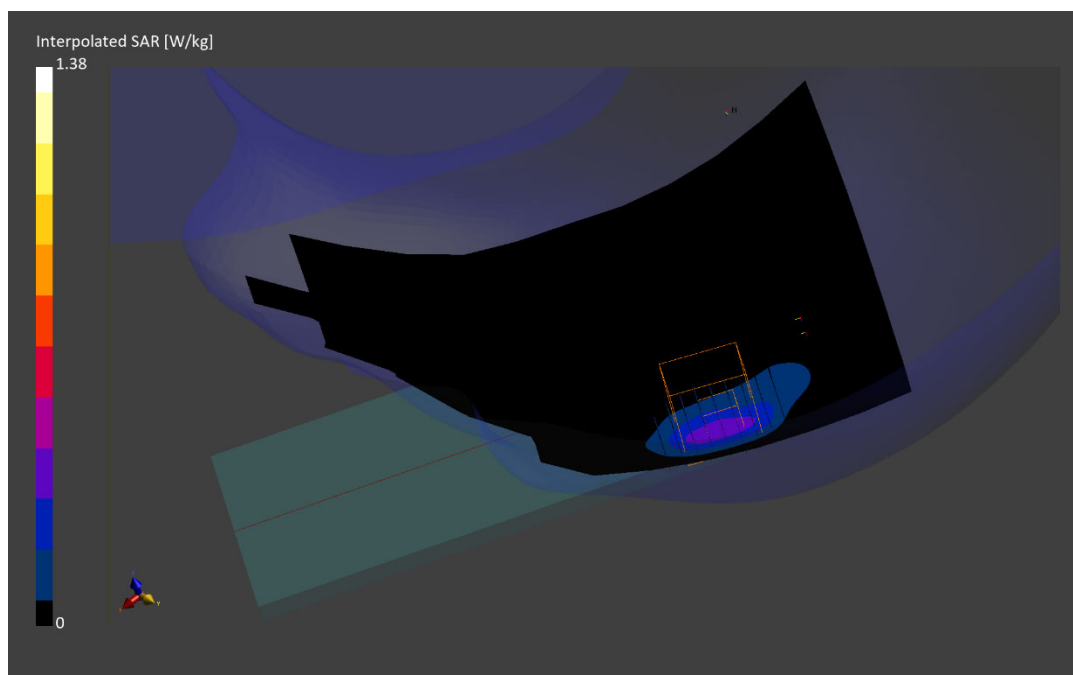
Reference Value = 0.39 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.562 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 79.7 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0172M

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2593.0 MHz; cond = 1.89 S/m; perm = 39.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/08/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Antenna B, Left Head, Cheek, Mid Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

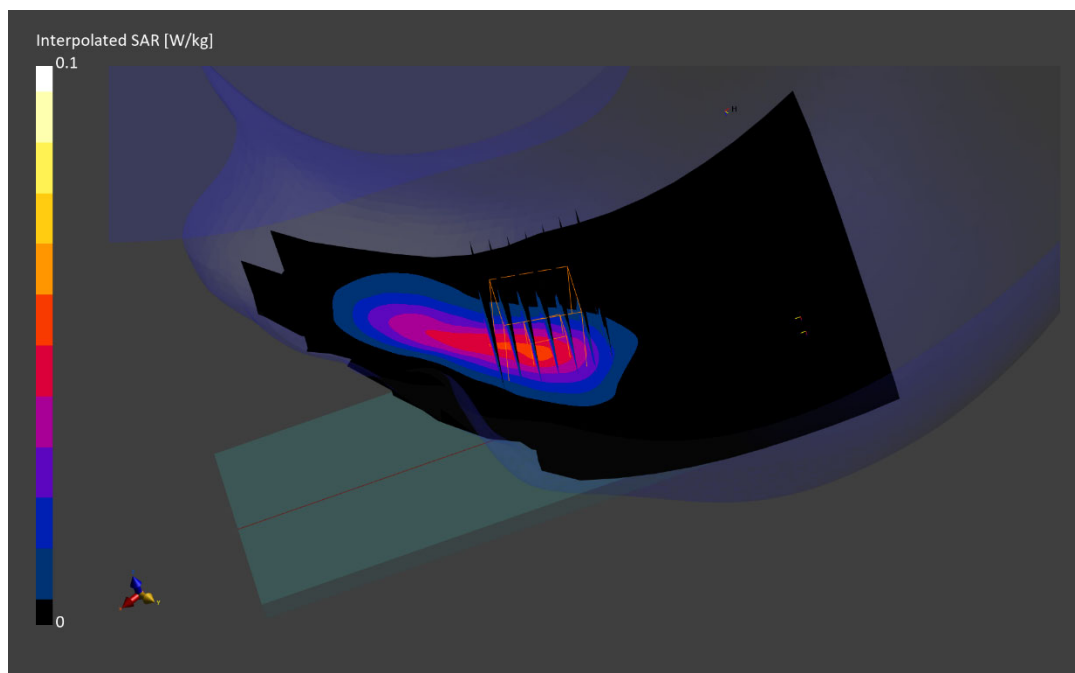
Reference Value = 0.04 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.080 W/kg

SAR(1 g) = 0.041 W/kg

Smallest distance from peaks to all points 3 dB below is 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 83.8 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0340M

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

Medium: 835 Head; Medium parameters used:

f = 836.5 MHz; cond = 0.916 S/m; perm = 43.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 05/30/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7406; ConvF:(9.86,9.86,9.86); Calibrated: 2022-07-18

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

Electronics: DAE4 Sn1677; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n5, Antenna A, 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

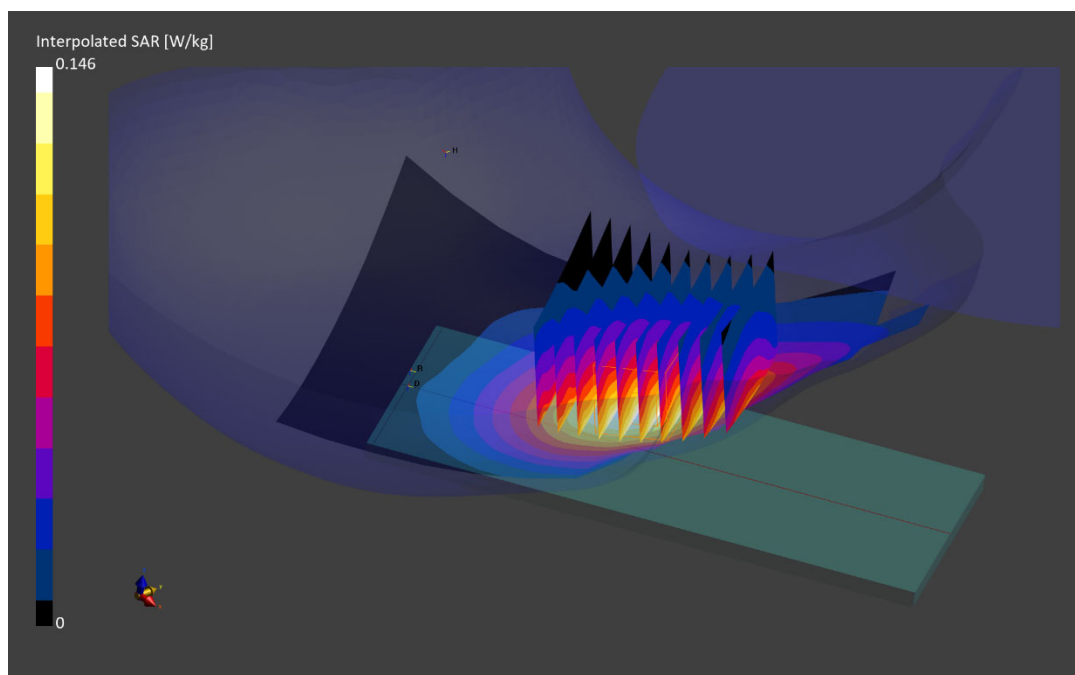
Reference Value = 0.11 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.112 W/kg

Smallest distance from peaks to all points 3 dB below is 22.3 mm

Ratio of SAR at M2 to SAR at M1 = 92.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0353M

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

Medium: 1750 Head; Medium parameters used:

f = 1745.0 MHz; cond = 1.37 S/m; perm = 38.8; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/07/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF:(8.34,8.34,8.34); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band 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 (34.2 x 34.2 x 30.0): Measurement grid: dx=5.7 mm, dy=5.7 mm, dz=1.5 mm; Graded Ratio: 1.5

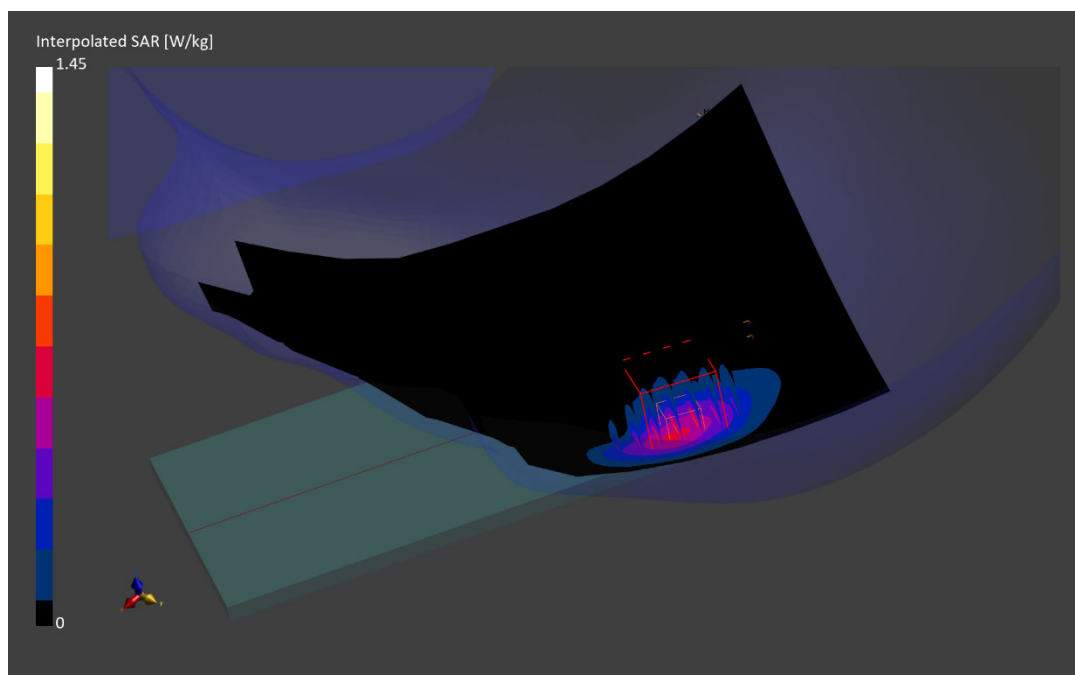
Reference Value = 0.62 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.553 W/kg

Smallest distance from peaks to all points 3 dB below is 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 77.2 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0355M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Head; Medium parameters used:

f = 1882.5 MHz; cond = 1.37 S/m; perm = 39.4; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/19/2023; Ambient Temp: 22.5°C; Tissue Temp: 24.5°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n25, Antenna I, Left Head, Cheek,
40 MHz Bandwidth, Ch. 376500, 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=5.1 mm, dy=5.1 mm, dz=1.5 mm; Graded Ratio: 1.5

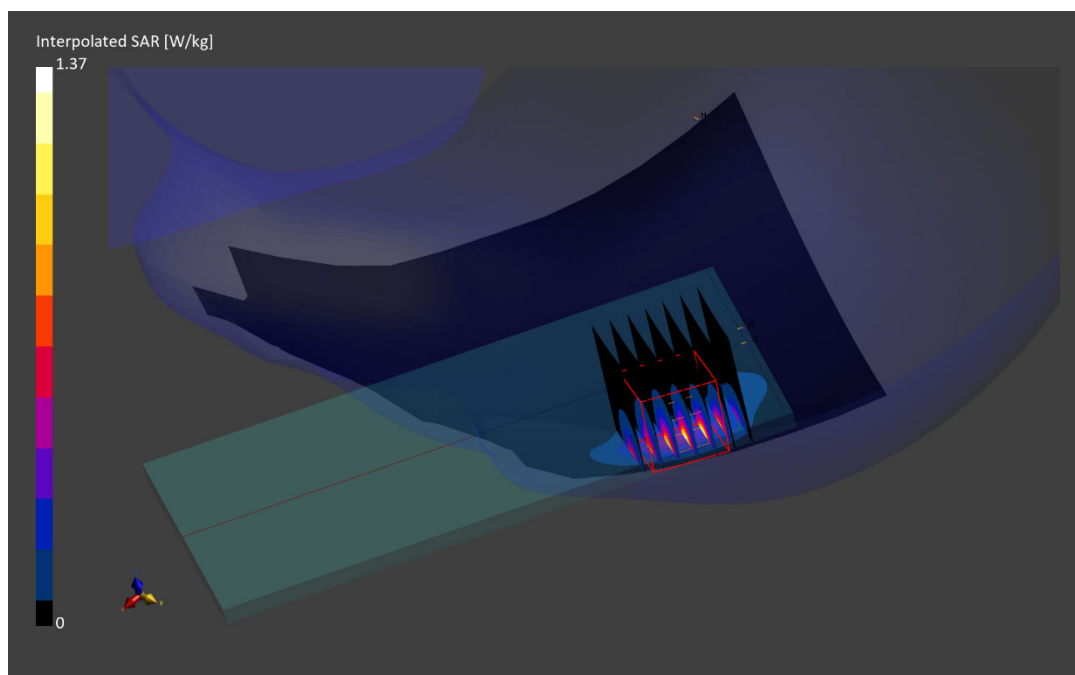
Reference Value = 0.55 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.602 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0433M

Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2593.0 MHz; cond = 1.92 S/m; perm = 39.2; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/04/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7421; ConvF:(7.2,7.2,7.2); Calibrated: 2023-03-16

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

Electronics: DAE4 Sn604; Calibrated: 2023-03-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n41, Antenna I, Left Head, Cheek, Ch. 518598,
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 (30.0 x 30.0 x 30.0): Measurement grid: dx=3.9 mm, dy=3.9 mm, dz=1.4 mm; Graded Ratio: 1.4

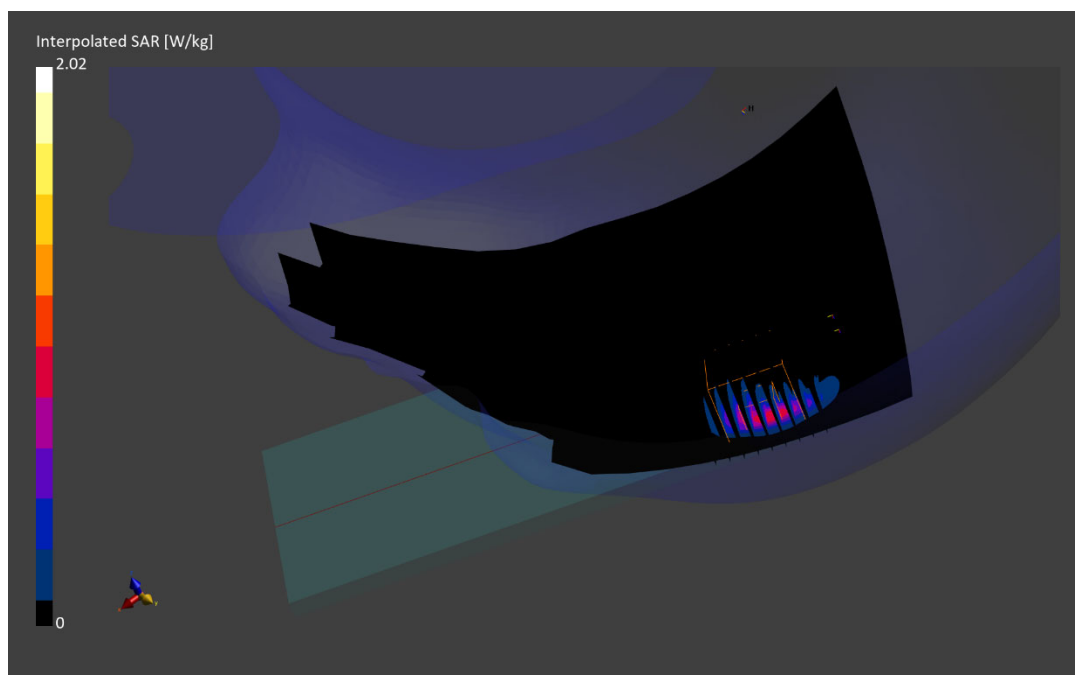
Reference Value = 0.89 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.697 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 72.7 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0433M

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

Medium: 3600 Head; Medium parameters used:

f = 3500.0 MHz; cond = 2.96 S/m; perm = 37.0; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/03/2023; Ambient Temp: 22.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7490; ConvF:(6.9,6.9,6.9); Calibrated: 2022-12-09

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

Electronics: DAE4 Sn1644; Calibrated: 2022-12-13

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 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=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

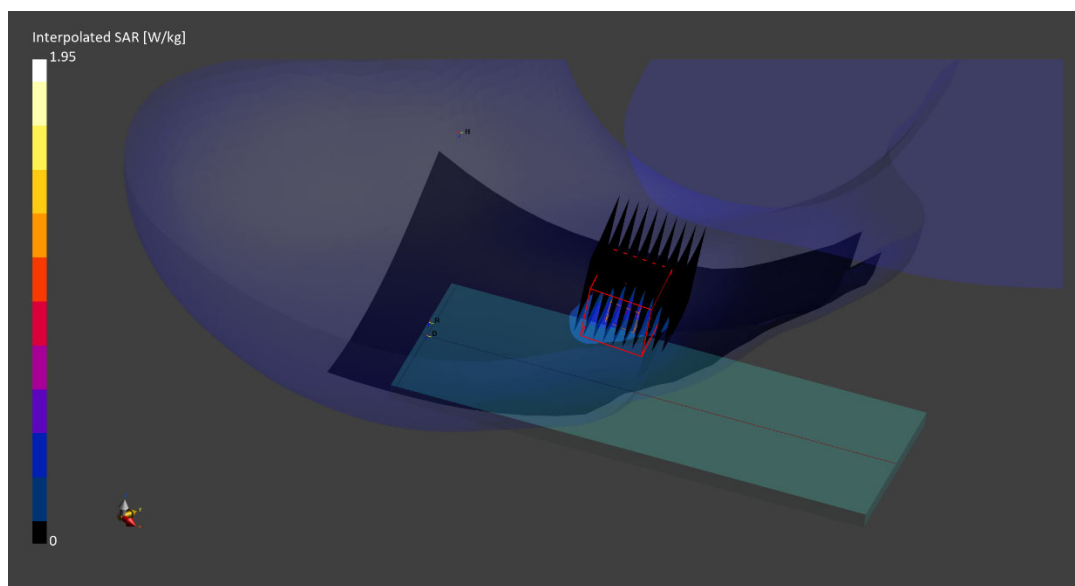
Reference Value = 0.40 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.510 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 = 68.6 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1320M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2412.0 MHz; cond = 1.79 S/m; perm = 40.7; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 06/01/2023; Ambient Temp: 20.1°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

