

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

Communication System: UID 0, GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
 $f = 848.8 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 39.467$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

Test Date: 09/21/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 848.8 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

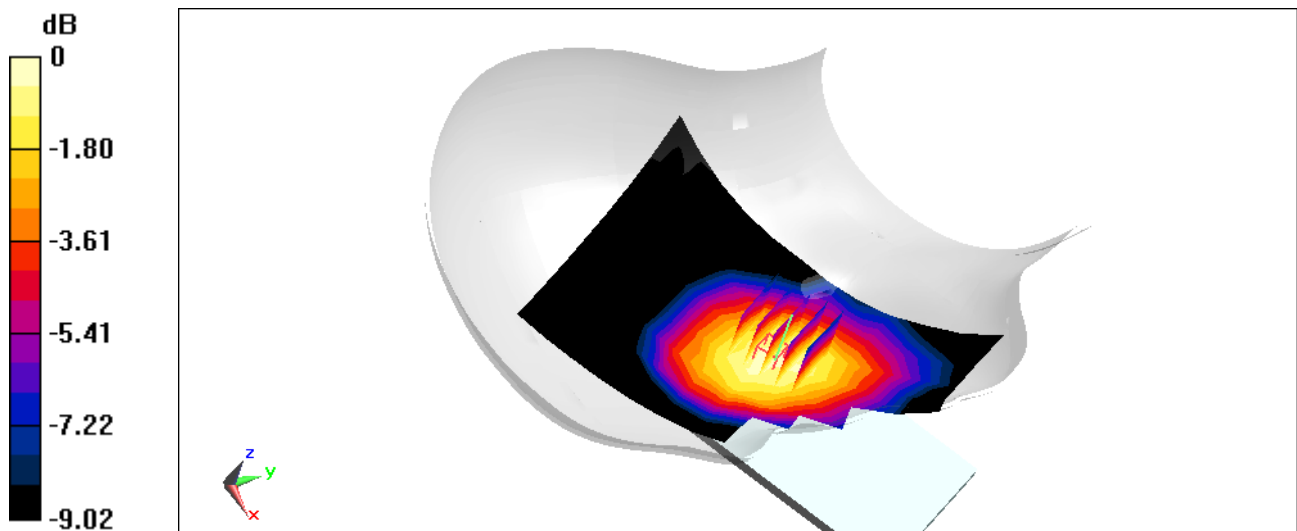
Reference Value = 16.89 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.241 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 81.4%



0 dB = 0.282 W/kg = -5.50 dBW/kg

ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

Communication System: UID 0, GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
 $f = 848.8$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 39.467$; $\rho = 1000$ kg/m³
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/21/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 848.8 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

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

Zoom Scan 1 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

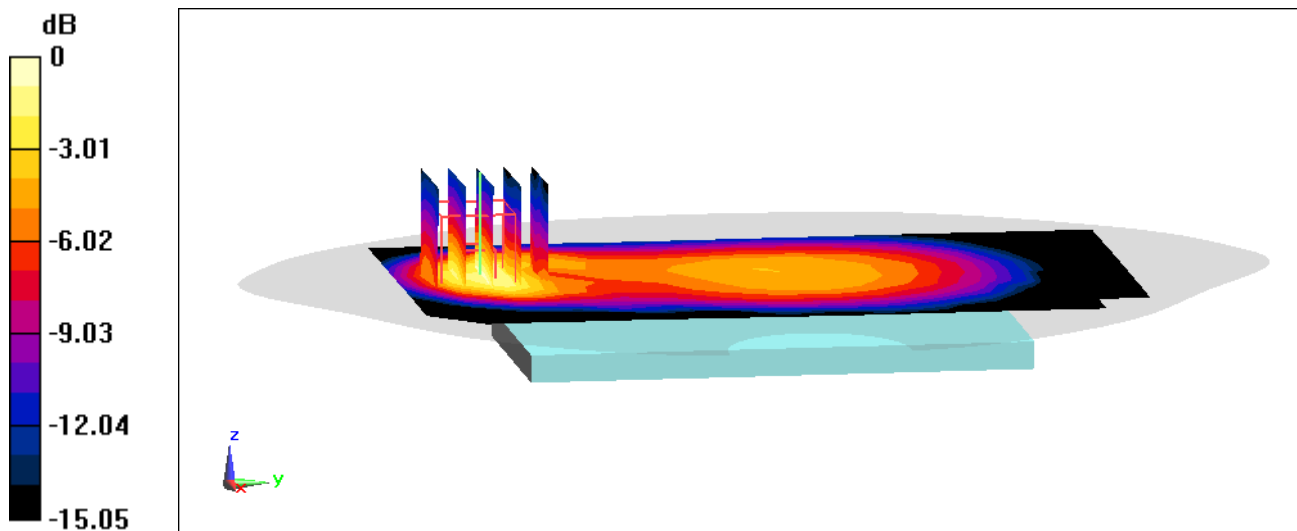
Reference Value = 25.34 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.962 W/kg

SAR(1 g) = 0.523 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%



0 dB = 0.798 W/kg = -0.98 dBW/kg

ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23205

Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 848.8 MHz

Medium: 835 Head; Medium parameters used:

f = 848.8 MHz; cond = 0.877 S/m; perm = 41.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/12/2023; Ambient Temp:21.4°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7532; ConvF:(10.37,10.37,10.37); Calibrated: 2023-04-18

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

Electronics: DAE4 Sn501; Calibrated: 2023-04-14

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GPRS 850, Antenna A, Exp: Hotspot| Back Side, Ch. High, 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=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