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

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

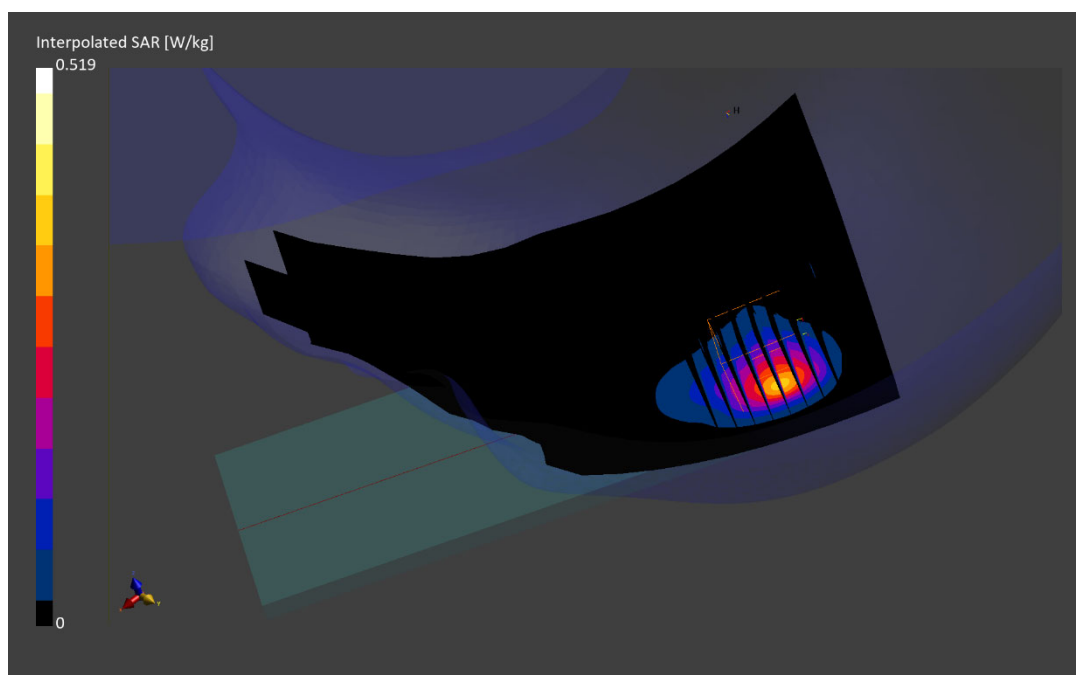
Reference Value = 0.26 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.269 W/kg

Smallest distance from peaks to all points 3 dB below is 8.0 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5825.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5825.0 MHz; cond = 5.19 S/m; perm = 34.1; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/14/2023; Ambient Temp: 21.2°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7570; ConvF:(4.92,4.92,4.92); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-3, MIMO, Ch. 165,
Left Head, Cheek, 13 Mbps**

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

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

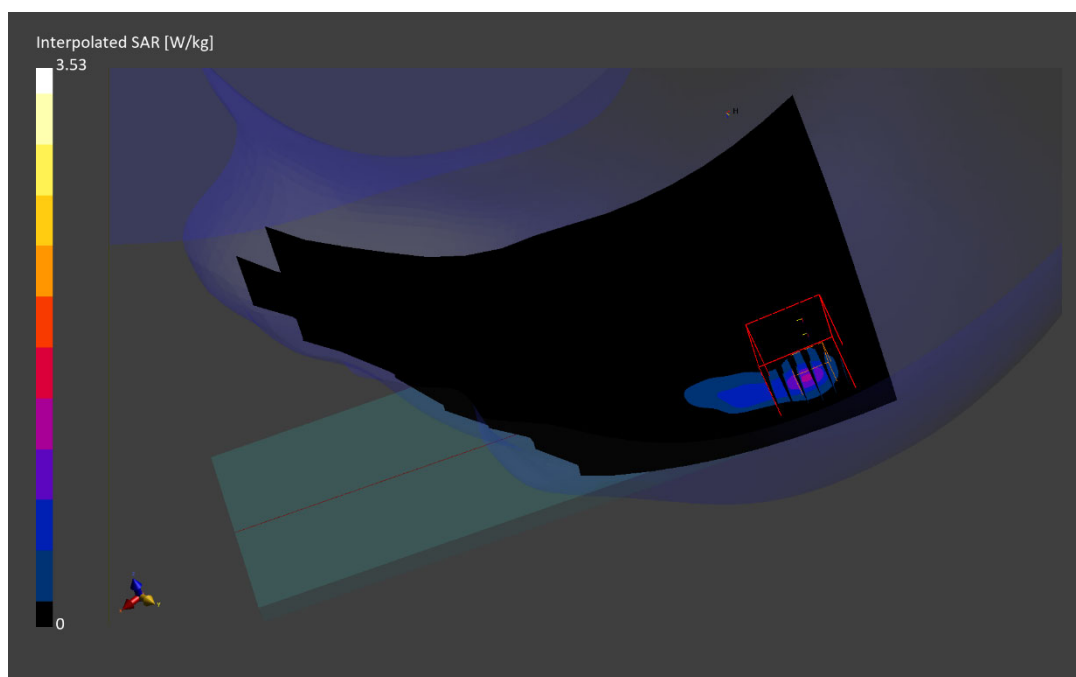
Reference Value = 0.55 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 0.806 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 = 59.4 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0164M

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

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$ MHz; $\text{cond} = 1.81$ S/m; $\text{perm} = 39.6$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/04/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.46,7.46,7.46); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 2, Left Head, Cheek, Ch. 39, 1 Mbps

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

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

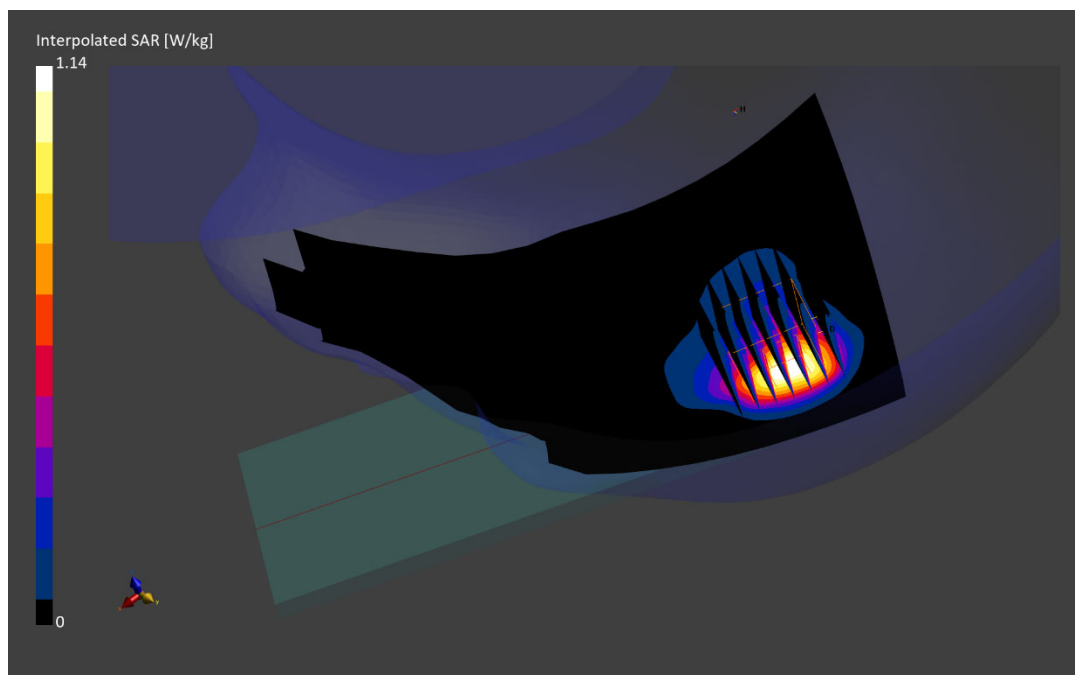
Reference Value = 0.70 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.631 W/kg

Smallest distance from peaks to all points 3 dB below is 9.2 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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

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

$f = 848.8$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 52.918$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/24/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 848.8 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

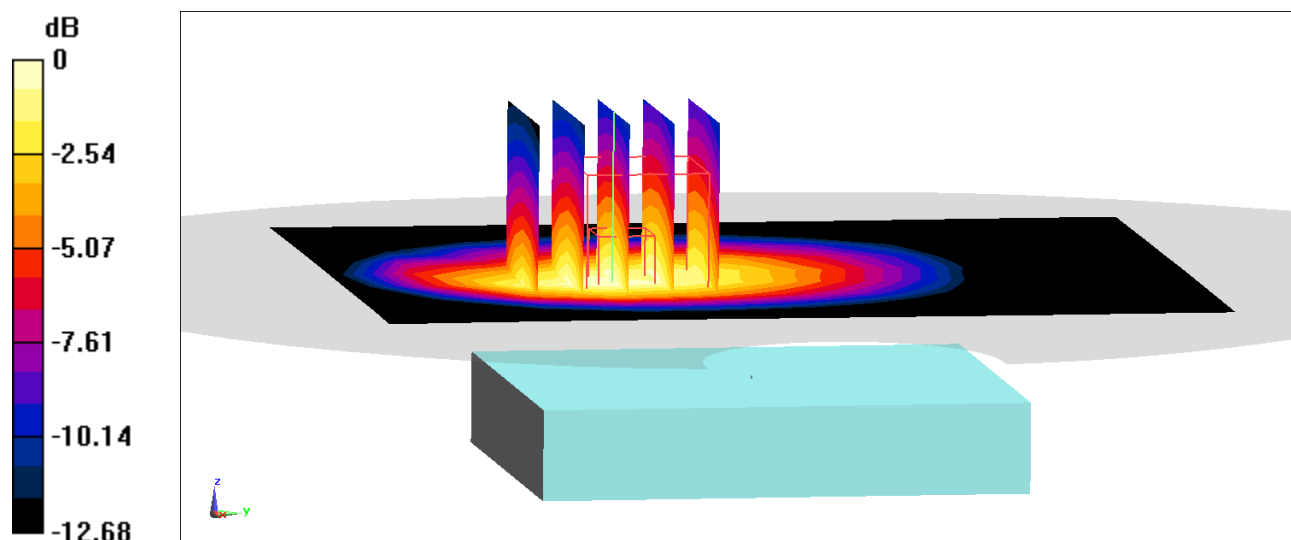
Reference Value = 18.51 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.312 W/kg

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

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1909.8 MHz

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.49 S/m; perm = 52.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/05/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7565; ConvF:(7.54,7.54,7.54); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna A, 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

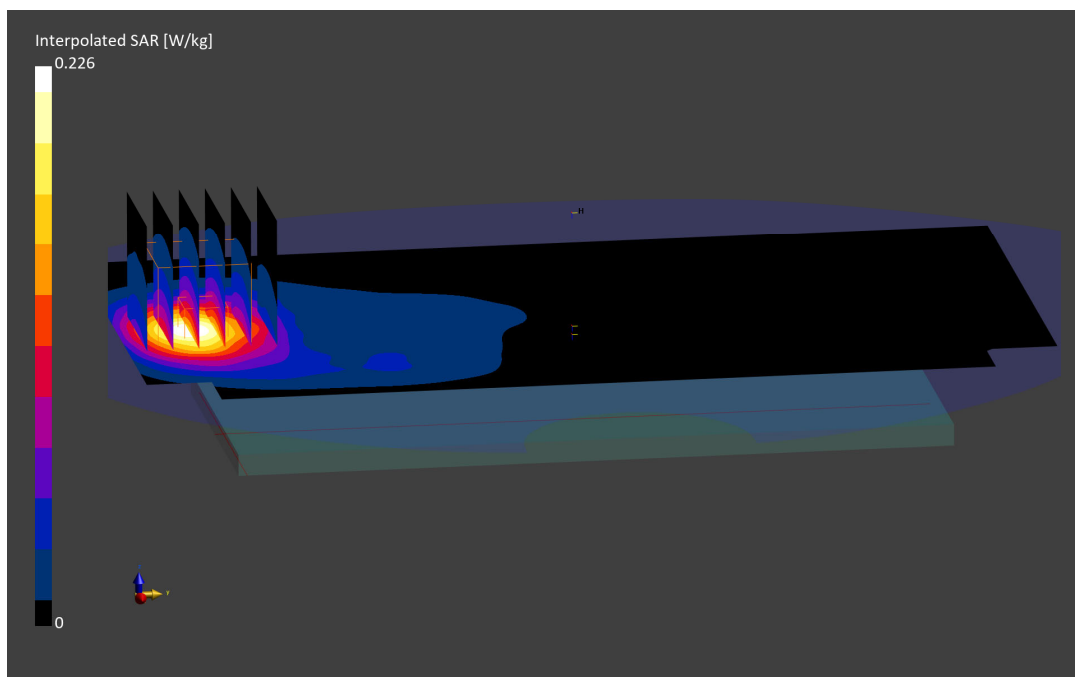
Reference Value = 0.14 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.141 W/kg

Smallest distance from peaks to all points 3 dB below is 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 87.2 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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

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

$f = 846.6$ MHz; $\sigma = 0.971$ S/m; $\epsilon_r = 52.505$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/19/2023; Ambient Temp: 21.7°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 846.6 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

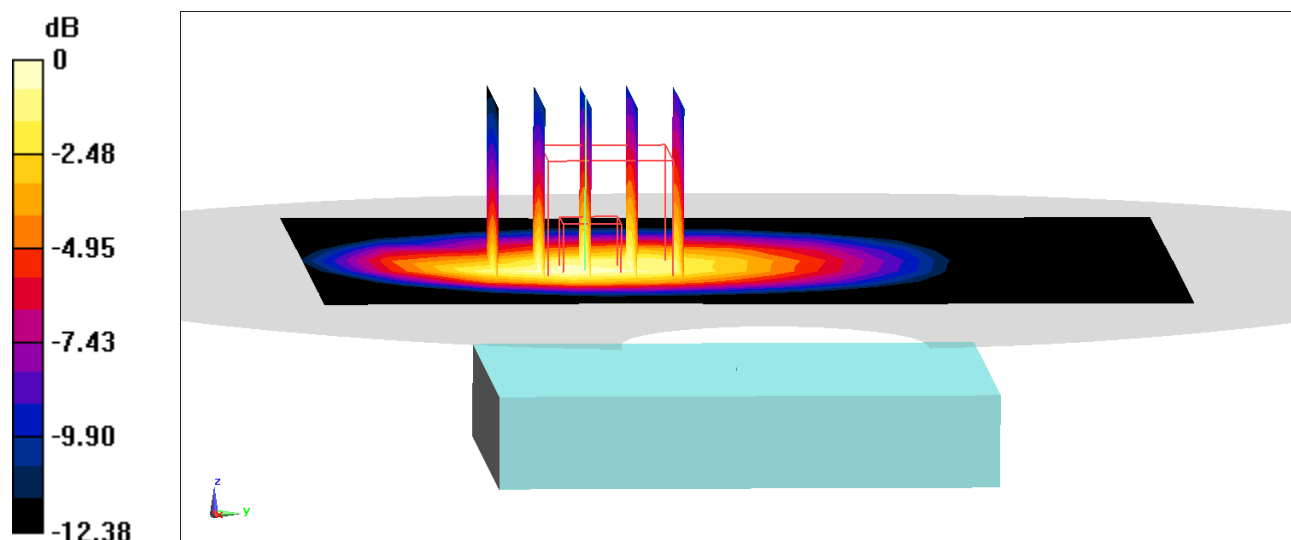
Reference Value = 20.56 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.385 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 65.4%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0346M

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 = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/24/2023; Ambient Temp: 21.5°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7547; ConvF:(7.87,7.87,7.87); Calibrated: 2022-10-19

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

Electronics: DAE4 Sn1322; Calibrated: 2022-10-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 240.0): 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

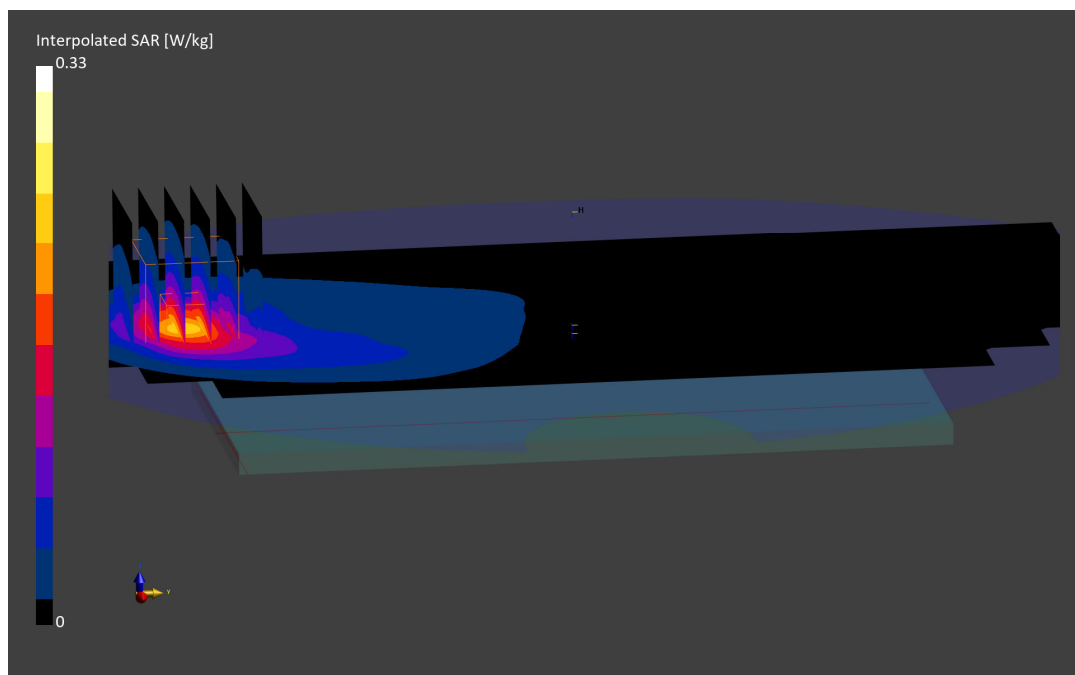
Reference Value = 0.21 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.199 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 = 86.5 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1391M

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

Medium: 1900 Body; Medium parameters used:

f = 1907.6 MHz; cond = 1.52 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/15/2023; Ambient Temp: 23.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7570; ConvF:(8.18,8.18,8.18); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, 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

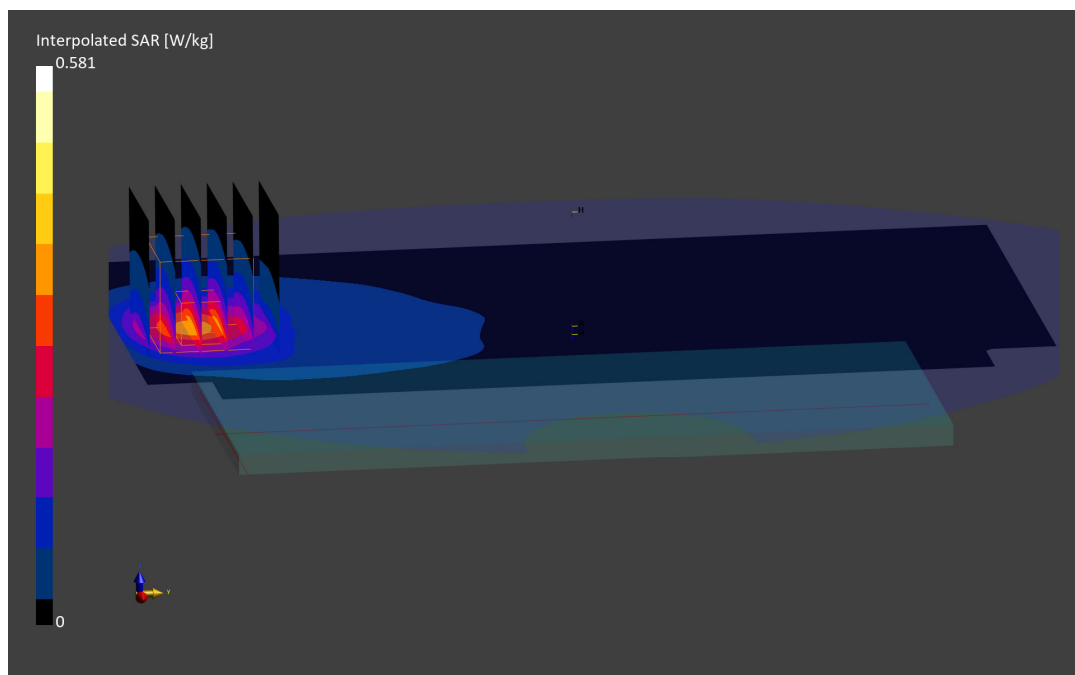
Reference Value = 0.35 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.581 W/kg

SAR(1 g) = 0.335 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 84.1 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0381M

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

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

$f = 707.5 \text{ MHz}$; $\sigma = 0.974 \text{ S/m}$; $\epsilon_r = 53.201$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/03/2023; Ambient Temp: 20.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 707.5 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

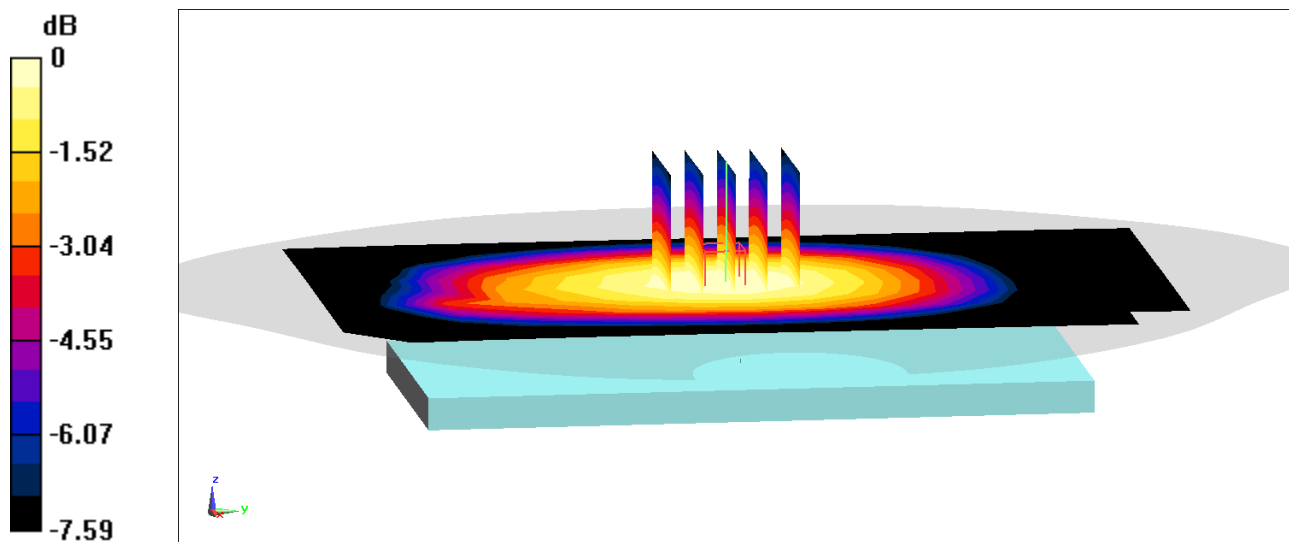
Reference Value = 17.96 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.304 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 = 75.6%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0381M

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

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

$f = 782 \text{ MHz}$; $\sigma = 1.002 \text{ S/m}$; $\epsilon_r = 53.058$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/03/2023; Ambient Temp: 20.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 782 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

**Mode: LTE Band 13, Antenna A, 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: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

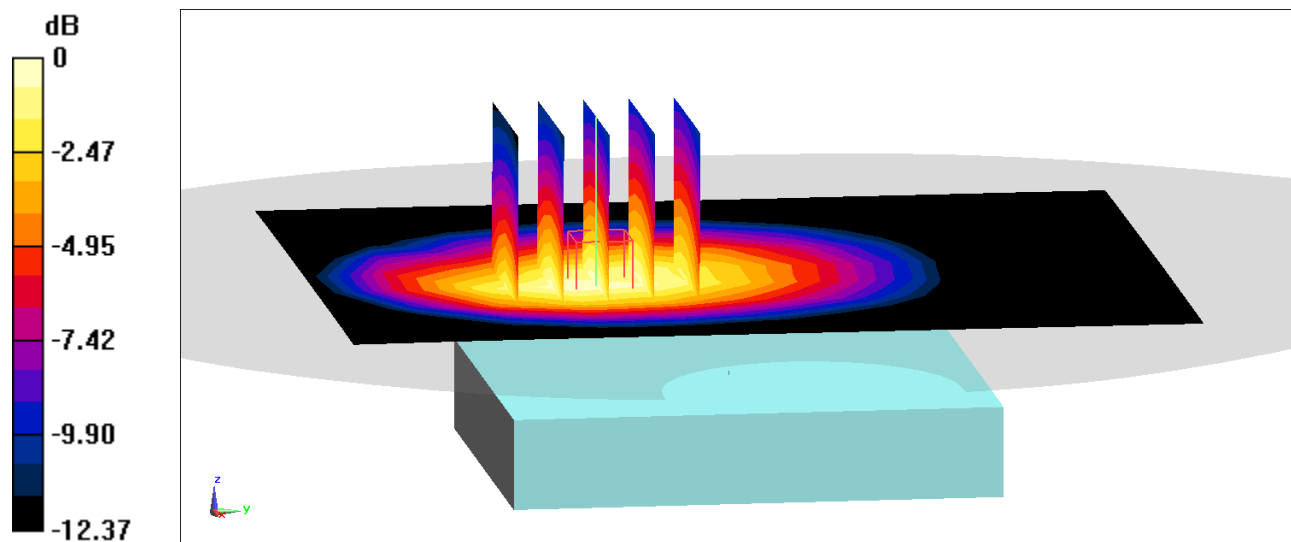
Reference Value = 18.67 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.328 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 65.4%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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; $\sigma = 0.943$ S/m; $\epsilon_r = 53.082$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/24/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 831.5 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

**Mode: LTE Band 26 (Cell.), Antenna A, Closed, Body SAR, Back side, Mid.ch,
15 MHz Bandwidth, QPSK, 1 RB, 74 RB Offset**

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

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

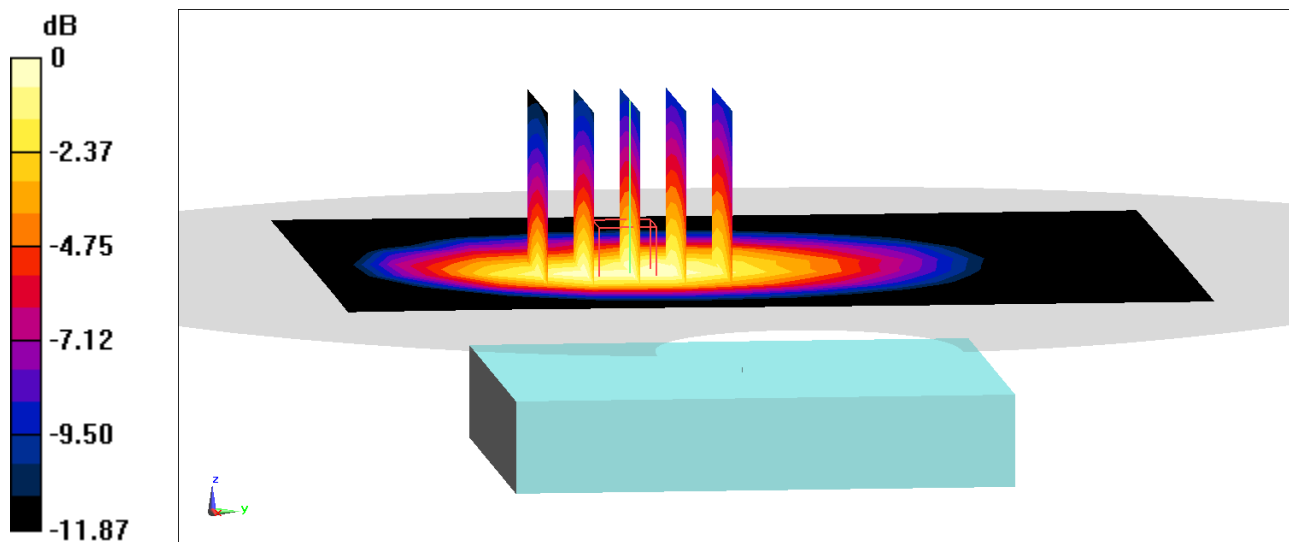
Reference Value = 17.59 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.275 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 66.3%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1770.0 MHz; cond = 1.48 S/m; perm = 52.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 04/24/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7565; ConvF:(7.94,7.94,7.94); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66 (AWS), Antenna A, Open, Body SAR, Back Side, High Ch.,
20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset**

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

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

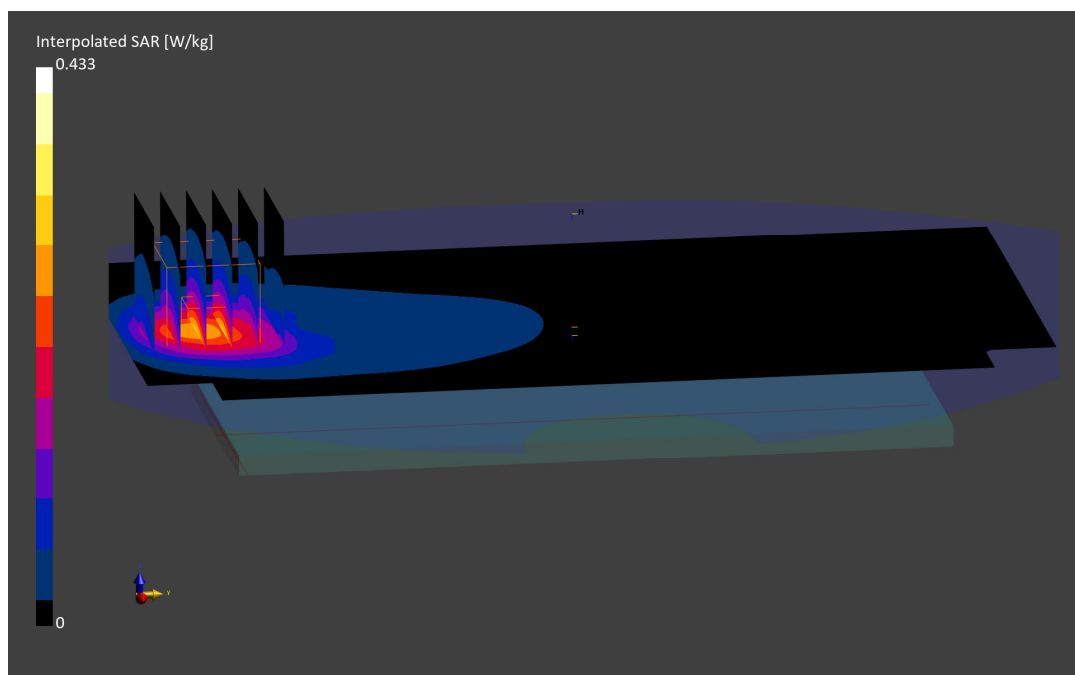
Reference Value = 0.26 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.266 W/kg

Smallest distance from peaks to all points 3 dB below is 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 87.5 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1905.0 MHz; cond = 1.49 S/m; perm = 53.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/12/2023; Ambient Temp: 19.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7565; ConvF:(7.54,7.54,7.54); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

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

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

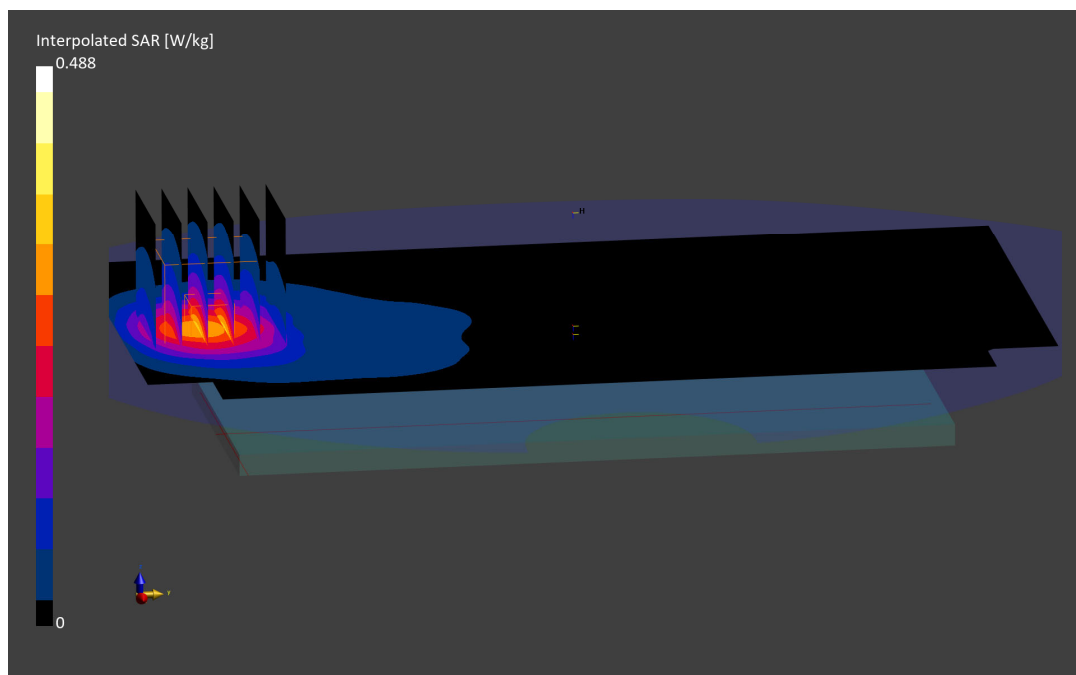
Reference Value = 0.30 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.303 W/kg

Smallest distance from peaks to all points 3 dB below is 11.9 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0317M

Communication System: UID:10172 - CAG, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2593.0$ MHz; $\text{cond} = 2.19$ S/m; $\text{perm} = 50.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/10/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7420; ConvF:(7.27,7.27,7.27); Calibrated: 2022-10-20

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

Electronics: DAE4 Sn1333; Calibrated: 2022-10-13

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Power Class 2, Antenna I, Open, Body SAR, Back Side, Mid Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

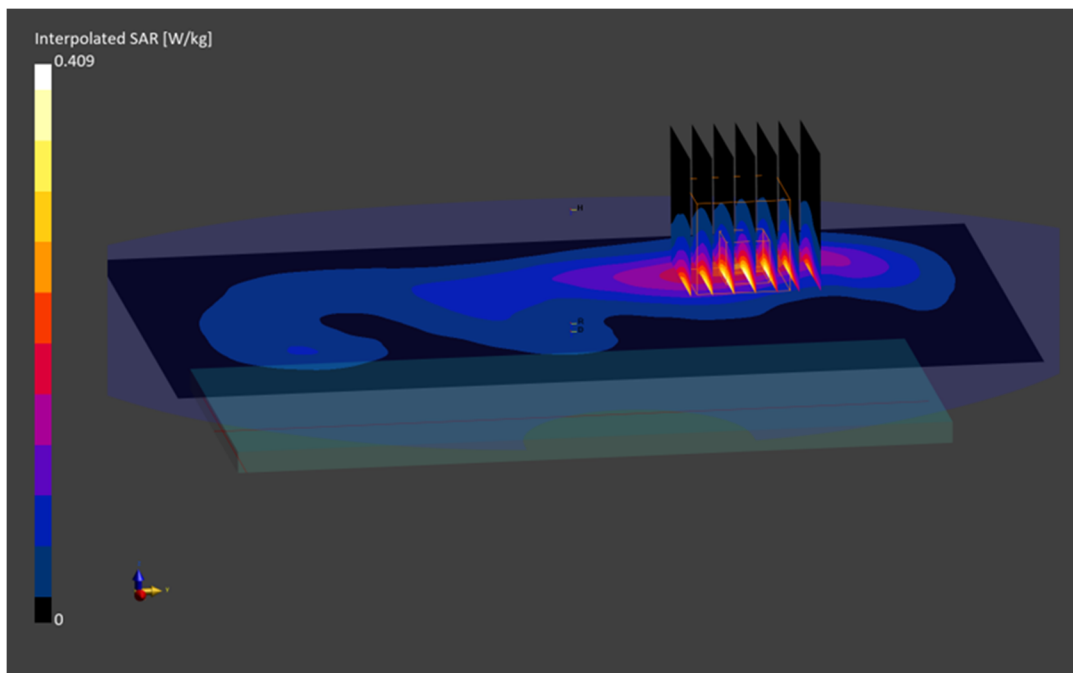
1.5 Reference Value = 0.15 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.199 W/kg

Smallest distance from peaks to all points 3 dB below is 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 78.4 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0340M

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; $\text{cond} = 0.941$ S/m; $\text{perm} = 57.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/04/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(9.81,9.81,9.81); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n5, Antenna, 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

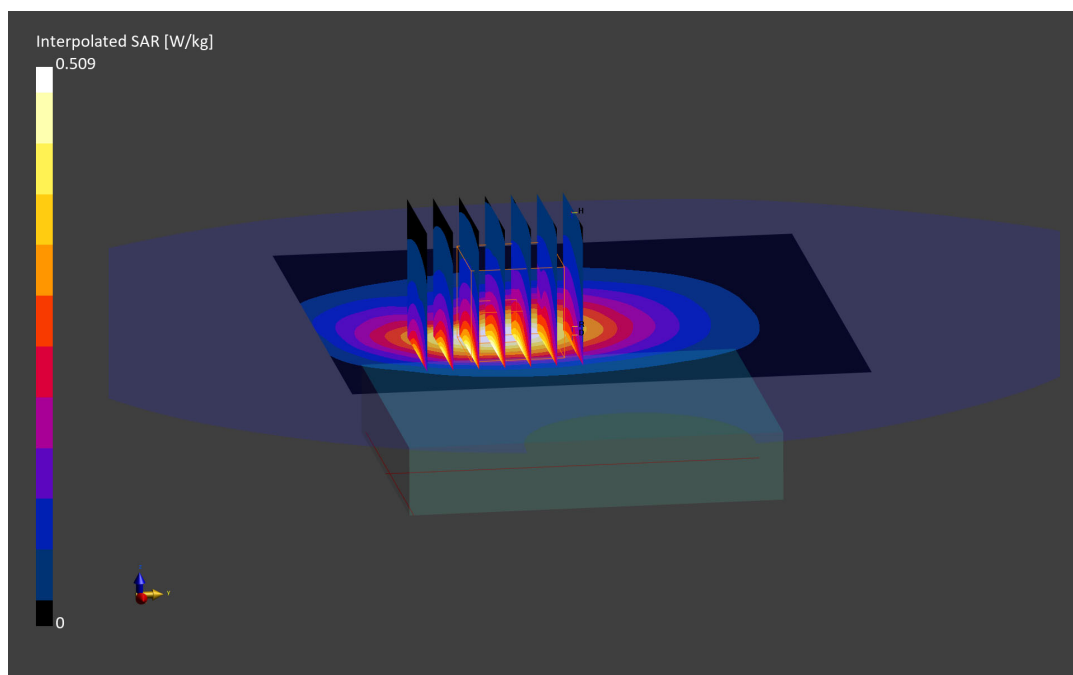
Reference Value = 0.29 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.313 W/kg

Smallest distance from peaks to all points 3 dB below is 16.4 mm

Ratio of SAR at M2 to SAR at M1 = 85.2 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1505M

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

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.53 S/m; perm = 51.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/29/2023; Ambient Temp: 22.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.76,8.76,8.76); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1530; Calibrated: 2023-01-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n66, Antenna A, Open, Body SAR, Back Side, Ch. 349000, 40 MHz
Bandwidth, DFT-s-OFDM QPSK, 108 RB, 0 RB Offset**

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

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

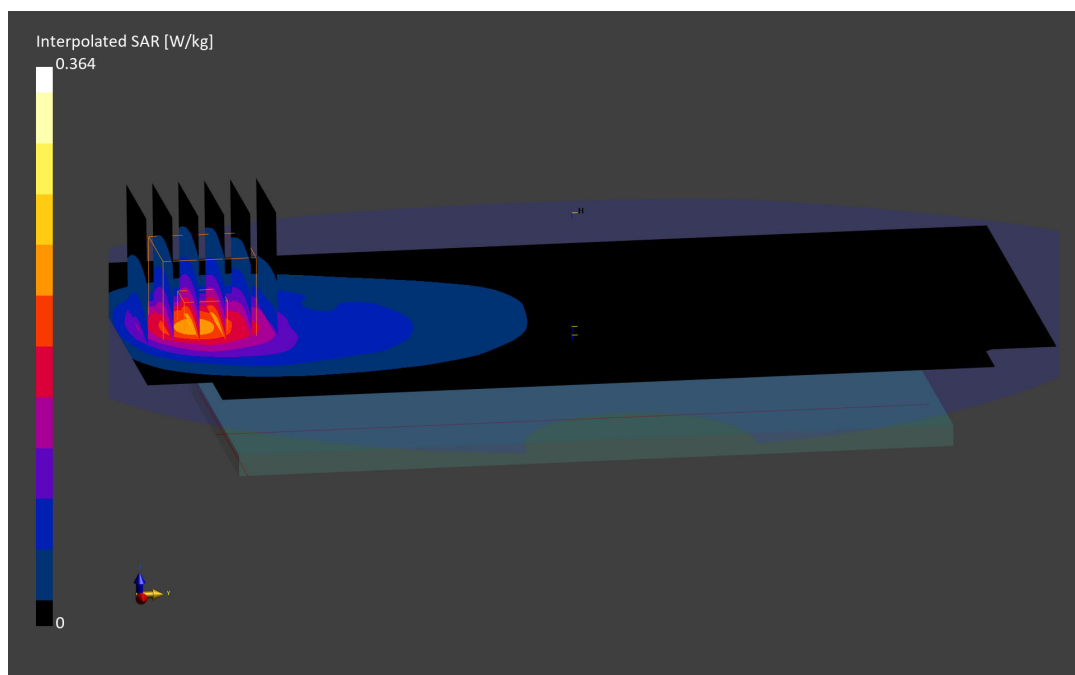
Reference Value = 0.24 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.216 W/kg