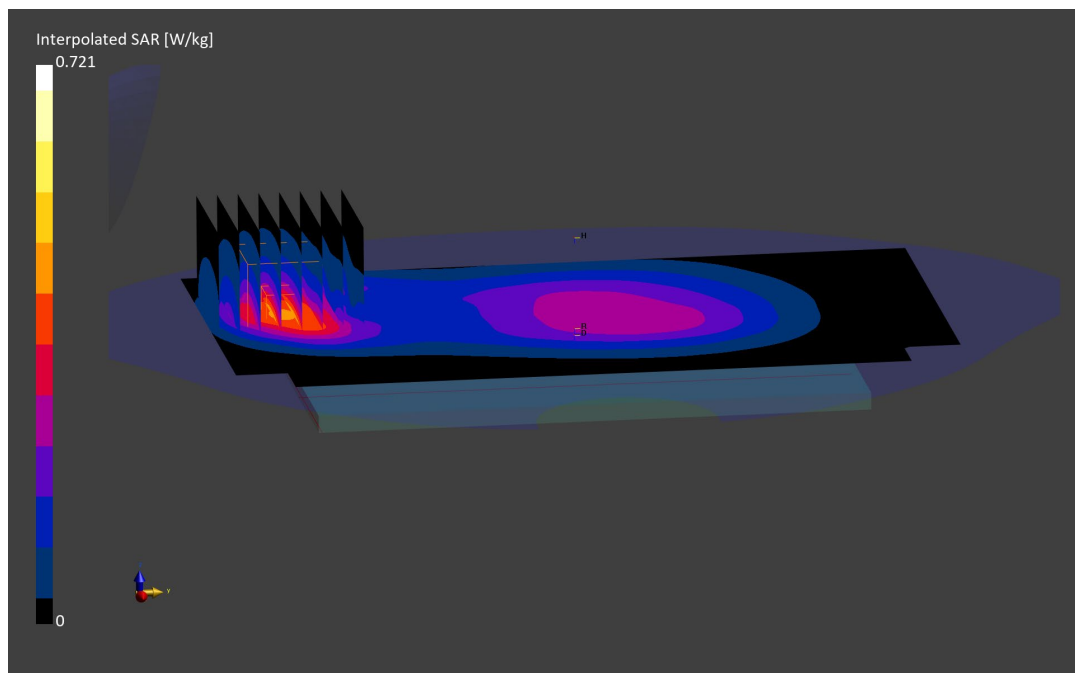
Reference Value = 0.48 W/kg; Power Drift = -0.08

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.414 W/kg;

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

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



ELEMENT

DUT: Device; Type: Portable Handset; Serial: 23007

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

Medium: 1900 Head; Medium parameters used:

f = 1880.0 MHz; cond = 1.43 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 09/20/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(9.09,9.09,9.09); Calibrated: 2023-04-14

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

Electronics: DAE4 Sn1407; Calibrated: 2023-04-14

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna B, Exp: Head| Left Cheek, Ch. Mid

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

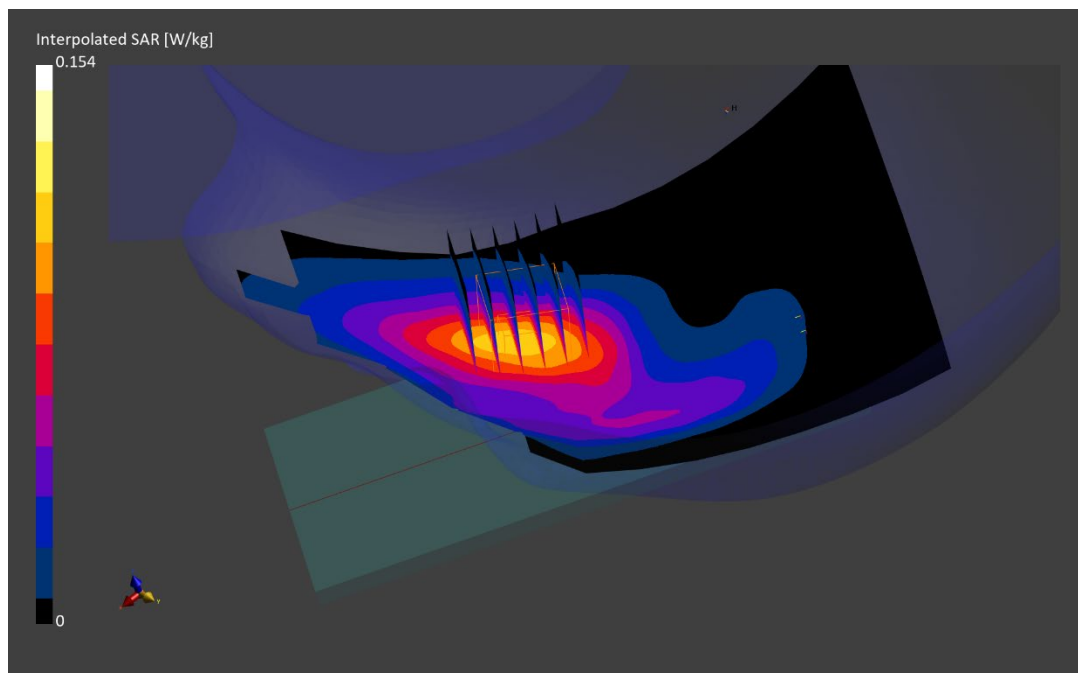
Reference Value = 0.09 W/kg; Power Drift = -0.04

Peak SAR (extrapolated) = 0.154 W/kg

SAR(1 g) = 0.098 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 = 86.1 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23007

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

Medium: 1900 Head; Medium parameters used:

f = 1880.0 MHz; cond = 1.43 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/20/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(9.09,9.09,9.09); Calibrated: 2023-04-14

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

Electronics: DAE4 Sn1407; Calibrated: 2023-04-14

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna B, Exp: Body-worn| Back Side, Ch. Mid

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

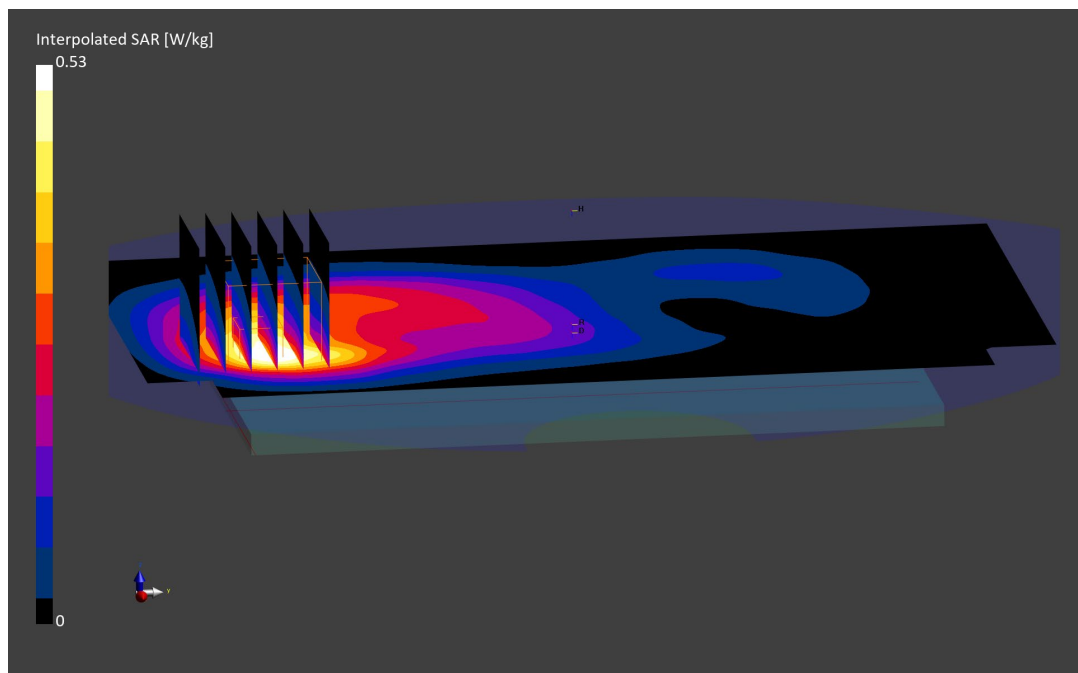
Reference Value = 0.29 W/kg; Power Drift = -0.02

Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.291 W/kg;

Smallest distance from peaks to all points 3 dB below is 14.0 mm

Ratio of SAR at M2 to SAR at M1 = 81.1 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23007

Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz

Medium: 1900 Head; Medium parameters used:

f = 1850.2 MHz; cond = 1.40 S/m; perm = 41.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/20/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(9.09,9.09,9.09); Calibrated: 2023-04-14

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

Electronics: DAE4 Sn1407; Calibrated: 2023-04-14

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GPRS 1900, Antenna B, Exp: Hotspot| Bottom Edge, Ch. Low, 4 Tx Slots

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

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

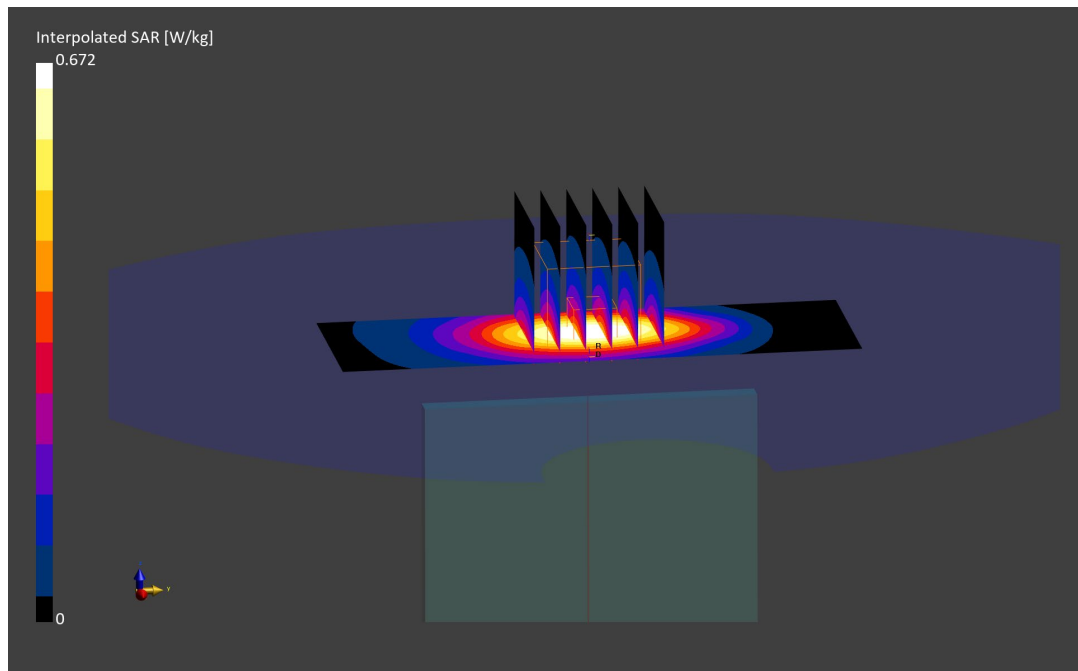
Reference Value = 0.39 W/kg; Power Drift = -0.02

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.389 W/kg

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

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



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
 $f = 836.6$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 39.624$; $\rho = 1000$ kg/m³
Phantom section: Right Section

Test Date: 09/21/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 836.6 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

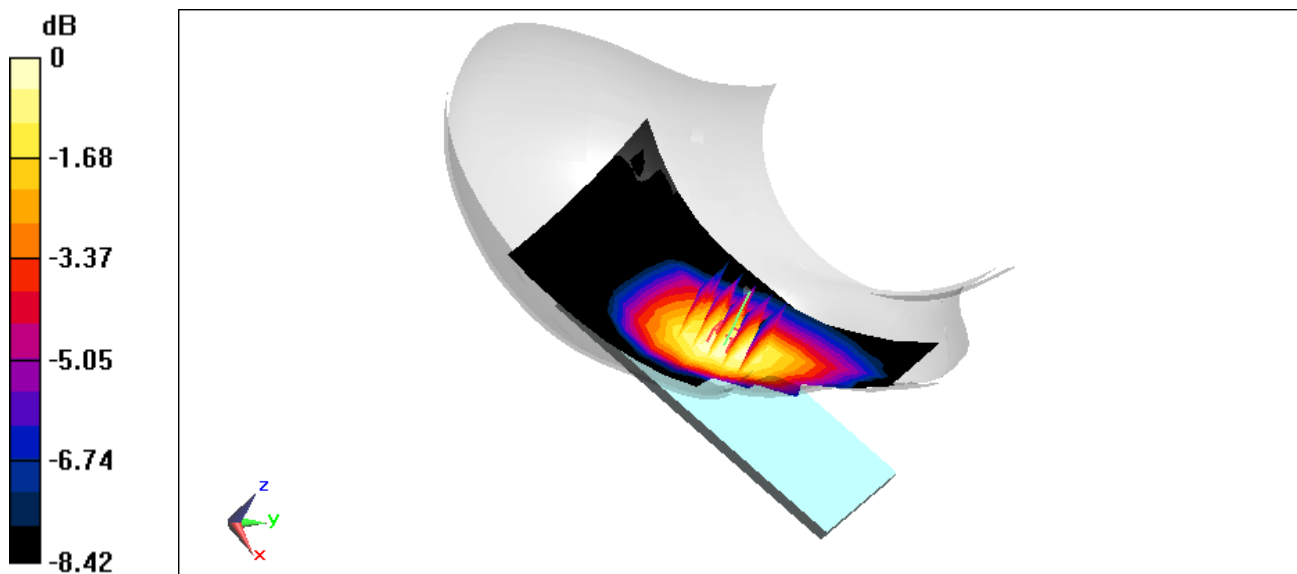
Reference Value = 16.68 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.236 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 = 85.4%



0 dB = 0.269 W/kg = -5.70 dBW/kg

ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23205

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

Medium: 835 Head; Medium parameters used:

f = 836.6 MHz; cond = 0.872 S/m; perm = 41.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/09/2023; Ambient Temp: 21.9°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7532; ConvF:(10.37,10.37,10.37); Calibrated: 2023-04-18