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

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0355M

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

Medium: 1900 Body; Medium parameters used:

f = 1882.5 MHz; cond = 1.53 S/m; perm = 50.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/07/2023; Ambient Temp: 22.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7409; ConvF:(7.66,7.66,7.66); Calibrated: 2022-06-16

Sensor-Surface: 1.4mm (All points)

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n25, Antenna I, Open, Body 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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

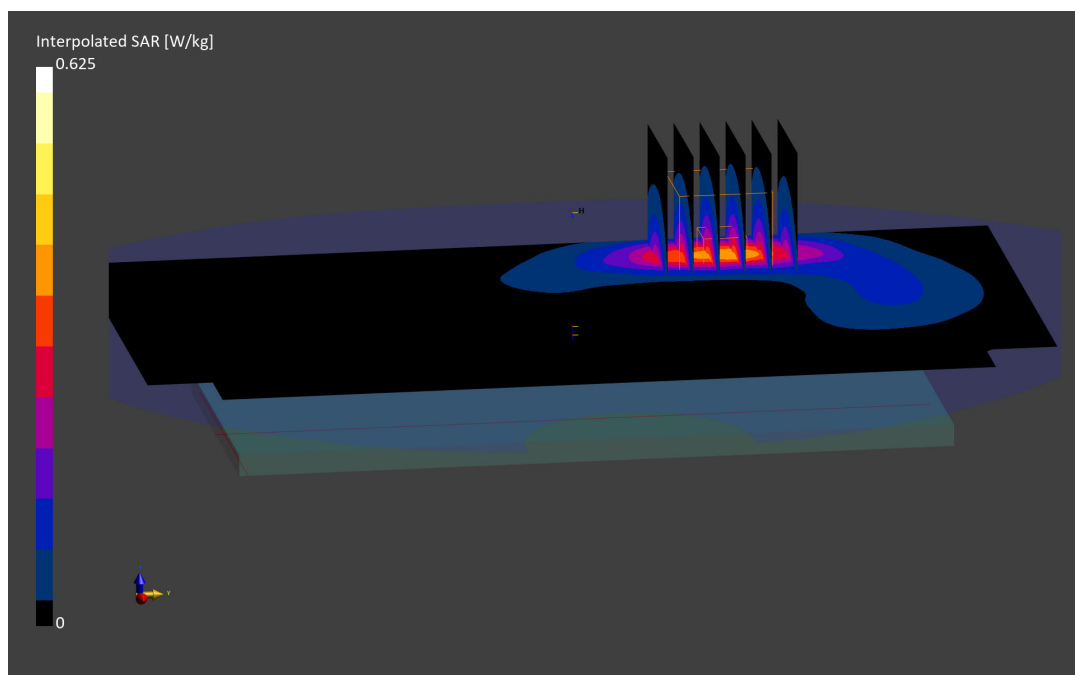
Reference Value = 0.35 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.362 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 = 85.8 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0433M

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; $\text{cond} = 2.21$ S/m; $\text{perm} = 52.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/03/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7416; ConvF:(7.42,7.42,7.42); Calibrated: 2022-05-18

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

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

Phantom: Twin-SAM V8.0; Serial: 2067

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n41, Antenna I, Open Body SAR, Back Side, Ch. 518598,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 137 RB Offset**

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

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

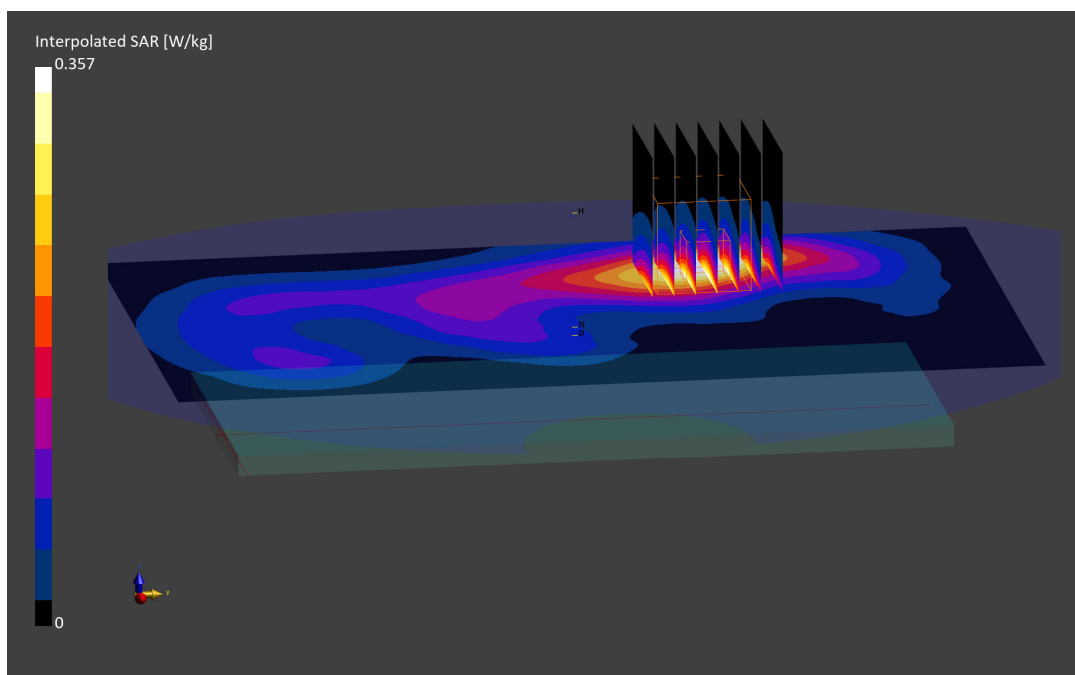
Reference Value = 0.19 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.174 W/kg;

Smallest distance from peaks to all points 3 dB below is 14.5 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0433M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3500.0 MHz; cond = 3.38 S/m; perm = 49.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/31/2023; Ambient Temp: 20.1°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN3837; ConvF:(6.19,6.19,6.19); Calibrated: 2023-01-17

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

Electronics: DAE4 Sn793; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

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

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

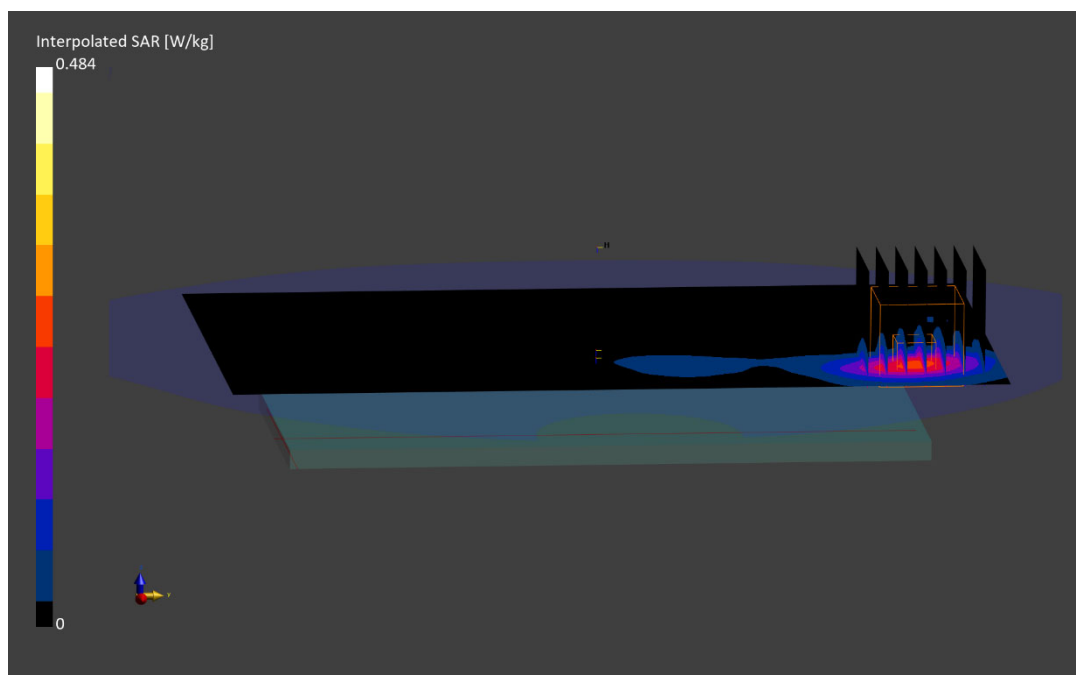
Reference Value = 0.16 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.484 W/kg

SAR(1 g) = 0.207 W/kg

Smallest distance from peaks to all points 3 dB below is 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 76.5 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

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

Medium: 2450 Body; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 2.05$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/07/2023; Ambient Temp: 21.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO, Open,
Body SAR, Back Side, Ch. 11, 1 Mbps**

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

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

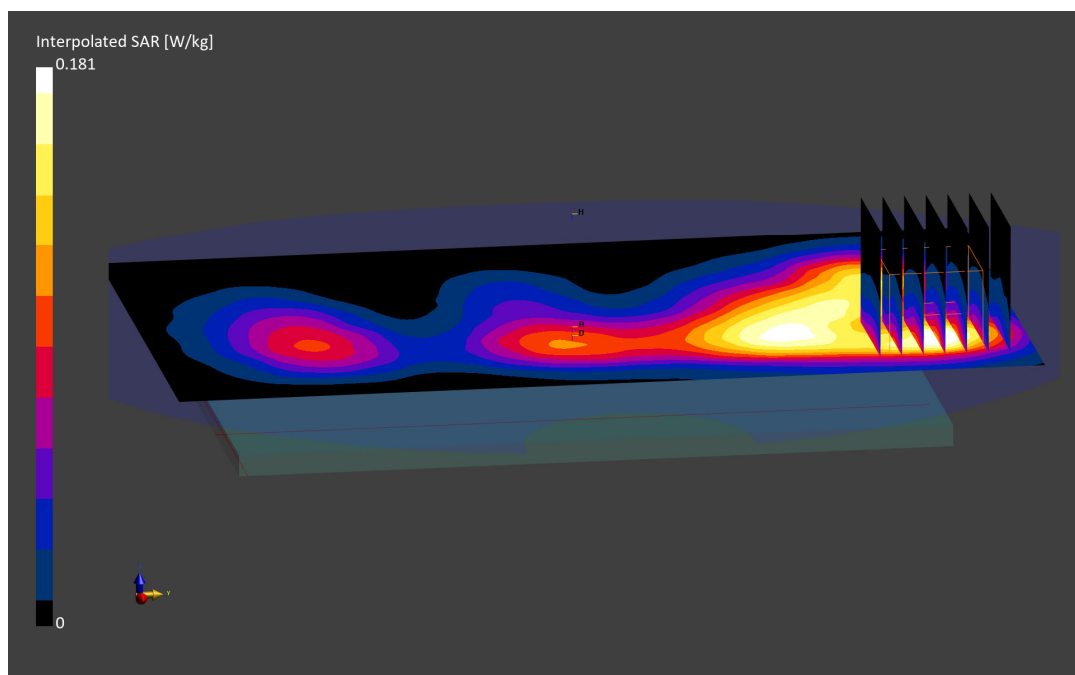
Reference Value = 0.09 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.096 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 80.7 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5260.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5260.0 MHz; cond = 5.37 S/m; perm = 46.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/04/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7570; ConvF:(4.89,4.89,4.89); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-2A, MIMO,
Ch. 52, Open, Body SAR, Back Side, 13 Mbps**

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

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

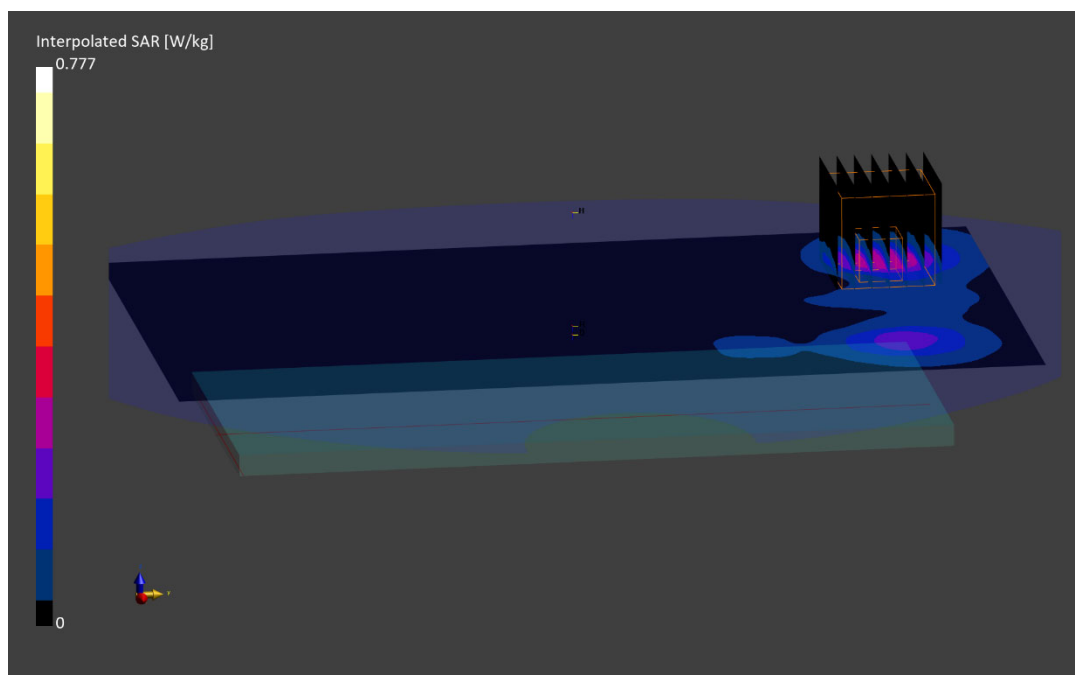
Reference Value = 0.20 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.241 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 = 65.2 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

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

Medium: 2450 Body; Medium parameters used:

f = 2441.0 MHz; cond = 2.02 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/07/2023; Ambient Temp: 21.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 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

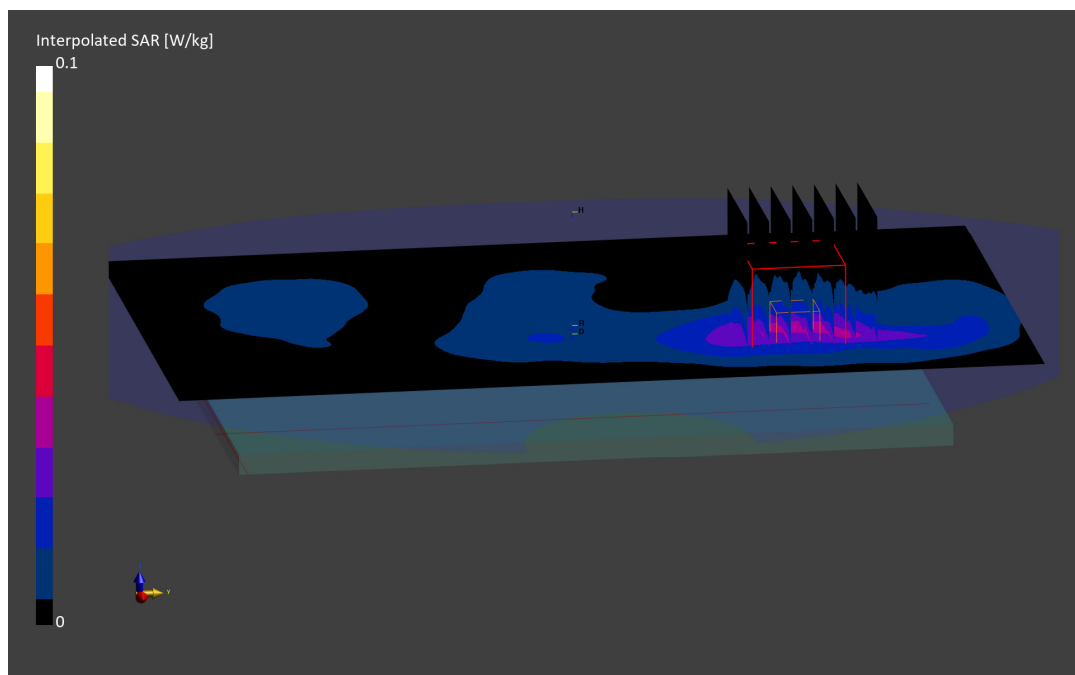
Reference Value = 0.03 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.031 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 84.6 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

Communication System: UID 0, _GSM GPRS; 4 Tx slots; Frequency: 836.6 MHz; Duty Cycle: 1:2.076

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

$f = 836.6$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 52.613$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 04/19/2023; Ambient Temp: 21.7°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 836.6 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

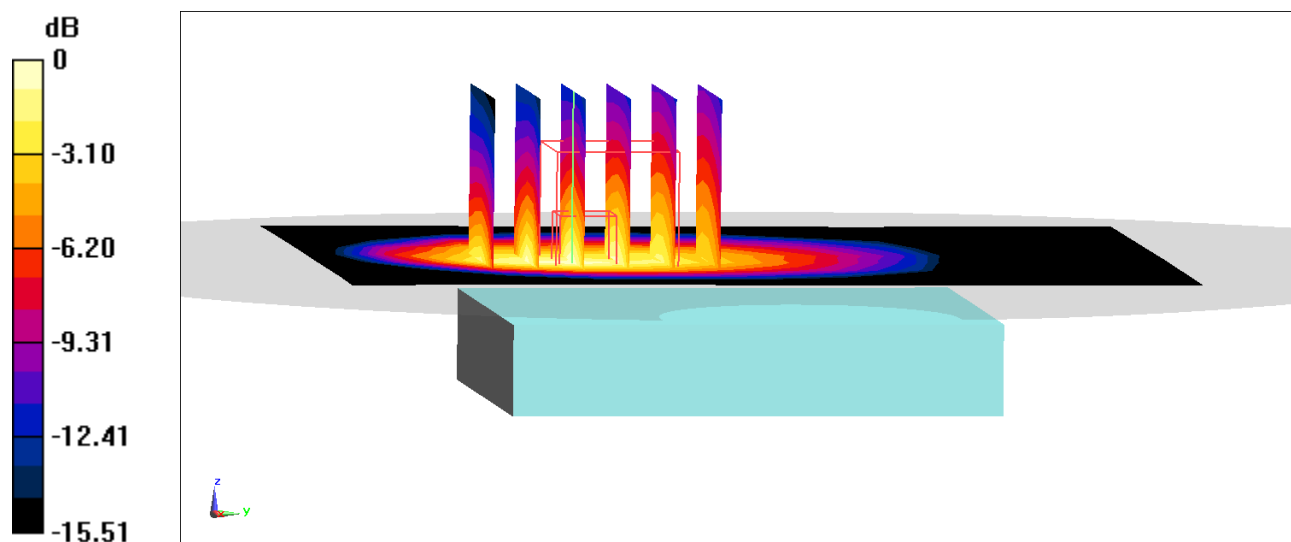
Reference Value = 24.59 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.537 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.2%



0 dB = 0.796 W/kg = -0.99 dBW/kg

ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.49 S/m; perm = 52.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/05/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7565; ConvF:(7.54,7.54,7.54); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GPRS 1900, Antenna A, 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=5.2 mm, dy=5.2 mm, dz=1.5 mm; Graded Ratio: 1.5

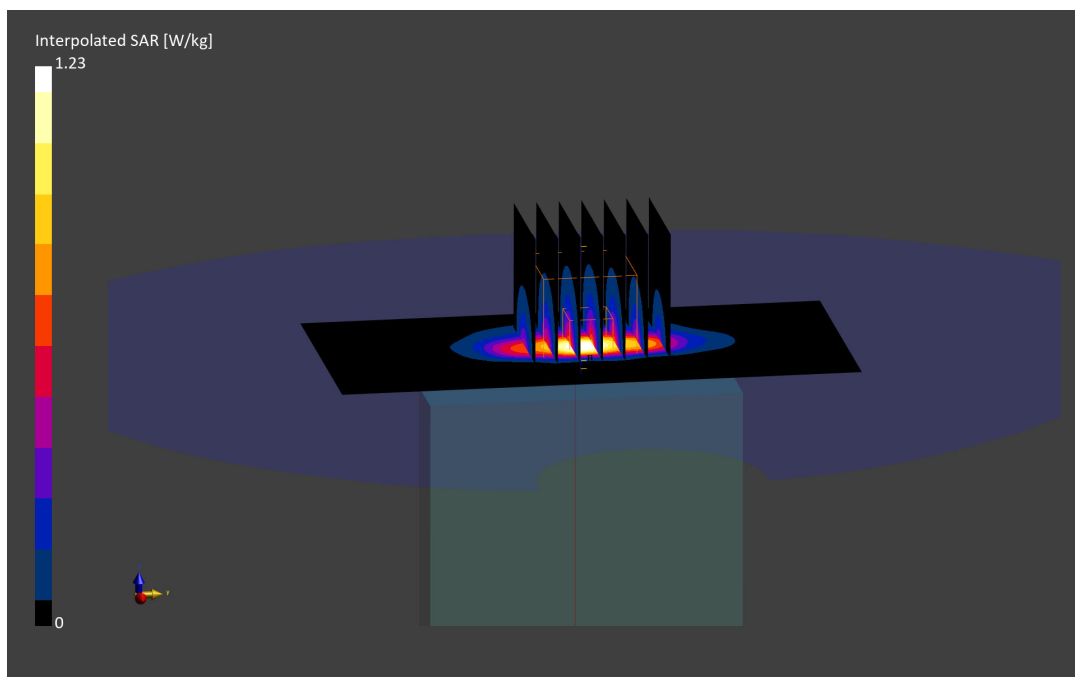
Reference Value = 0.48 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.579 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 = 80.0 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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

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

$f = 836.6$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 52.613$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 04/19/2023; Ambient Temp: 21.7°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 836.6 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

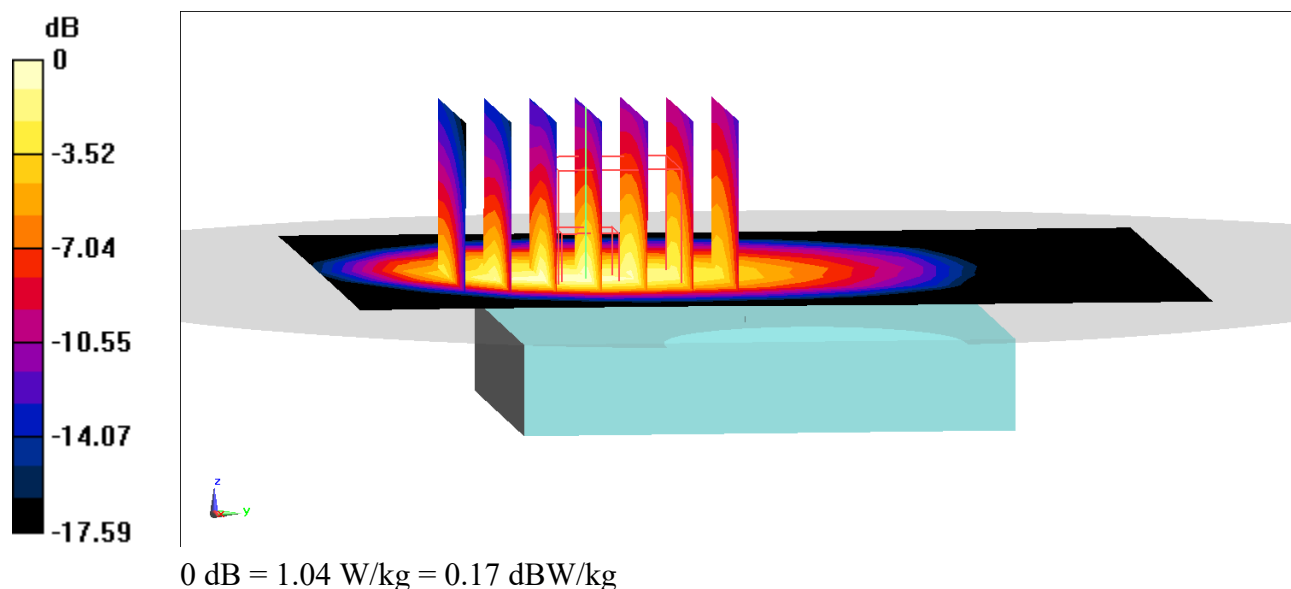
Reference Value = 26.99 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.716 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.7%



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0346M

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 = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/24/2023; Ambient Temp: 21.5°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7547; ConvF:(7.87,7.87,7.87); Calibrated: 2022-10-19

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

Electronics: DAE4 Sn1322; Calibrated: 2022-10-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna A, Open, Body 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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

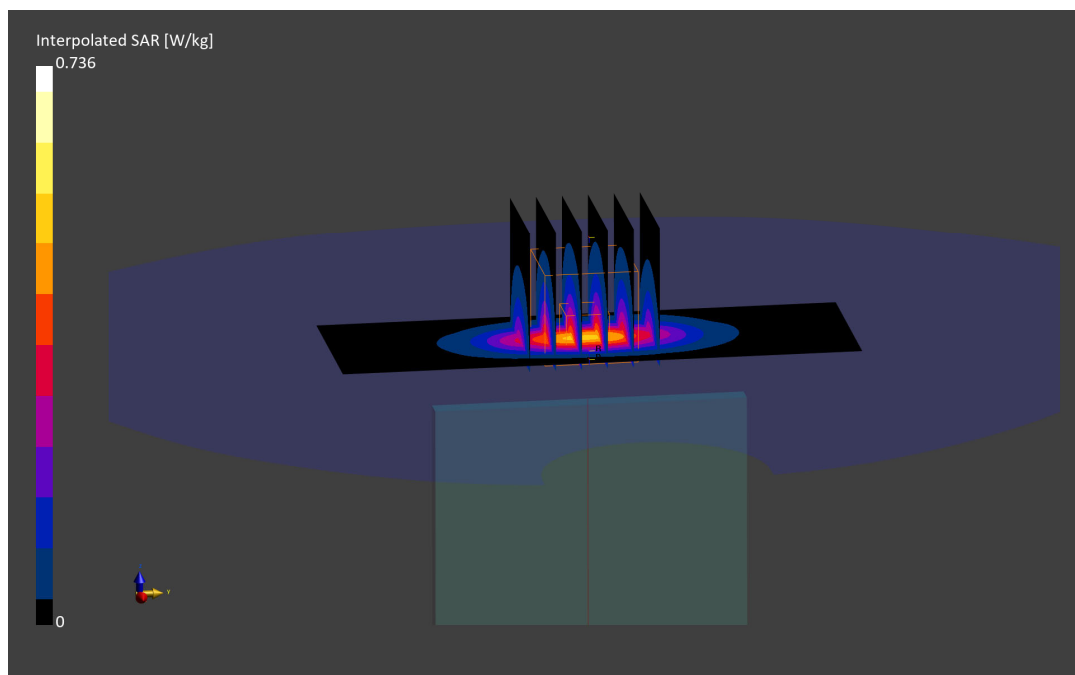
Reference Value = 0.44 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.404 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 = 84.5 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

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

Medium: 1900 Body; Medium parameters used:

f = 1880.0 MHz; cond = 1.47 S/m; perm = 52.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/05/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7565; ConvF:(7.54,7.54,7.54); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna A, Closed, Body SAR, Bottom Edge, Mid 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=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5

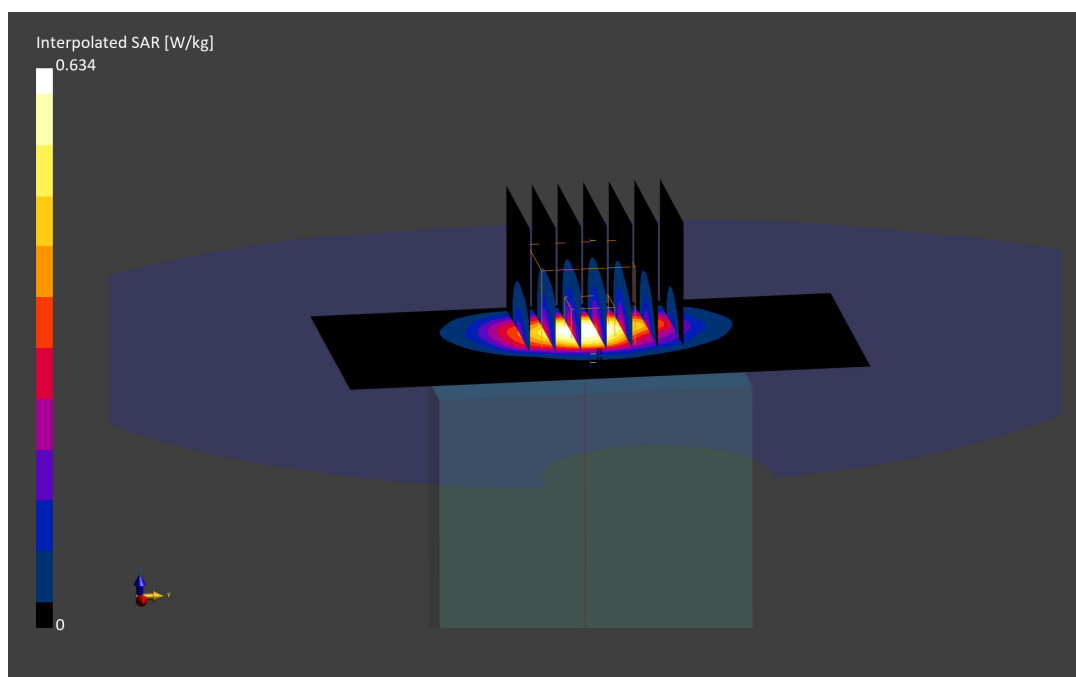
Reference Value = 0.27 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.293 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 = 81.4 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0381M

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; $\sigma = 0.974$ S/m; $\epsilon_r = 53.201$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 04/03/2023; Ambient Temp: 20.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 707.5 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

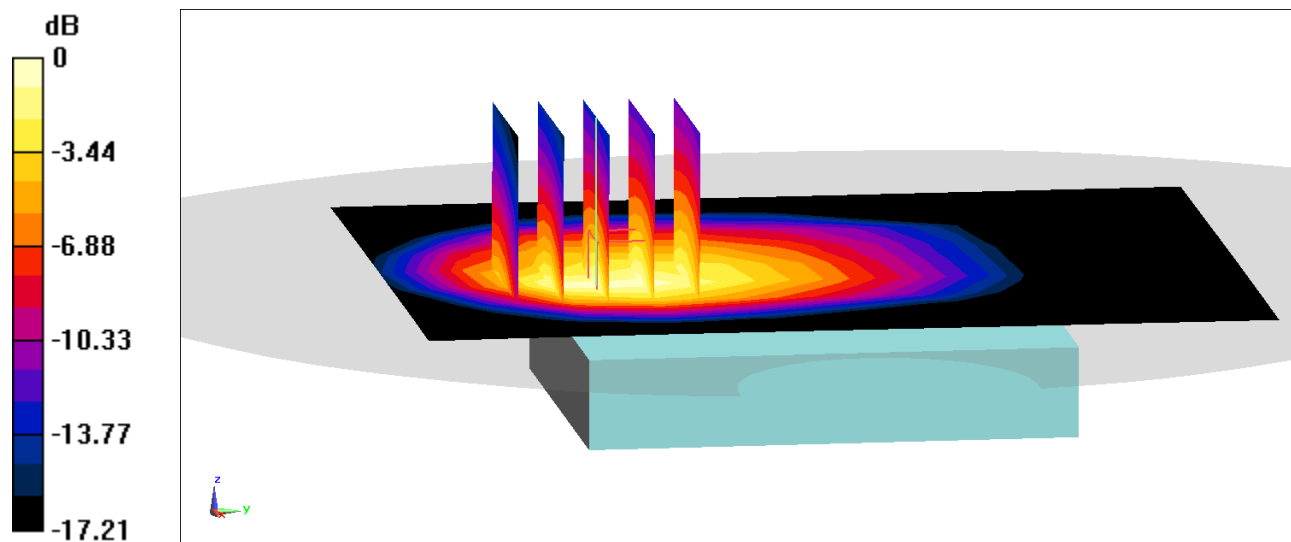
Reference Value = 22.70 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.468 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.3%



0 dB = 0.734 W/kg = -1.34 dBW/kg

ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0381M

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

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

$f = 782 \text{ MHz}$; $\sigma = 1.002 \text{ S/m}$; $\epsilon_r = 53.058$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 04/03/2023; Ambient Temp: 20.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 782 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

**Mode: LTE Band 13, Antenna A, 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

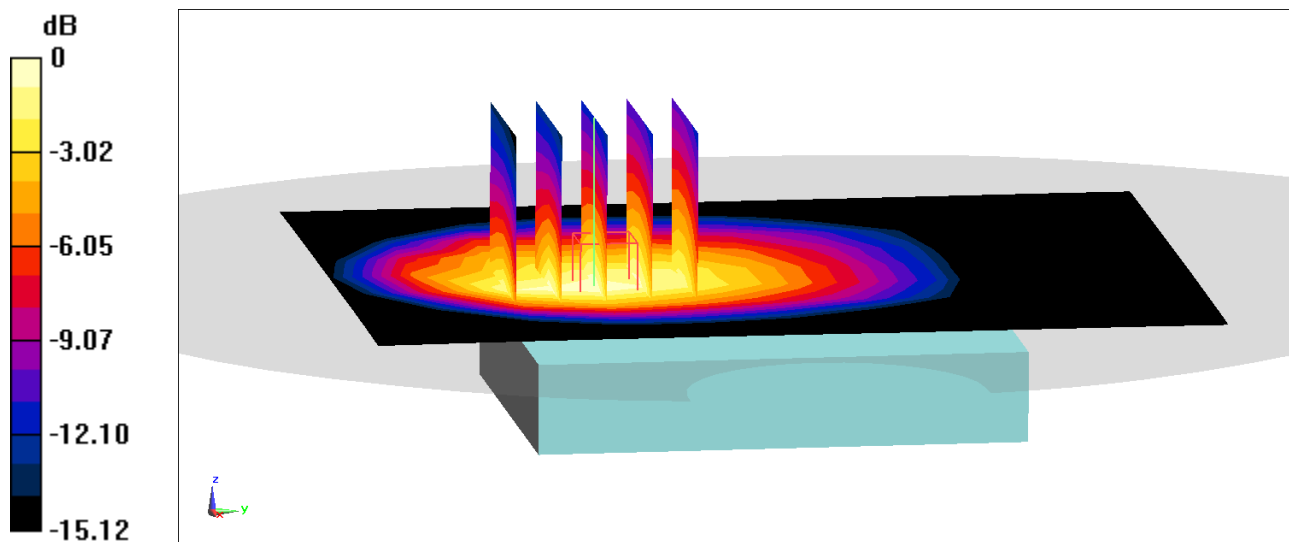
Reference Value = 28.64 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.765 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.2%



0 dB = 1.10 W/kg = 0.41 dBW/kg

ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0371M

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; $\sigma = 0.943$ S/m; $\epsilon_r = 53.082$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 0.5 cm

Test Date: 04/24/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 831.5 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

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

**Mode: LTE Band 26 (Cell.), Antenna A, Closed, Body SAR, Back side, Mid.ch,
15 MHz Bandwidth, QPSK, 36 RB, 37 RB Offset**

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

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

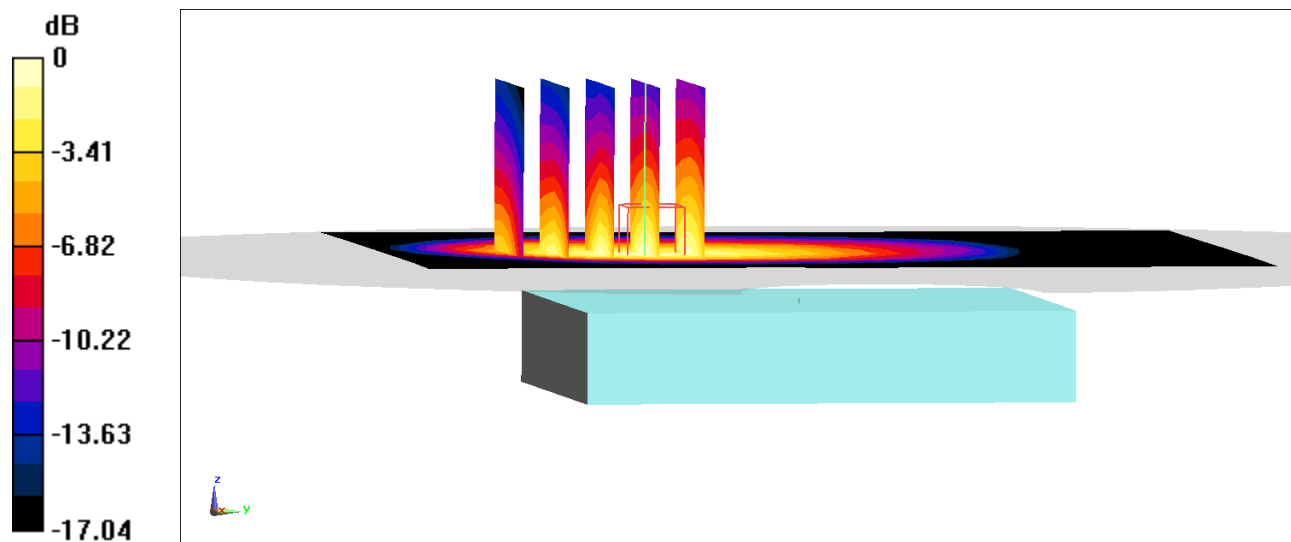
Reference Value = 26.99 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.717 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.4%



0 dB = 1.06 W/kg = 0.25 dBW/kg

ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

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

Medium: 1750 Body; Medium parameters used:

f = 1770.0 MHz; cond = 1.48 S/m; perm = 52.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/24/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7565; ConvF:(7.94,7.94,7.94); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66 (AWS), Antenna A, 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=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.7 mm, dy=5.7 mm, dz=1.5 mm; Graded Ratio: 1.5