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

Electronics: DAE4 Sn501; Calibrated: 2023-04-14

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 850, Antenna A, Exp: Body-worn/Hotspot| Back Side, Ch. Mid

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

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

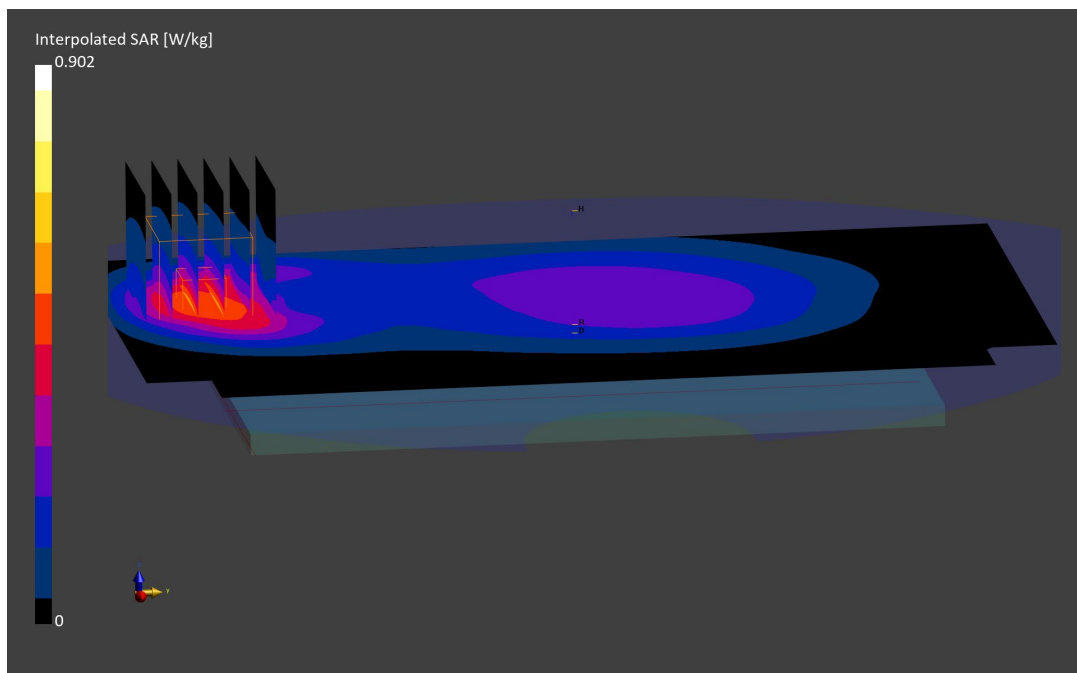
Reference Value = 0.55 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.902 W/kg

SAR(1 g) = 0.498 W/kg;

Smallest distance from peaks to all points 3 dB below is 9.6 mm

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



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

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

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.35 S/m; perm = 39.1; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 09/26/2023; Ambient Temp: 19.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7640; ConvF:(9.23,9.23,9.23); Calibrated: 2023-02-10

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

Electronics: DAE4 Sn1645; Calibrated: 2023-02-16

Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna B, Exp: Head| Left Cheek, Ch. Low

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

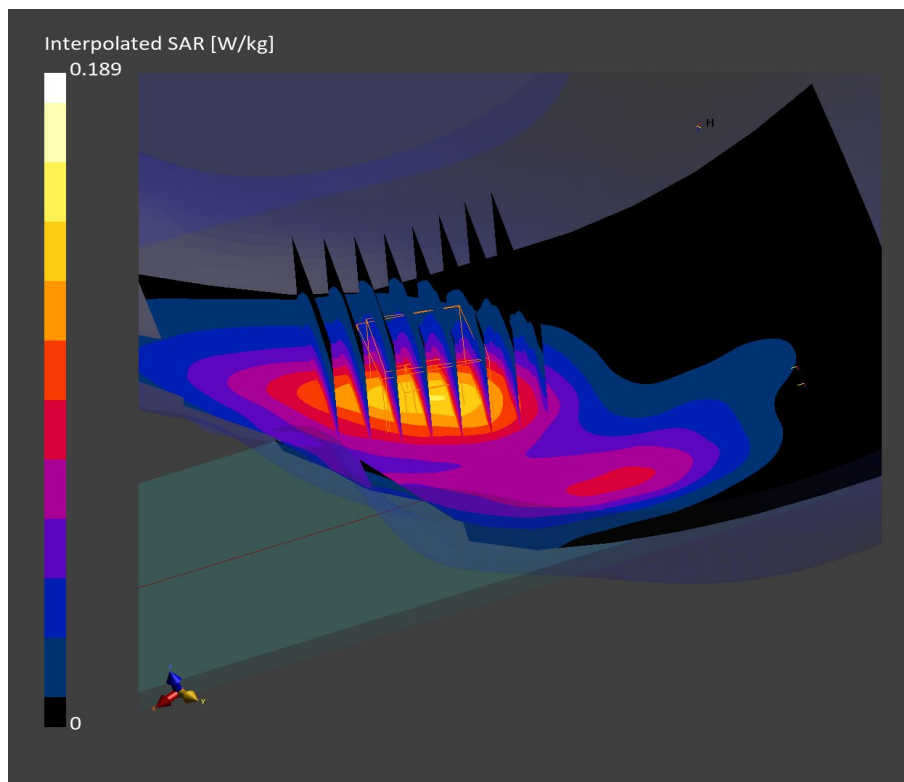
Reference Value = 0.12 W/kg; Power Drift = -0.02

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.125 W/kg;

Smallest distance from peaks to all points 3 dB below is 14.2 mm

Ratio of SAR at M2 to SAR at M1 = 89.3 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

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

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.35 S/m; perm = 39.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/26/2023; Ambient Temp: 19.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7640; ConvF:(9.23,9.23,9.23); Calibrated: 2023-02-10

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

Electronics: DAE4 Sn1645; Calibrated: 2023-02-16

Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna B, Exp: Body-worn/Hotspot| Back Side, Ch. Low