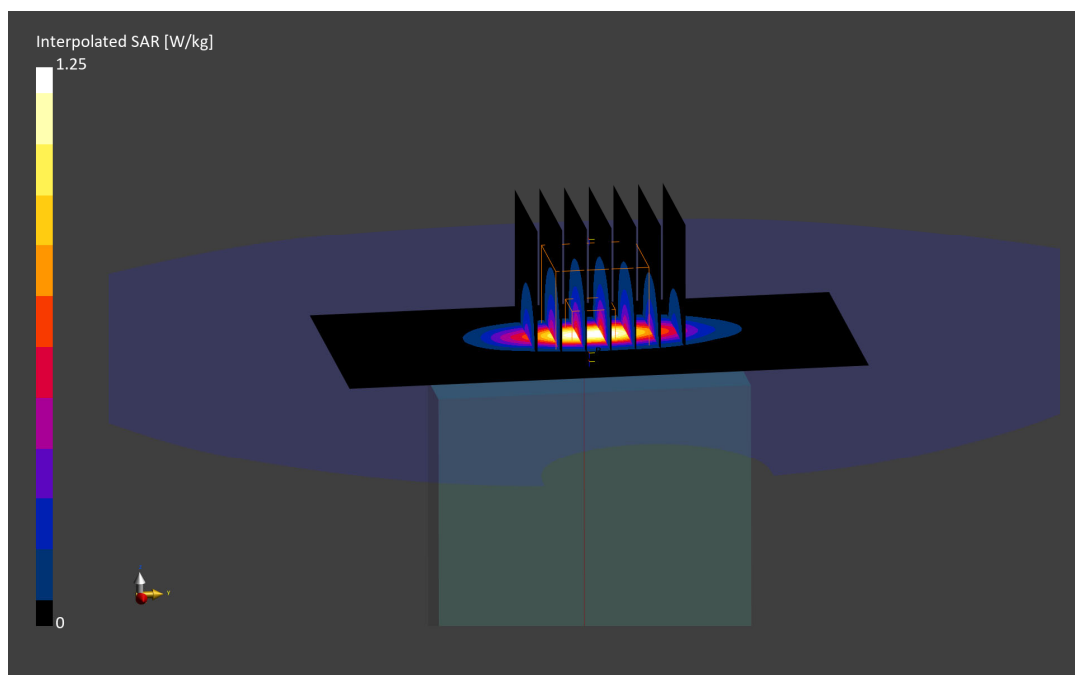
Reference Value = 0.58 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.593 W/kg

Smallest distance from peaks to all points 3 dB below is 6.9 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0354M

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1905.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1905.0 MHz; cond = 1.57 S/m; perm = 52.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/19/2023; Ambient Temp: 22.1°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7565; ConvF:(7.54,7.54,7.54); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 25, Antenna A, 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=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5

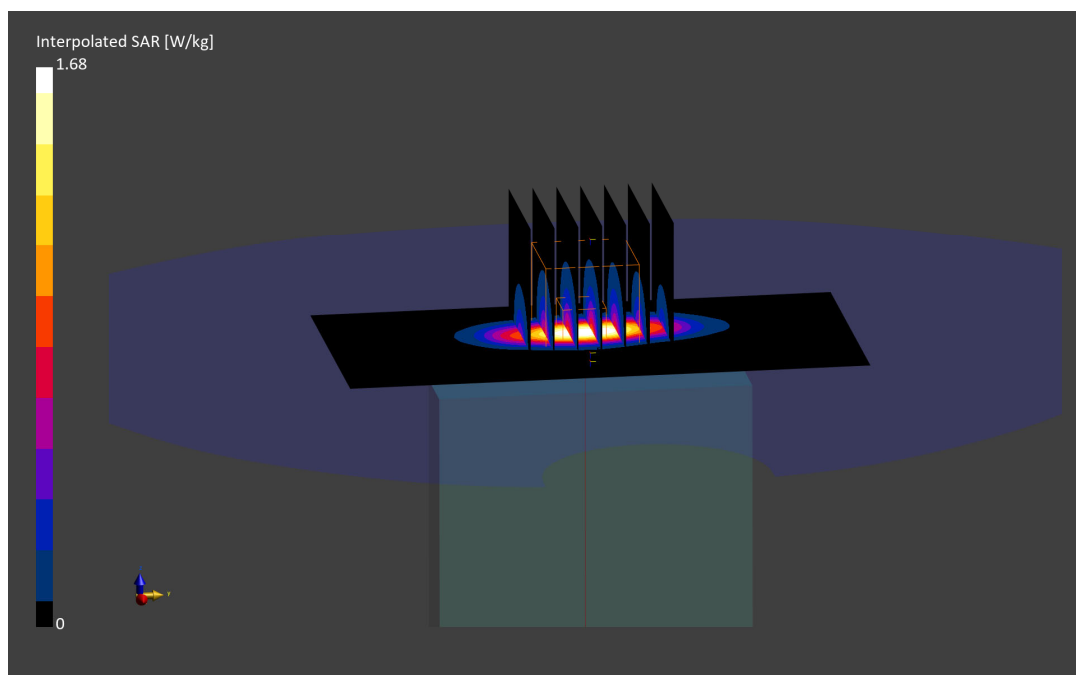
Reference Value = 0.74 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.770 W/kg

Smallest distance from peaks to all points 3 dB below is 6.6 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0317M

Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.24 S/m; perm = 50.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/12/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7420; ConvF:(7.27,7.27,7.27); Calibrated: 2022-10-20

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

Electronics: DAE4 Sn1333; Calibrated: 2022-10-13

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Antenna I, Closed, Body SAR, Right Edge, Mid Ch.,
20 MHz Bandwidth, QPSK, 50 RB, 25 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=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

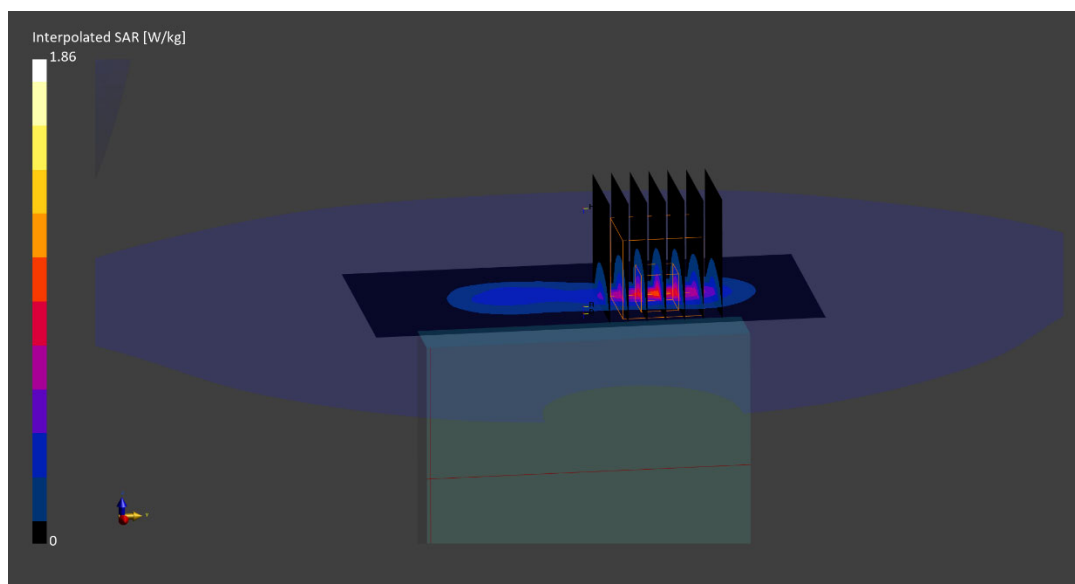
Reference Value = 0.57 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.766 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 = 76.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0340M

Communication System: UID:10931 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 836.5$ MHz; $\text{cond} = 0.941$ S/m; $\text{perm} = 57.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/04/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(9.81,9.81,9.81); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n5, Antenna A, Closed, Body SAR, Back Side, Ch. 167300,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 53 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

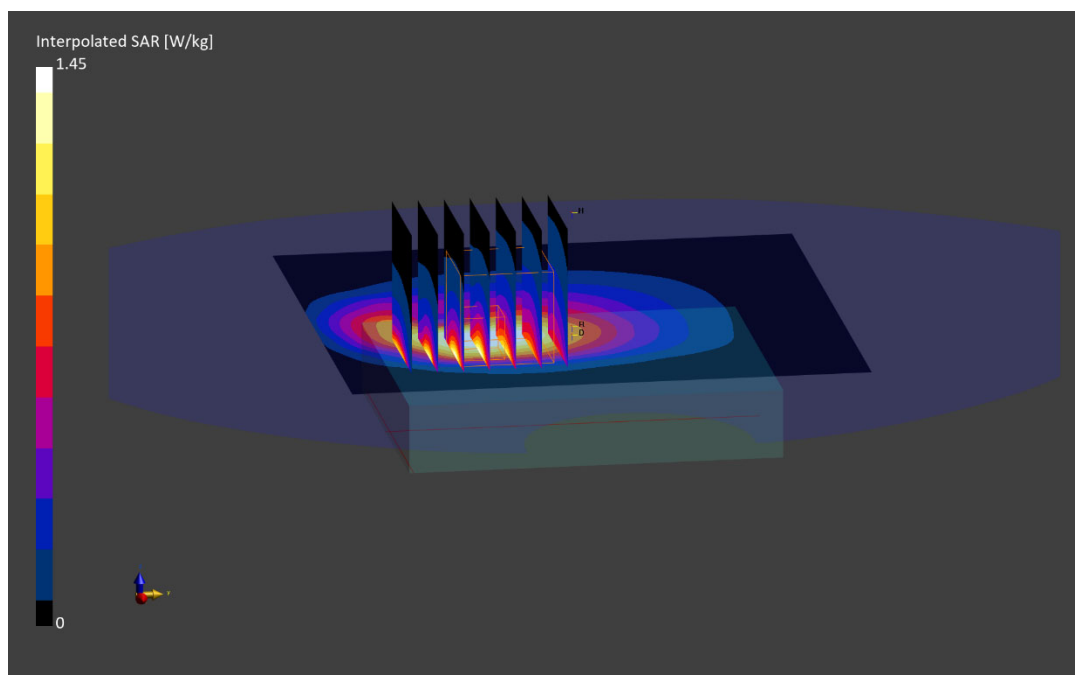
Reference Value = 0.67 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.753 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 = 77.2 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1625M

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

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.53 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/27/2023; Ambient Temp: 21.7°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7713; ConvF:(8.76,8.76,8.76); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1530; Calibrated: 2023-01-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n66, Antenna I, Body SAR, Right Edge, Ch. 349000,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 0 RB Offset**

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=4.6 mm, dy=4.6 mm, dz=1.4 mm; Graded Ratio: 1.4

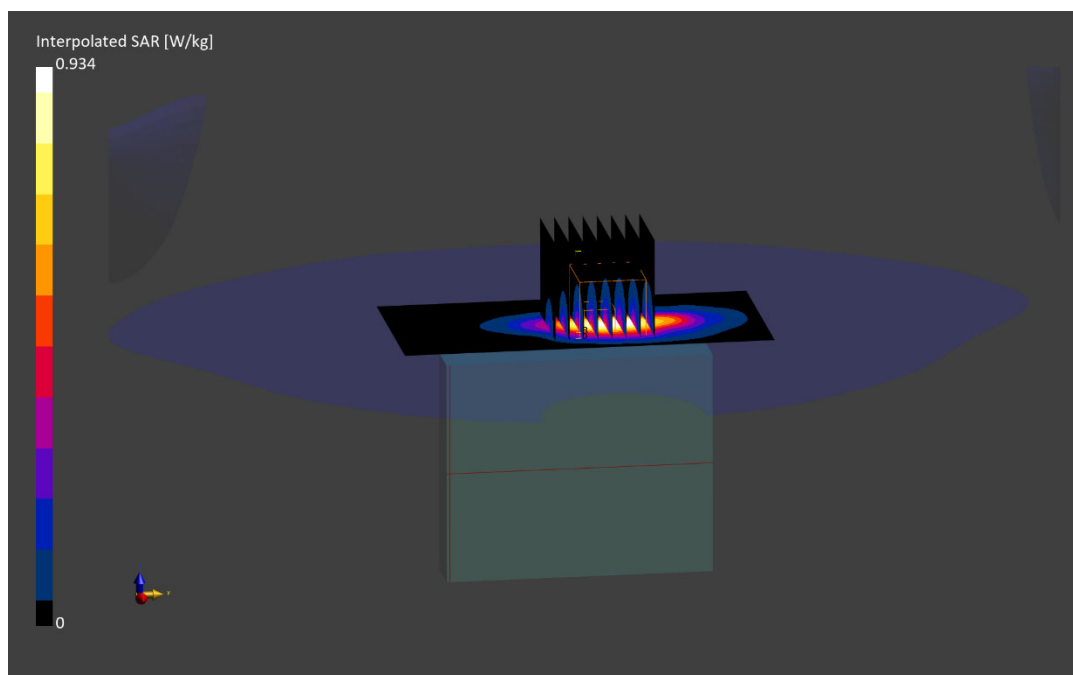
Reference Value = 0.43 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.410 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 = 78.2 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0355M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1882.5$ MHz; $\text{cond} = 1.55$ S/m; $\text{perm} = 52.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/10/2023; Ambient Temp: 22.2°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.66,7.66,7.66); Calibrated: 2022-06-16

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n25, Antenna I, Closed, Body SAR, Right Edge, Ch. 376500, 40 MHz
Bandwidth, DFT-s-OFDM QPSK, 1 RB, 214 RB Offset**

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: $dx=5.1$ mm, $dy=5.1$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

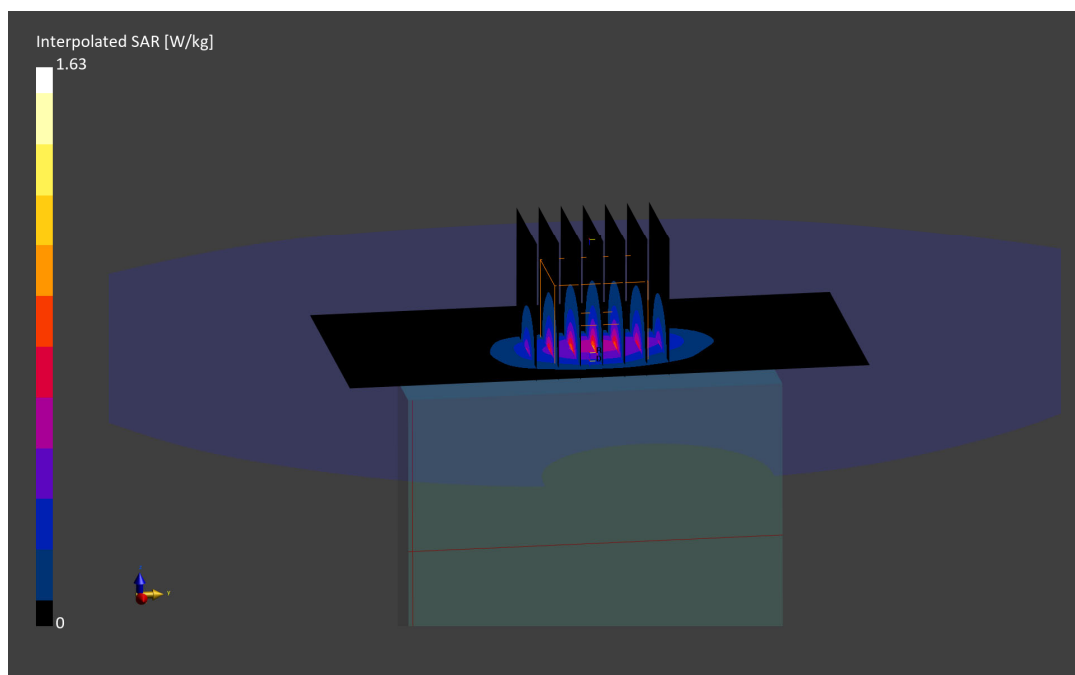
Reference Value = 0.68 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.743 W/kg

Smallest distance from peaks to all points 3 dB below is 6.2 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1480M

Communication System: UID:10803 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2593.0$ MHz; $\text{cond} = 2.22$ S/m; $\text{perm} = 51.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.08,8.08,8.08); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1530; Calibrated: 2023-01-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n41 Antenna I, Closed, Body SAR, Right Edge, Ch. 518598, 100 MHz
Bandwidth, CP-OFDM QPSK, 1 RB, 1 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: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

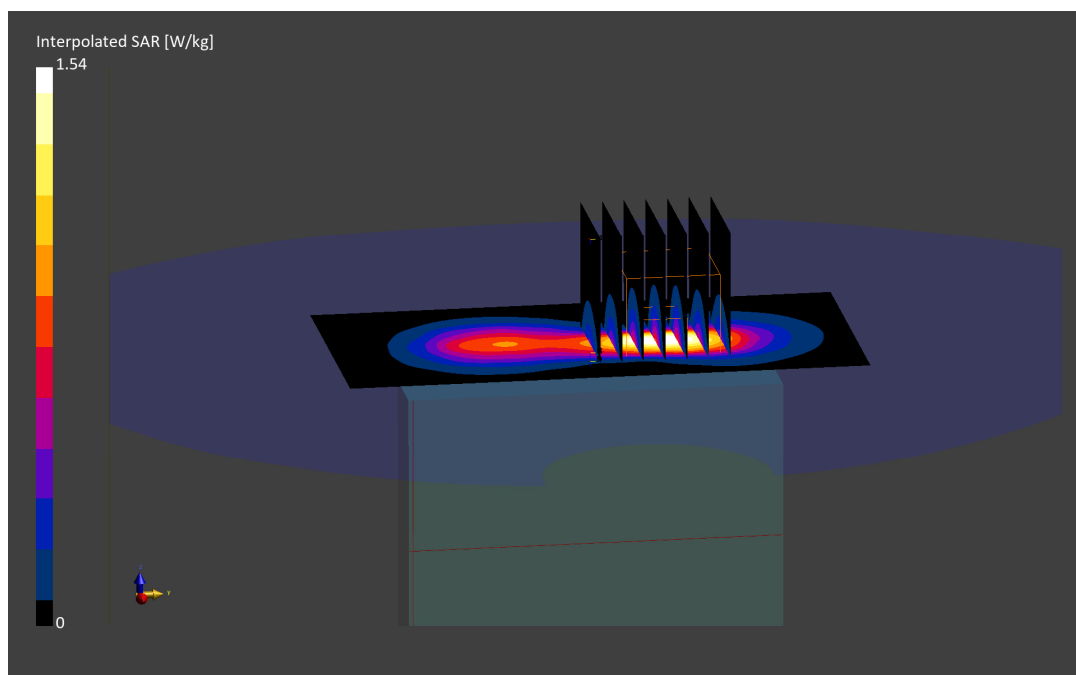
Reference Value = 0.81 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.632 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 74.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0433M

Communication System: UID:10803 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3750.0 MHz; cond = 3.68 S/m; perm = 48.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/31/2023; Ambient Temp: 20.1°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN3837; ConvF:(6.04,6.04,6.04); Calibrated: 2023-01-17

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

Electronics: DAE4 Sn793; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n77, Antenna F, Body SAR, Left Edge, Ch. 650000,
100 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 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=4.6 mm, dy=4.6 mm, dz=1.4 mm; Graded Ratio: 1.5

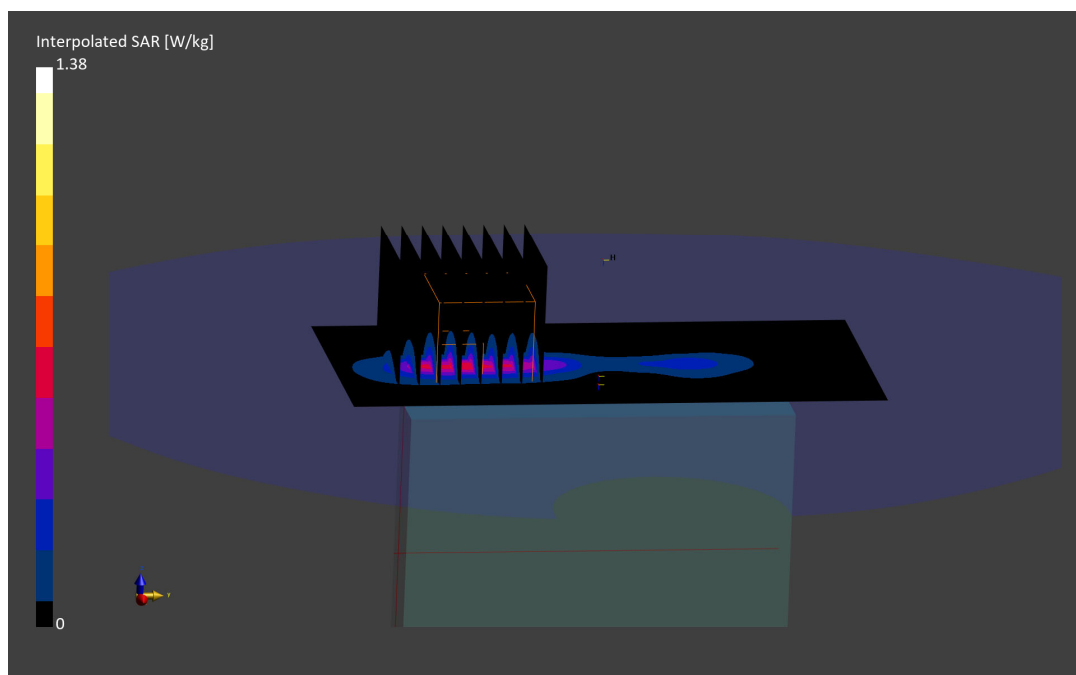
Reference Value = 0.38 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.456 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 = 72.7 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