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

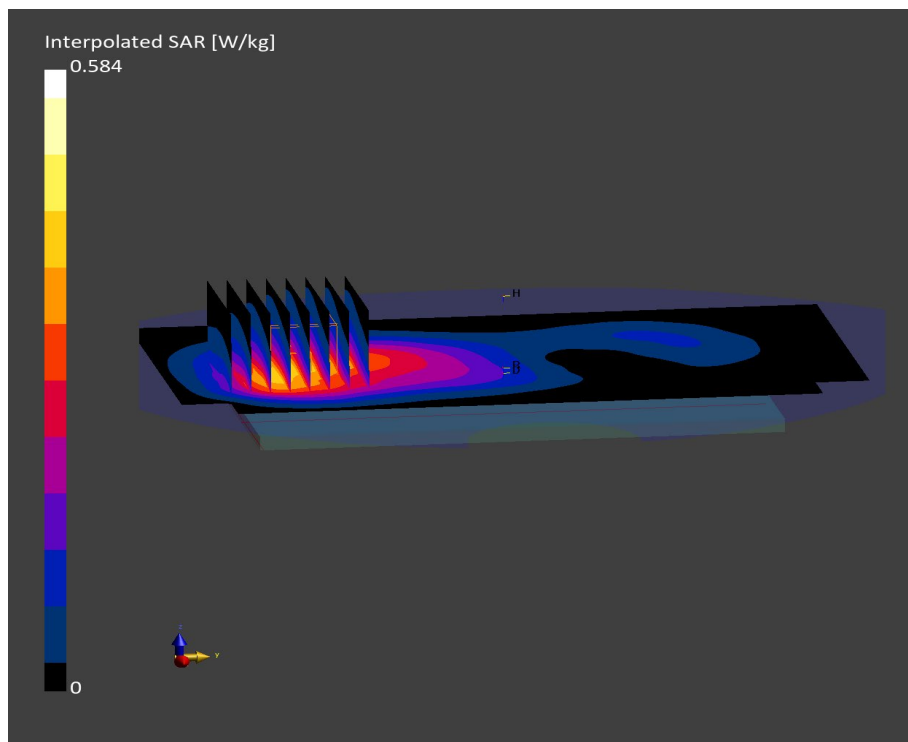
Reference Value = 0.32 W/kg; Power Drift = -0.02

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.356 W/kg;

Smallest distance from peaks to all points 3 dB below is 14.4 mm

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



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

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

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.35 S/m; perm = 39.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 09/26/2023; Ambient Temp: 19.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7640; ConvF:(9.23,9.23,9.23); Calibrated: 2023-02-10

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1645; Calibrated: 2023-02-16

Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna B, Exp: Hotspot| Bottom Edge, Ch. Low

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

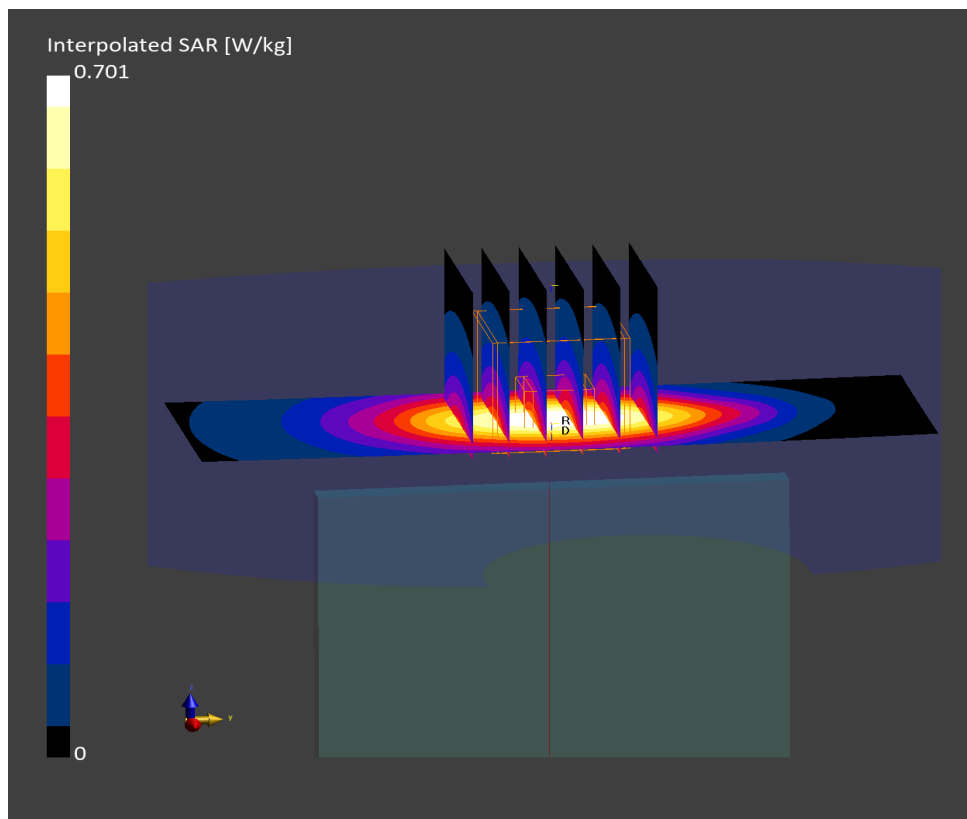
Reference Value = 0.31 W/kg; Power Drift = 0.00

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.399 W/kg;

Smallest distance from peaks to all points 3 dB below is 16.1 mm

Ratio of SAR at M2 to SAR at M1 = 81.6 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23759

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

Medium: 1900 Head; Medium parameters used:

f = 1852.4 MHz; cond = 1.34 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 09/25/2023; Ambient Temp: 21.1°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7638; ConvF:(8.8,8.8,8.8); Calibrated: 2023-03-16

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

Electronics: DAE4 Sn1408; Calibrated: 2023-03-13

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna B, Exp: Head| Left Cheek, Ch. Low

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

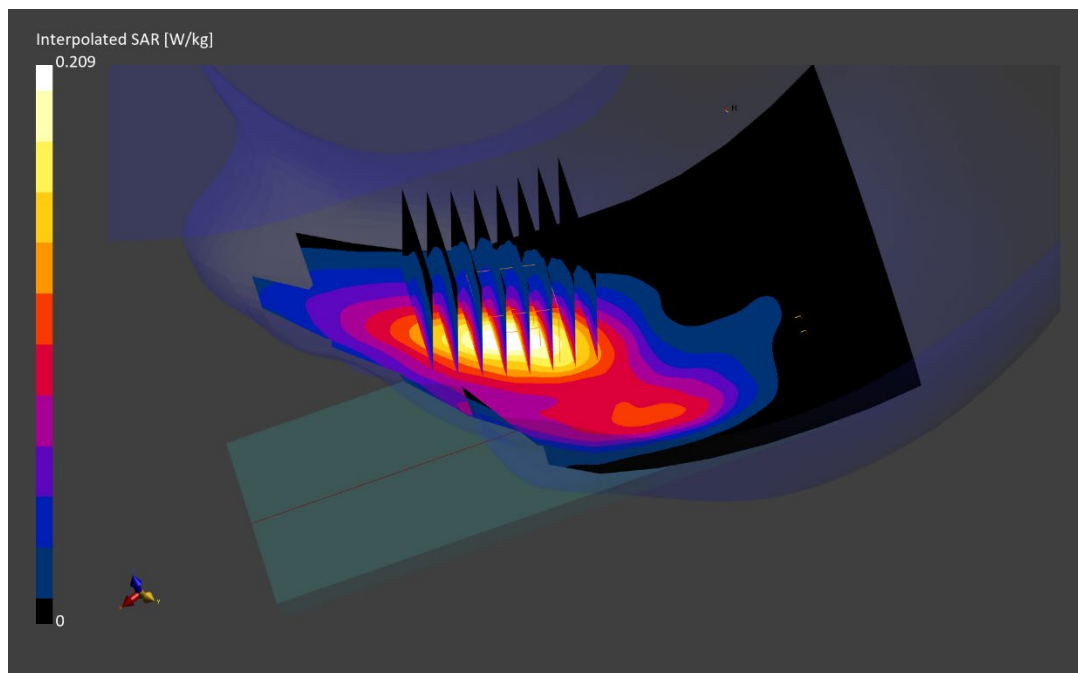
Reference Value = 0.16 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.140 W/kg;

Smallest distance from peaks to all points 3 dB below is 12.7 mm

Ratio of SAR at M2 to SAR at M1 = 89.1 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23759

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

Medium: 1900 Head; Medium parameters used:

f = 1907.6 MHz; cond = 1.45 S/m; perm = 38.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/09/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7421; ConvF:(7.43,7.43,7.43); 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: UMTS 1900, Antenna B, Exp: Body-worn/Hotspot| Back Side, Ch. High

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

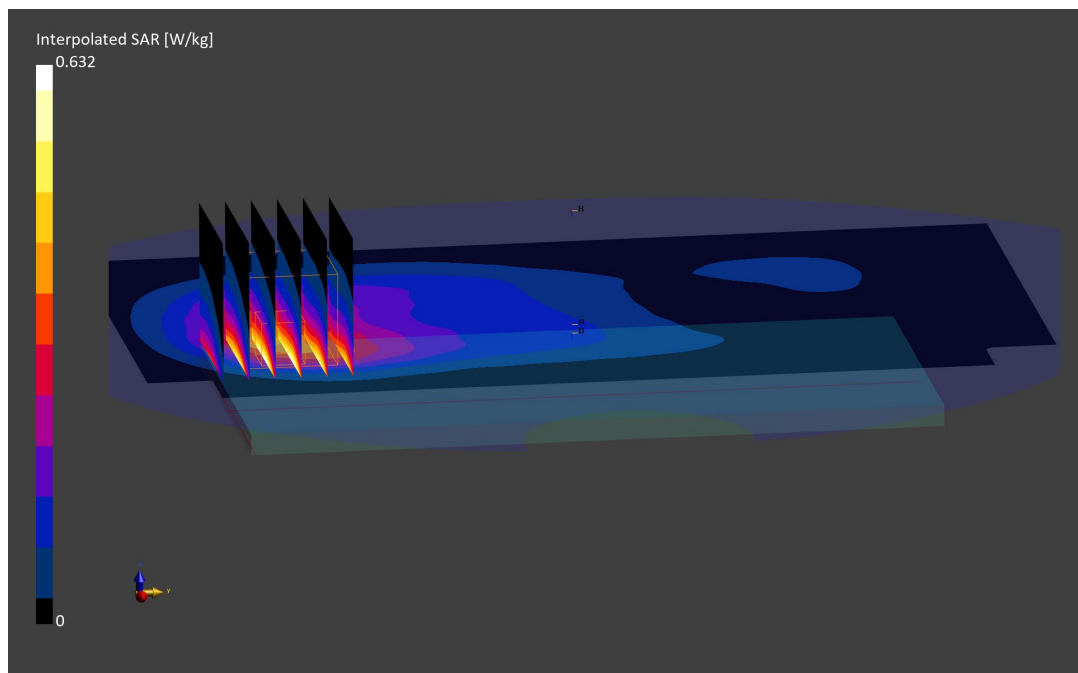
Reference Value = 0.35 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.346 W/kg;

Smallest distance from peaks to all points 3 dB below is 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 81.3 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23759

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

Medium: 1900 Head; Medium parameters used:

f = 1907.6 MHz; cond = 1.45 S/m; perm = 38.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/09/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7421; ConvF:(7.43,7.43,7.43); 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: UMTS 1900, Antenna B, Exp: Hotspot| Bottom Edge, Ch. High

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

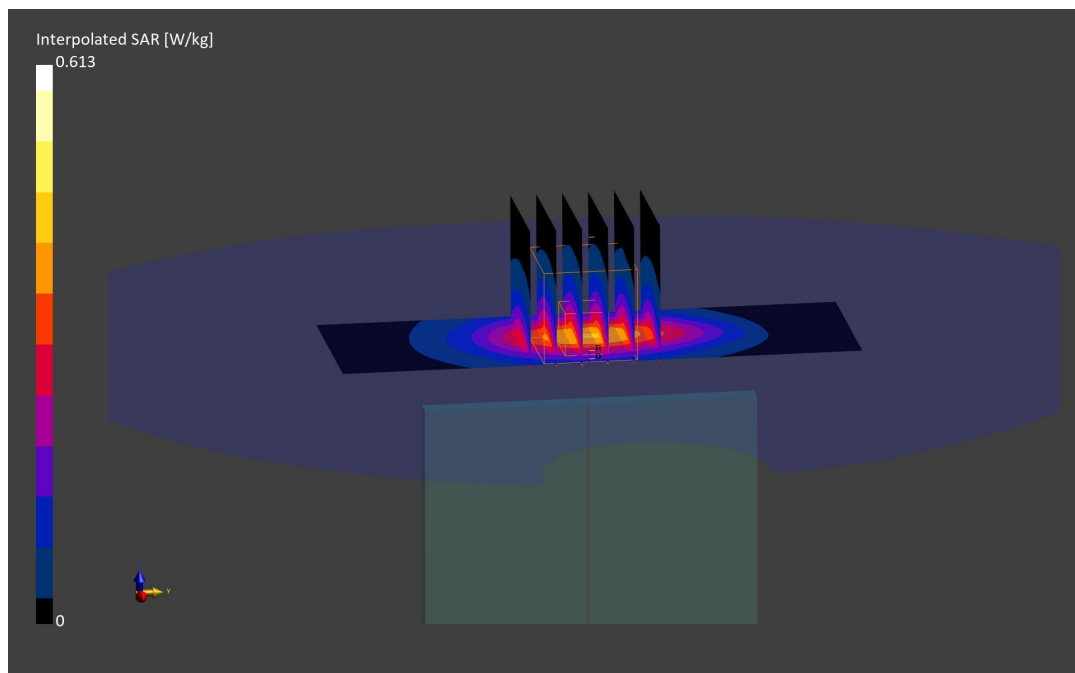
Reference Value = 0.37 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.613 W/kg