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

Medium: 2450 Body; Medium parameters used:

f = 2462.0 MHz; cond = 2.05 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/07/2023; Ambient Temp: 21.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO, Closed,
Body SAR, Left Edge, Ch. 11, 1 Mbps**

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

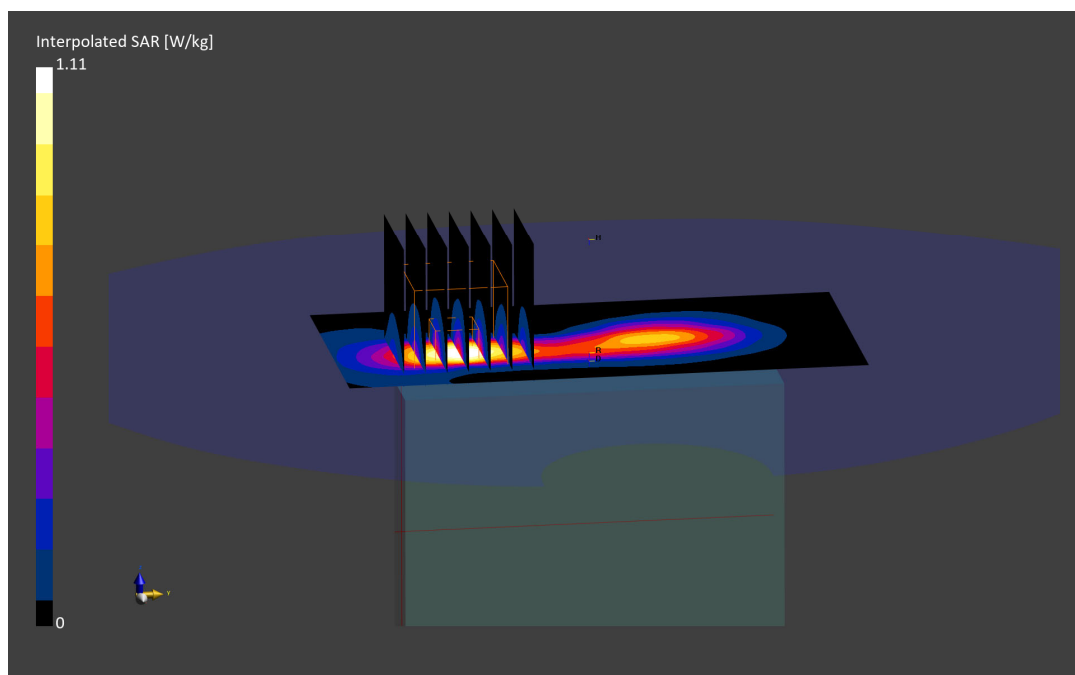
Reference Value = 0.43 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.459 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 75.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5825.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5825.0 MHz; cond = 6.18 S/m; perm = 45.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/04/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7570; ConvF:(4.39,4.39,4.39); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-3, MIMO, Ch. 165, Closed
Body SAR, Front Side, 13 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

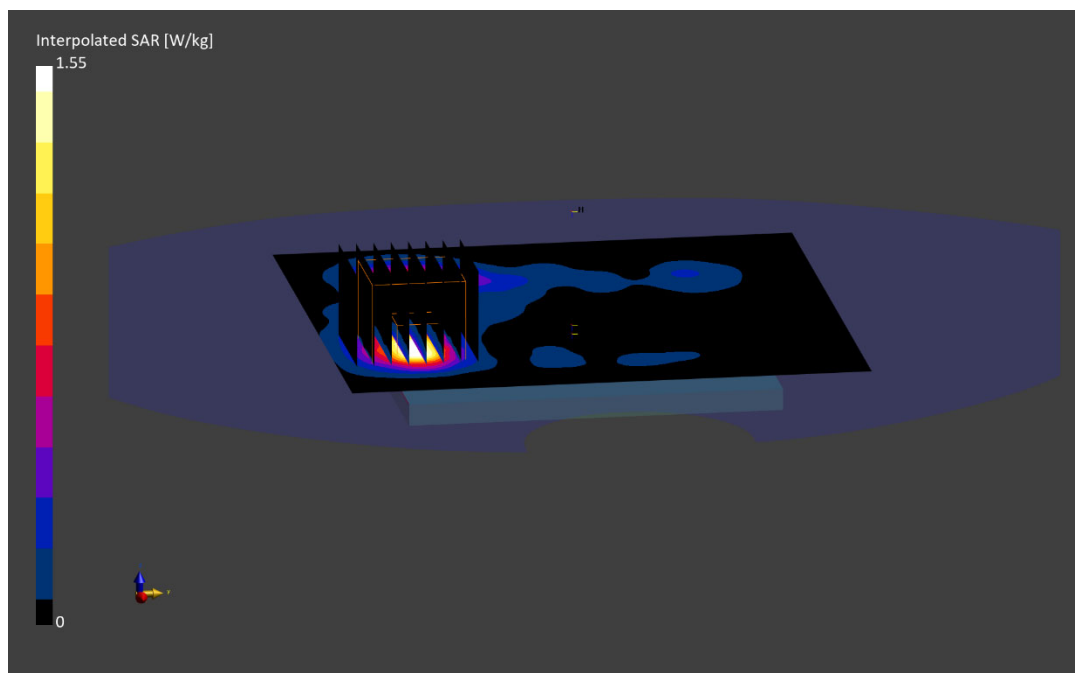
Reference Value = 0.35 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.393 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 = 59.5 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

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

Medium: 2450 Body; Medium parameters used:

f = 2441.0 MHz; cond = 2.02 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 05/07/2023; Ambient Temp: 21.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

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

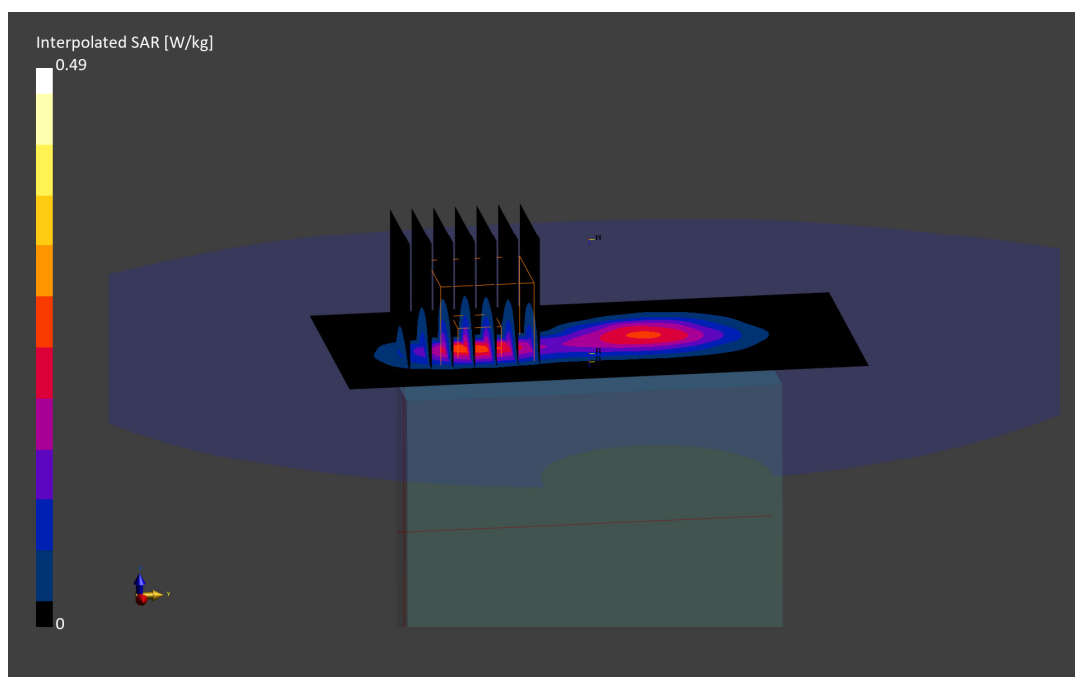
Reference Value = 0.17 W/kg; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.490 W/kg

SAR(1 g) = 0.196 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 76.2 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0346M

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

Medium: 1750 Body; Medium parameters used:

f = 1752.6 MHz; cond = 1.48 S/m; perm = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/24/2023; Ambient Temp: 21.5°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7547; ConvF:(7.87,7.87,7.87); Calibrated: 2022-10-19

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

Electronics: DAE4 Sn1322; Calibrated: 2022-10-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (120.0 x 240.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.4 mm; Graded Ratio: 1.4

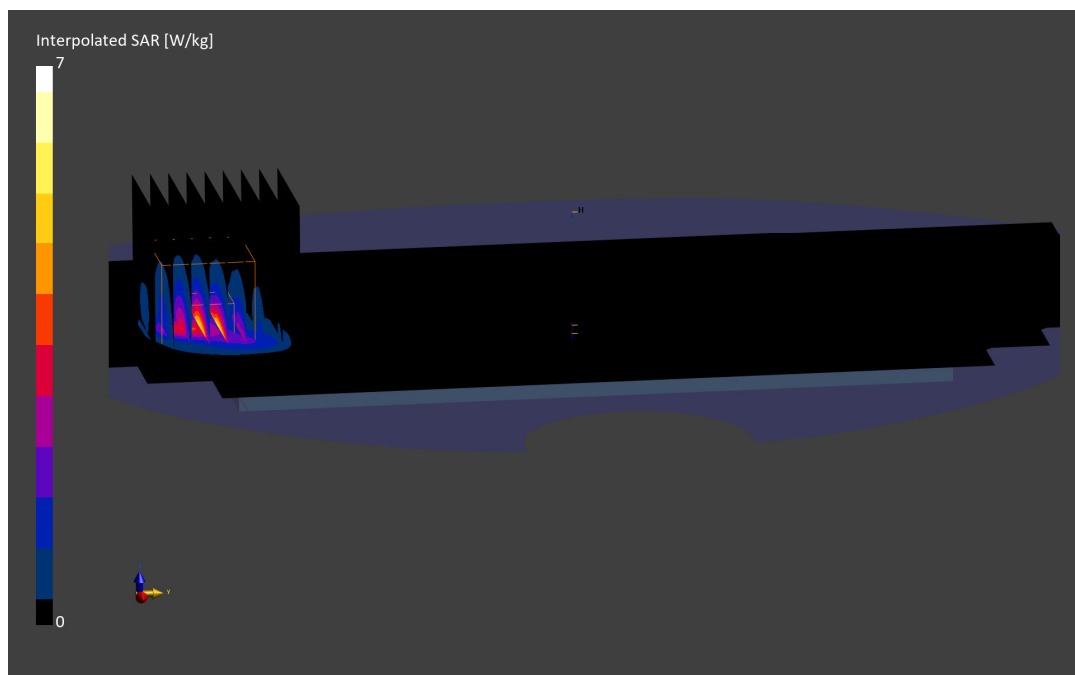
Reference Value = 4.44 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(10 g) = 1.67 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 73.0 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1391M

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

Medium: 1900 Body; Medium parameters used:

$f = 1852.4$ MHz; $\text{cond} = 1.46$ S/m; $\text{perm} = 51.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/15/2023; Ambient Temp: 23.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7570; ConvF:(8.18,8.18,8.18); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900 Antenna A, Phablet 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: $dx=3.8$ mm, $dy=3.8$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

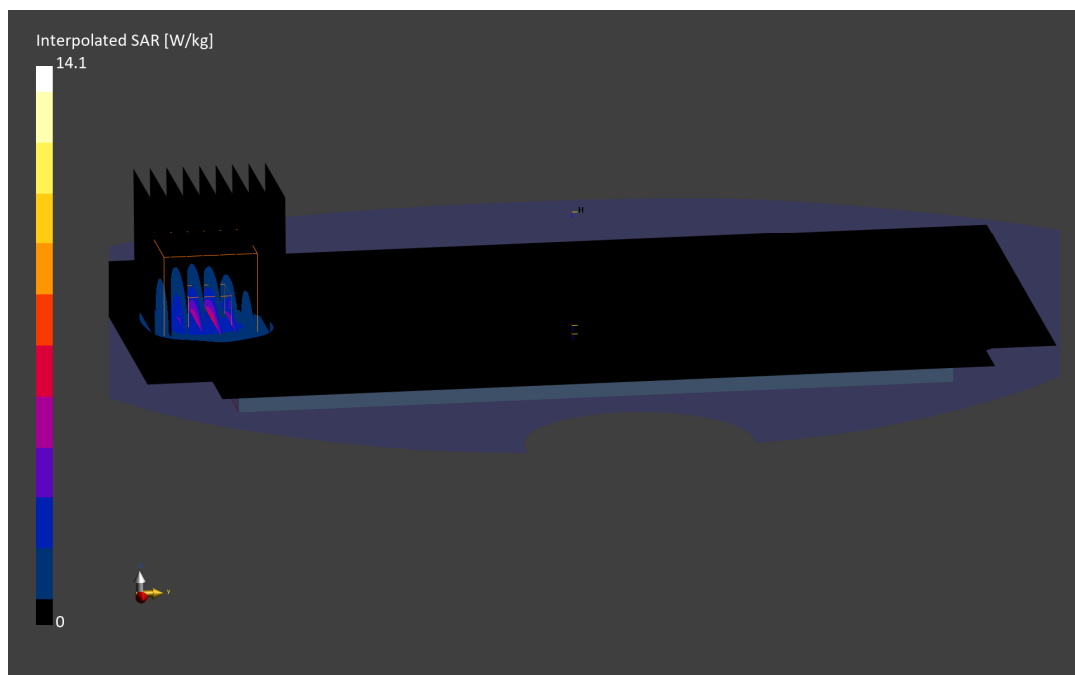
Reference Value = 5.40 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 14.1 W/kg

SAR(10 g) = 2.02 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 = 71.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0317M

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

Medium: 1750 Body; Medium parameters used:

f = 1720.0 MHz; cond = 1.50 S/m; perm = 51.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/10/2023; Ambient Temp: 20.9°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7427; ConvF:(8.24,8.24,8.24); Calibrated: 2023-02-13

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

Electronics: DAE4 Sn1403; Calibrated: 2023-02-15

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66 (AWS), Antenna I, Phablet SAR, Right Edge, Low Ch,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (40.0 x 210.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.4 mm; Graded Ratio: 1.4

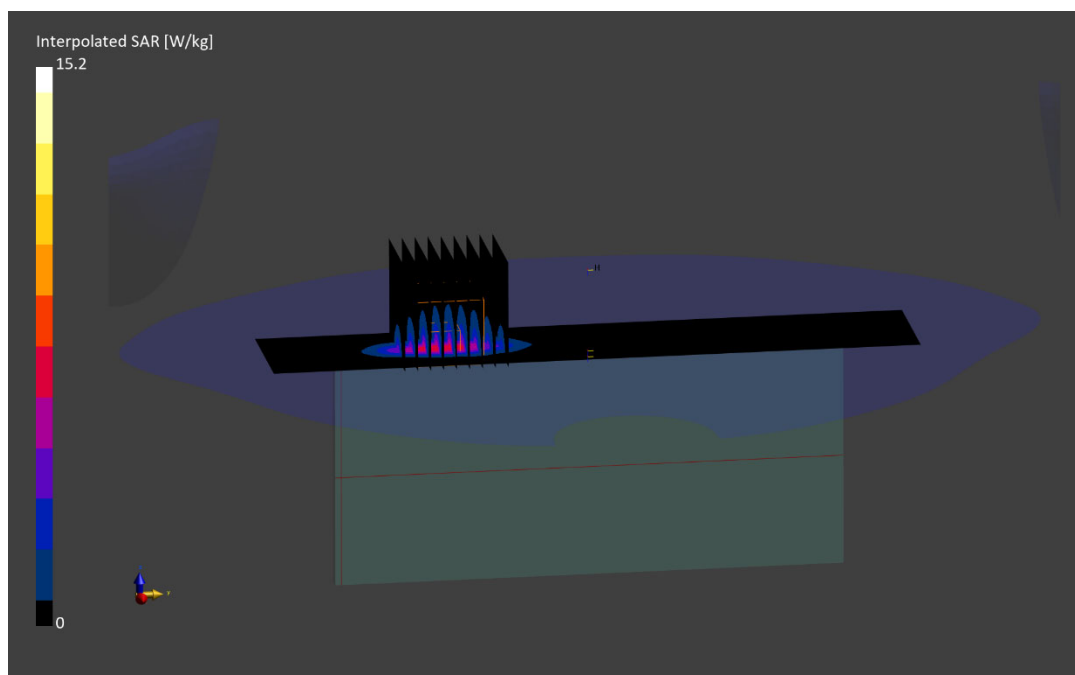
Reference Value = 5.74 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(10 g) = 2.35 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 = 68.0 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0415M

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

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.55 S/m; perm = 54.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/29/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.66,7.66,7.66); Calibrated: 2022-06-16

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 25, Antenna I, Phablet SAR, Right Edge, Low Ch.,
20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

Area Scan (40.0 x 210.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

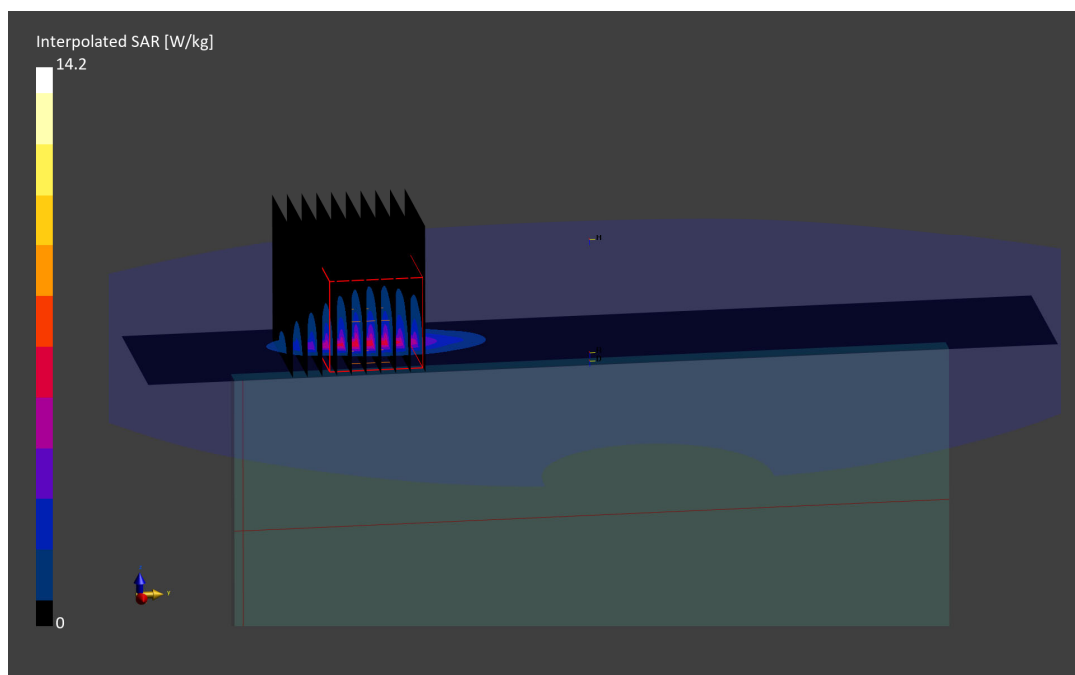
Reference Value = 4.86 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 14.2 W/kg

SAR(10 g) = 1.92 W/kg

Smallest distance from peaks to all points 3 dB below is 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 72.1 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0317M

Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.21 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/19/2023; Ambient Temp: 21.6°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3837; ConvF:(7.17,7.17,7.17); Calibrated: 2023-01-17

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

Electronics: DAE4 Sn793; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41 PC3, Antenna I, Phablet SAR, Right Edge, Mid 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 (30.0 x 30.0 x 30.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2