SAR(1 g) = 0.347 W/kg;

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

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



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 707.5 MHz
Medium: 750 Head; Medium parameters used:
f = 707.5 MHz; cond = 0.901 S/m; perm = 41.1; density = 1000 kg/m³
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/20/2023; Ambient Temp: 19.8°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7547; ConvF:(9.81,9.81,9.81); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 12, Antenna A, Exp: Head| Right Cheek, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset**

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

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

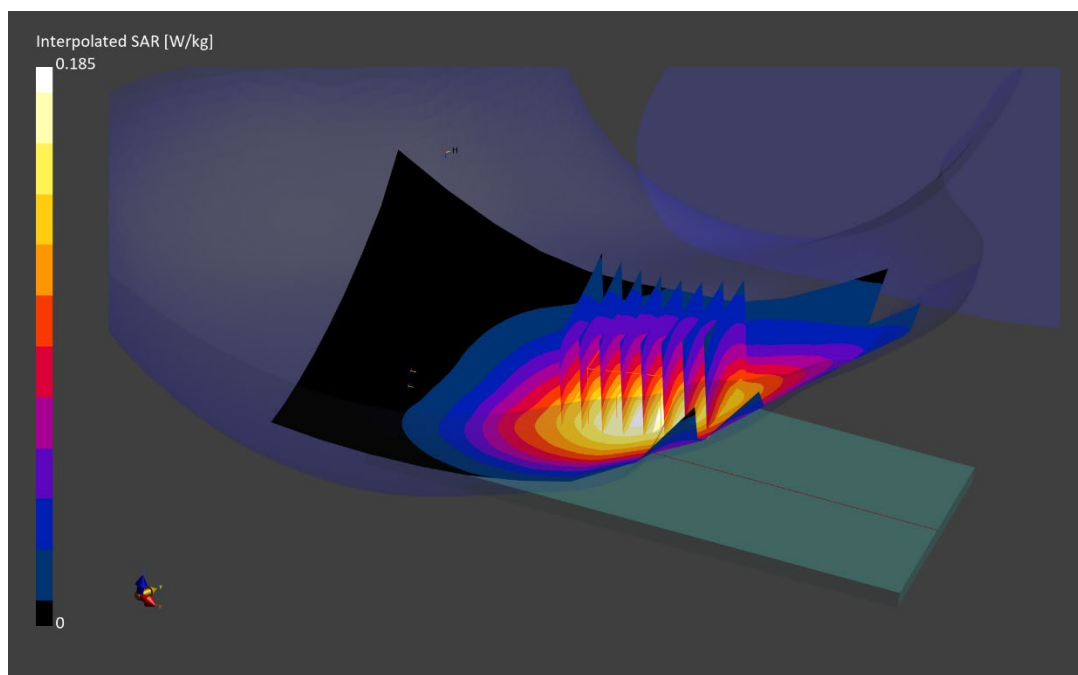
Reference Value = 0.16 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.154 W/kg;

Smallest distance from peaks to all points 3 dB below is 24.5 mm

Ratio of SAR at M2 to SAR at M1 = 94.7 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23742

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; $\sigma = 0.861$ S/m; $\epsilon_r = 43.229$; $\rho = 1000$ kg/m³
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/20/2023; Ambient Temp: 19.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7402; ConvF(10.21, 10.21, 10.21) @ 707.5 MHz; Calibrated: 5/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 6/27/2023
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 12, Body SAR, Back side, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset**

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

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

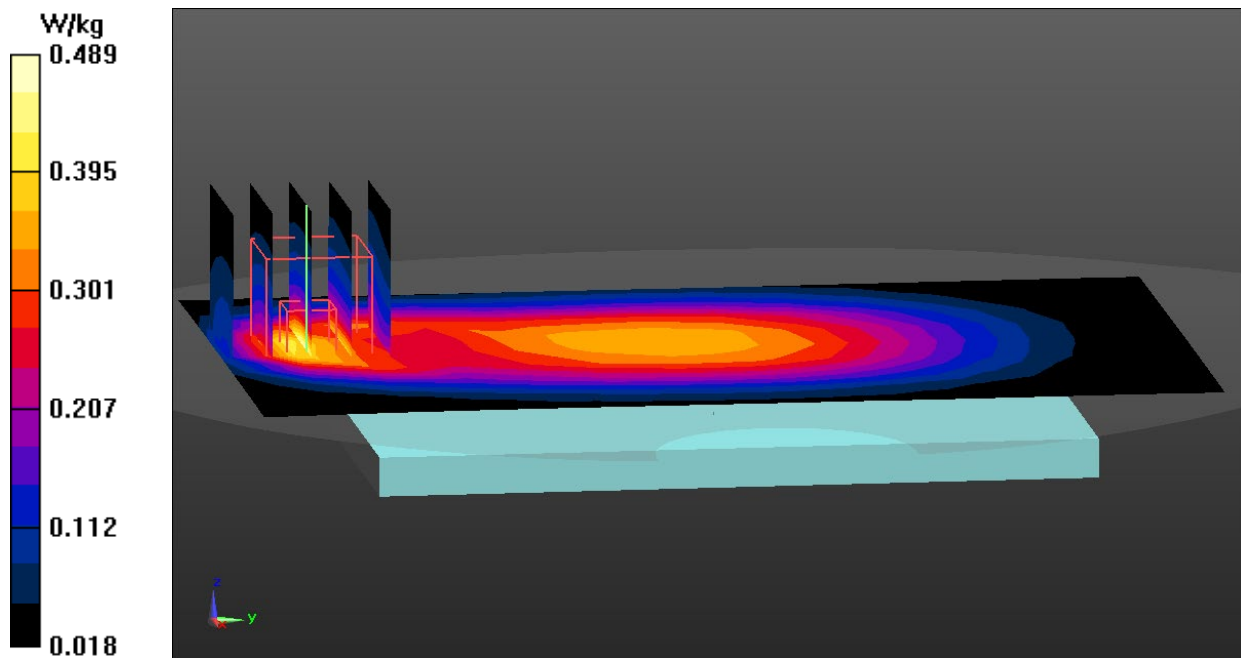
Reference Value = 20.18 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.187 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 55.1%