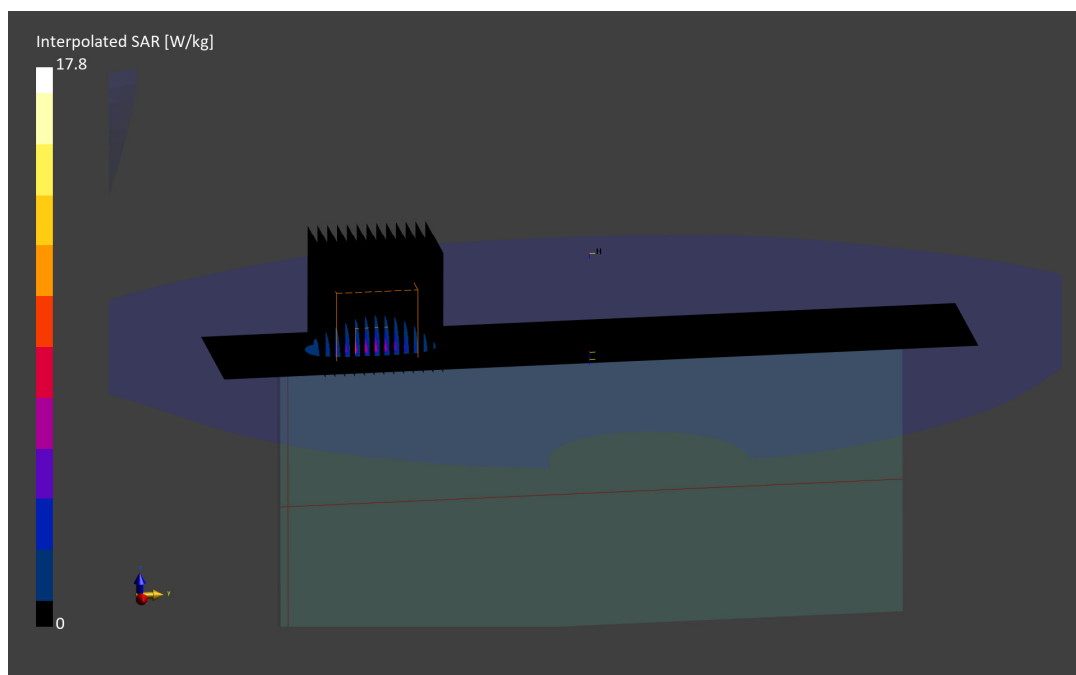
Reference Value = 4.57 W/kg; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(10 g) = 1.48 W/kg

Smallest distance from peaks to all points 3 dB below is 3.7 mm

Ratio of SAR at M2 to SAR at M1 = 72.1 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0353M

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

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.53 S/m; perm = 51.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/29/2023; Ambient Temp: 22.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.76,8.76,8.76); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1530; Calibrated: 2023-01-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 210.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (30.4 x 30.4 x 30.0): Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.5 mm; Graded Ratio: 1.5

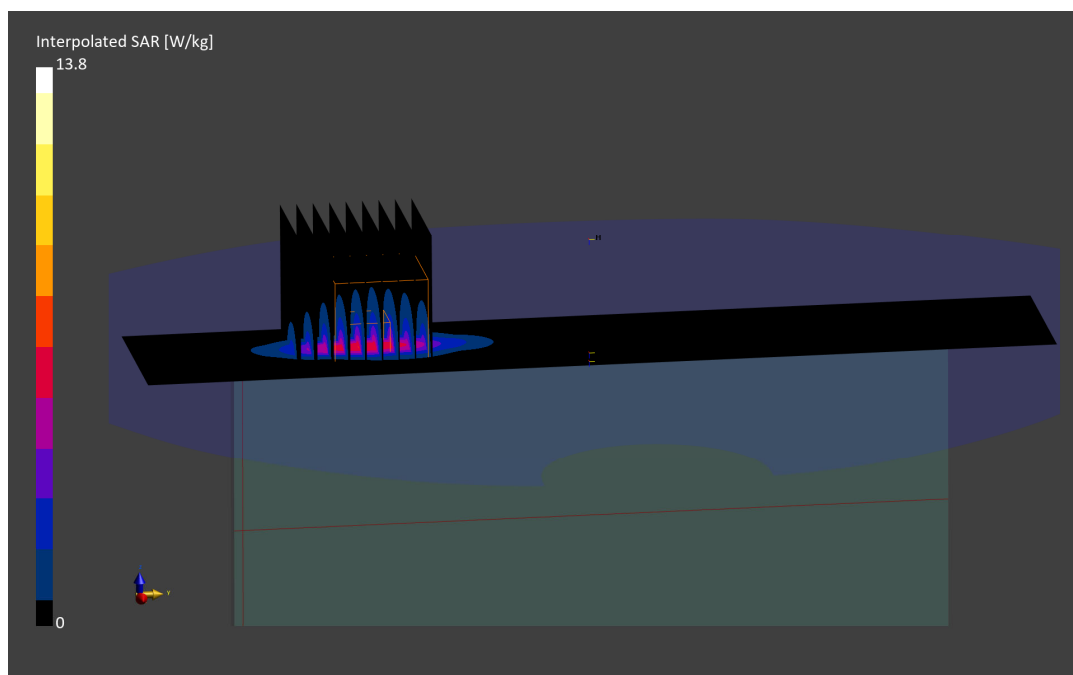
Reference Value = 6.68 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 13.8 W/kg

SAR(10 g) = 2.07 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 = 70.7 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 1505M

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

Medium: 1900 Body; Medium parameters used:

$f = 1882.5$ MHz; $\text{cond} = 1.56$ S/m; $\text{perm} = 53.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/24/2023; Ambient Temp: 22.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7409; ConvF:(7.66,7.66,7.66); Calibrated: 2022-06-16

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n25, Antenna I, Phablet SAR, Right Edge, Ch. 376500,
40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (40.0 x 210.0): Measurement grid: $dx=5.0$ mm, $dy=15.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.8$ mm, $dy=3.8$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

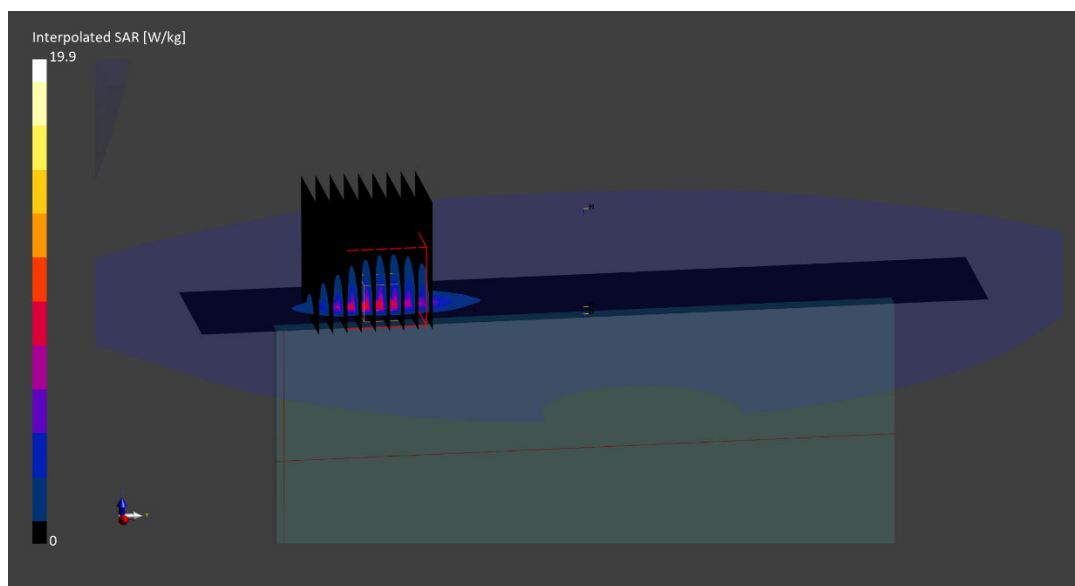
Reference Value = 7.35 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 19.9 W/kg

SAR(10 g) = 2.72 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 = 73.1 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0433M

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 = 2.21 S/m; perm = 52.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/03/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7416; ConvF:(7.42,7.42,7.42); Calibrated: 2022-05-18

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

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

Phantom: Twin-SAM V8.0; Serial: 2067

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n41 Antenna I, Phablet SAR, Front Side, Ch. 518598,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 137 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.4 mm; Graded Ratio: 1.4

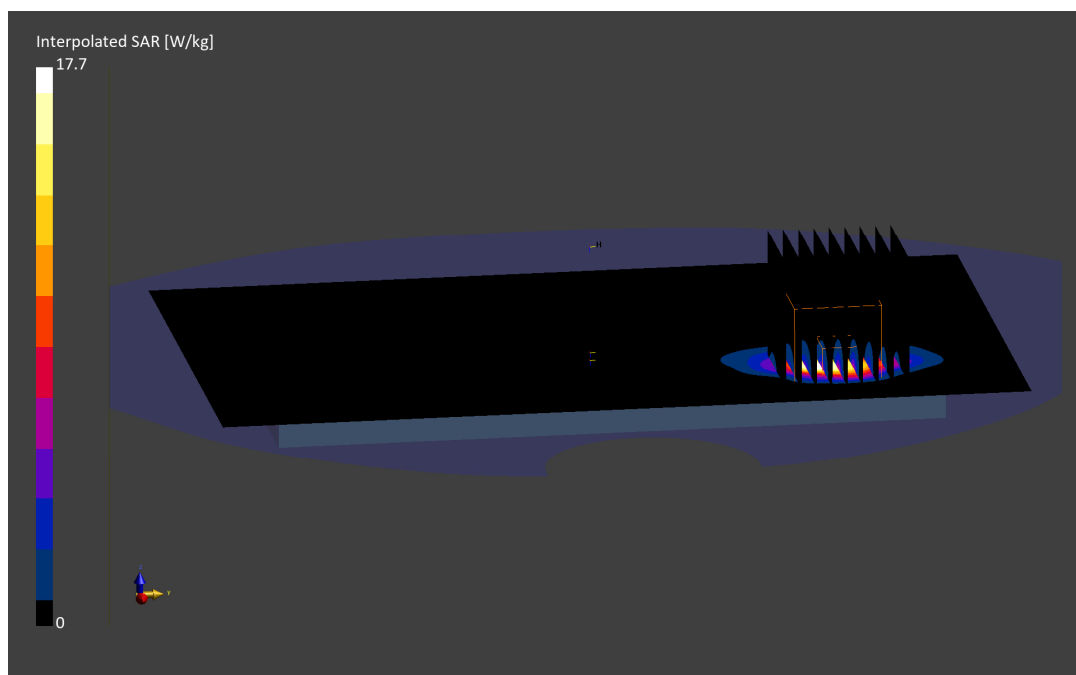
Reference Value = 4.65 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(10 g) = 1.61 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 = 68.3 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0433M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3500.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3500.0$ MHz; $\text{cond} = 3.38$ S/m; $\text{perm} = 49.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/31/2023; Ambient Temp: 20.1°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN3837; ConvF:(6.19,6.19,6.19); Calibrated: 2023-01-17

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

Electronics: DAE4 Sn793; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

Area Scan (40.0 x 200.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=2.6$ mm, $dy=2.6$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

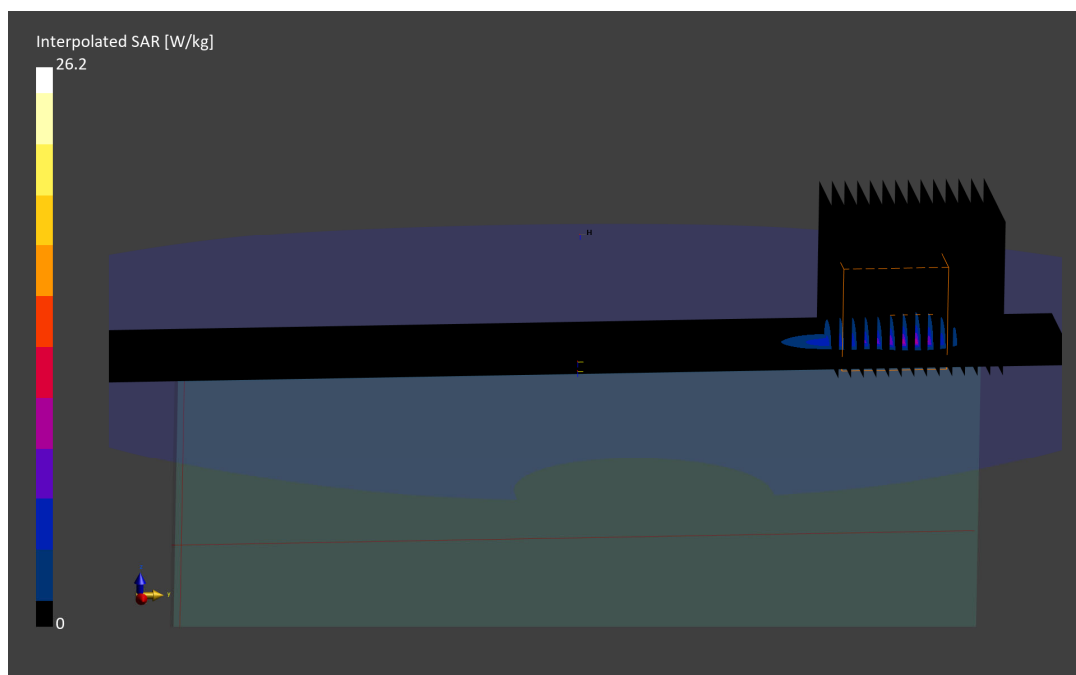
Reference Value = 4.86 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 26.2 W/kg

SAR(10 g) = 1.55 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 = 66.9 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

Communication System: UID:10196 - CAD, WLAN; MAIA: Y; Frequency: 5720.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5720.0 MHz; cond = 6.03 S/m; perm = 46.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/04/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7570; ConvF:(4.39,4.39,4.39); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11n, 20 MHz Bandwidth, UNII-2C, MIMO,
Ch. 144, Phablet SAR, Back Side, 13 Mbps**

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

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.6 mm, dy=3.6 mm, dz=1.4 mm; Graded Ratio: 1.4

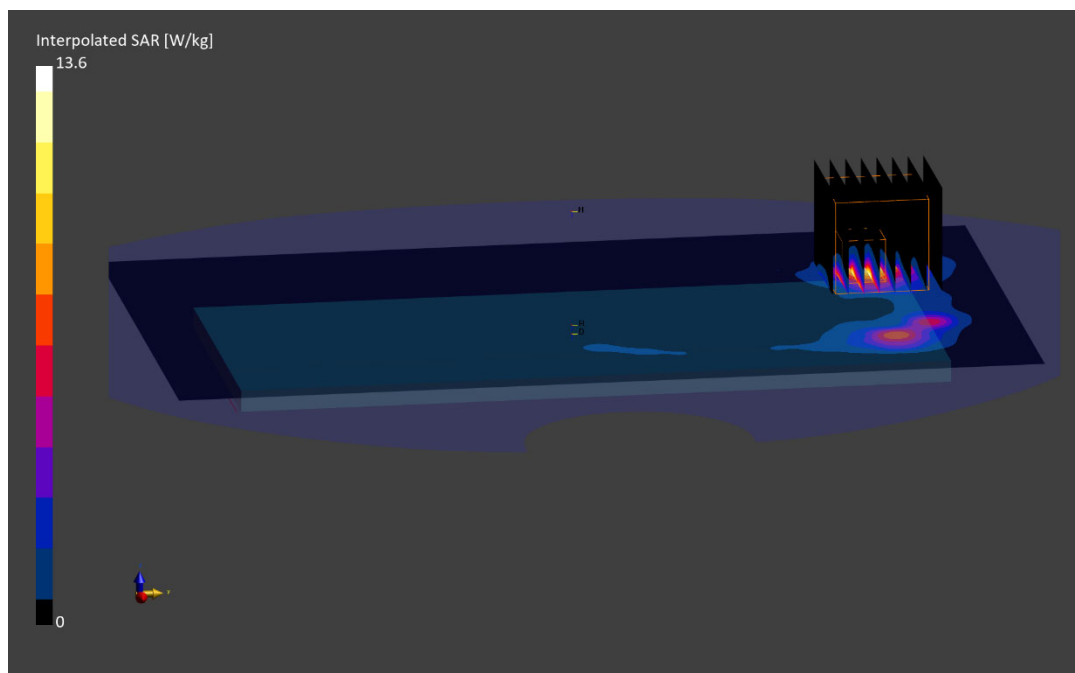
Reference Value = 2.69 W/kg; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(10 g) = 0.844 W/kg

Smallest distance from peaks to all points 3 dB below is 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 60.4 %



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0227M

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

Medium: 2450 Body; Medium parameters used:

f = 2441.0 MHz; cond = 2.02 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/07/2023; Ambient Temp: 21.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Antenna 2, Phablet SAR, Ch. 39, 1Mbps, Front Side

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

Zoom Scan (32.0 x 32.0 x 30.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5

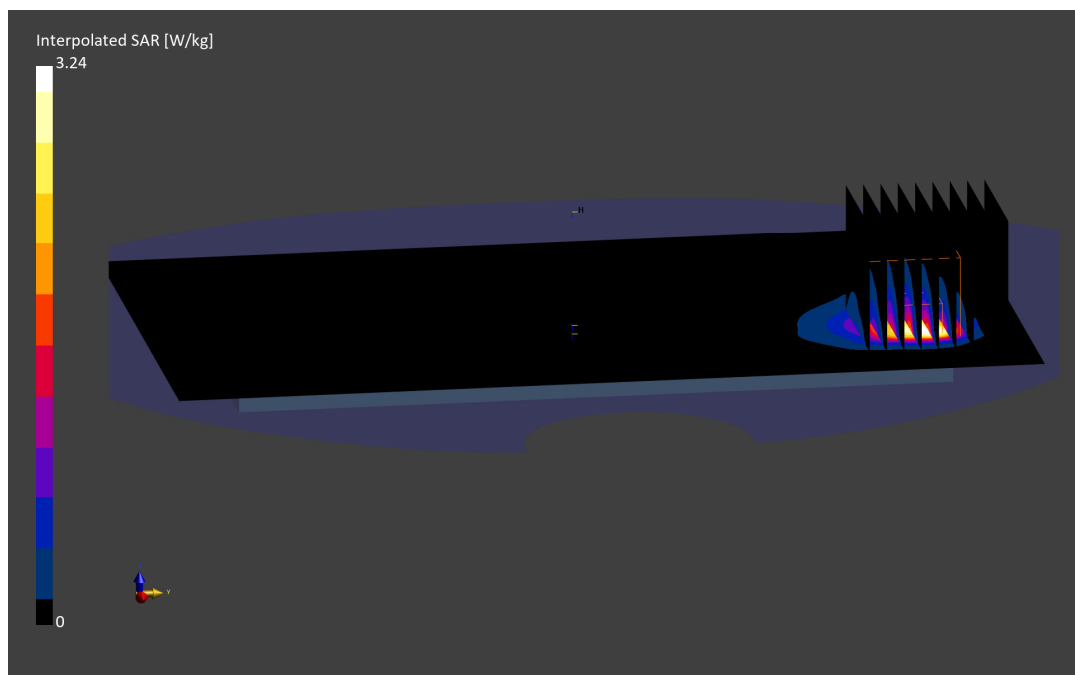
Reference Value = 1.46 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(10 g) = 0.591 W/kg

Smallest distance from peaks to all points 3 dB below is 7.4 mm

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



ELEMENT

DUT: A3LSMF731B; Type: Portable Handset; Serial: 0178M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz

Medium: 30 Head; Medium parameters used:

f = 13.6 MHz; cond = 0.717 S/m; perm = 56.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/25/2023; Ambient Temp: 23.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7417; ConvF:(18.67,18.67,18.67); Calibrated: 2023-02-08

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

Electronics: DAE4 Sn665; Calibrated: 2023-02-15

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NFC, Phablet SAR, Back Side

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2

Reference Value = 0.03 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(10 g) = 0.012 W/kg

Smallest distance from peaks to all points 3 dB below is 3.8 mm

Ratio of SAR at M2 to SAR at M1 = 57.3 %