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz
Medium: 750 Head; Medium parameters used:
f = 782.0 MHz; cond = 0.929 S/m; perm = 40.8; density = 1000 kg/m³
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 09/20/2023; Ambient Temp: 19.8°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7547; ConvF:(9.81,9.81,9.81); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 13, Antenna A, Exp: Head| Right Cheek, Ch. Mid, 10 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

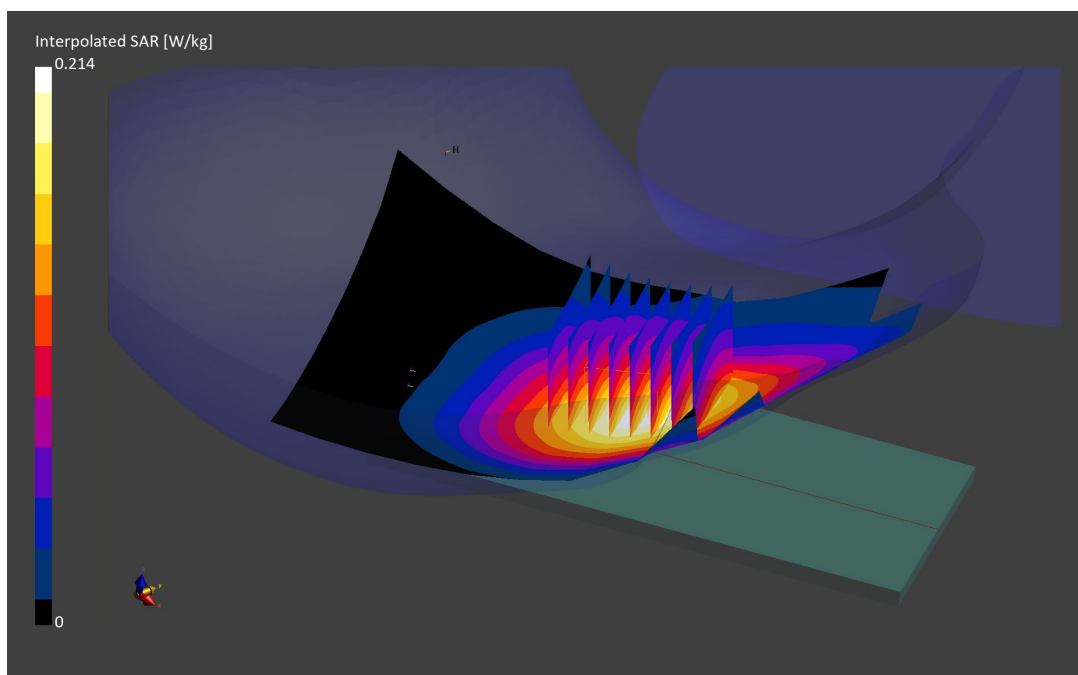
Reference Value = 0.17 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.173 W/kg;

Smallest distance from peaks to all points 3 dB below is 23.7 mm

Ratio of SAR at M2 to SAR at M1 = 94.2 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23742

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

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

$f = 782 \text{ MHz}$; $\sigma = 0.888 \text{ S/m}$; $\epsilon_r = 42.998$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/20/2023; Ambient Temp: 19.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7402; ConvF(10.21, 10.21, 10.21) @ 782 MHz; Calibrated: 5/10/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 6/27/2023

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

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

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

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

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

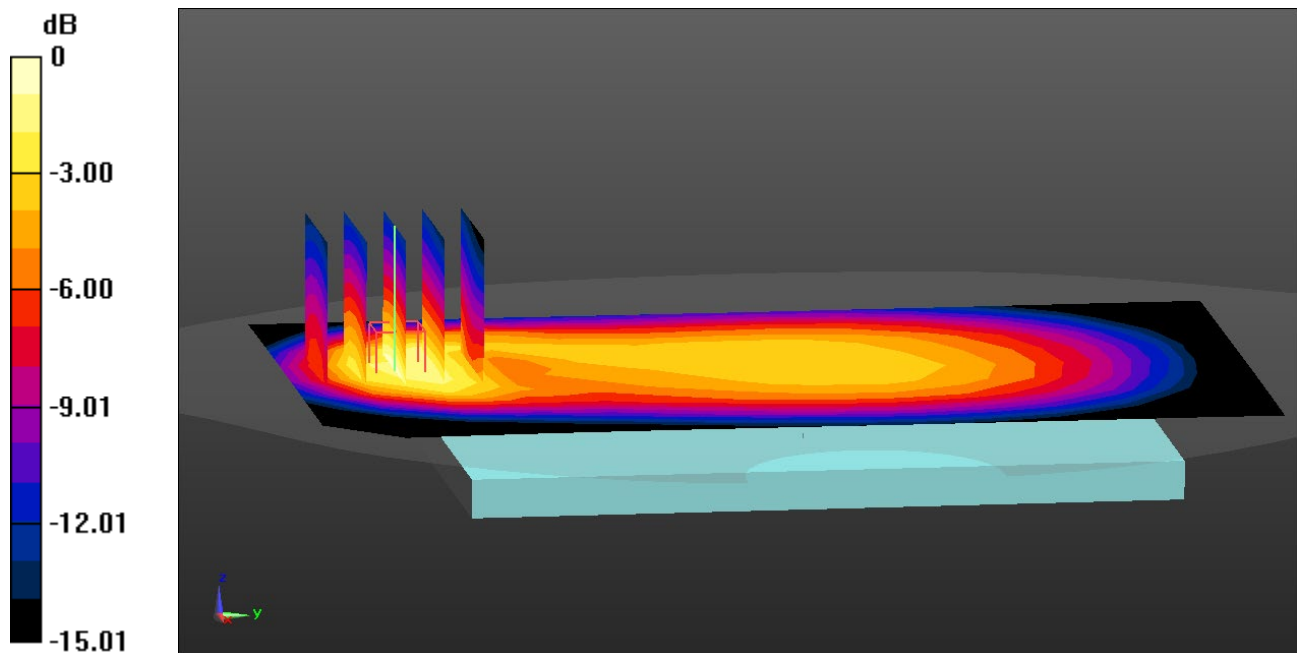
Reference Value = 22.50 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.743 W/kg

SAR(1 g) = 0.404 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56%



0 dB = 0.610 W/kg = -2.15 dBW/kg

ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23742

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; $\sigma = 0.905$ S/m; $\epsilon_r = 42.854$; $\rho = 1000$ kg/m³
Phantom section: Right Section; Space: 0.00 mm

Test Date: 09/20/2023; Ambient Temp: 19.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7402; ConvF(9.84, 9.84, 9.84) @ 831.5 MHz; Calibrated: 5/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 6/27/2023
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 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

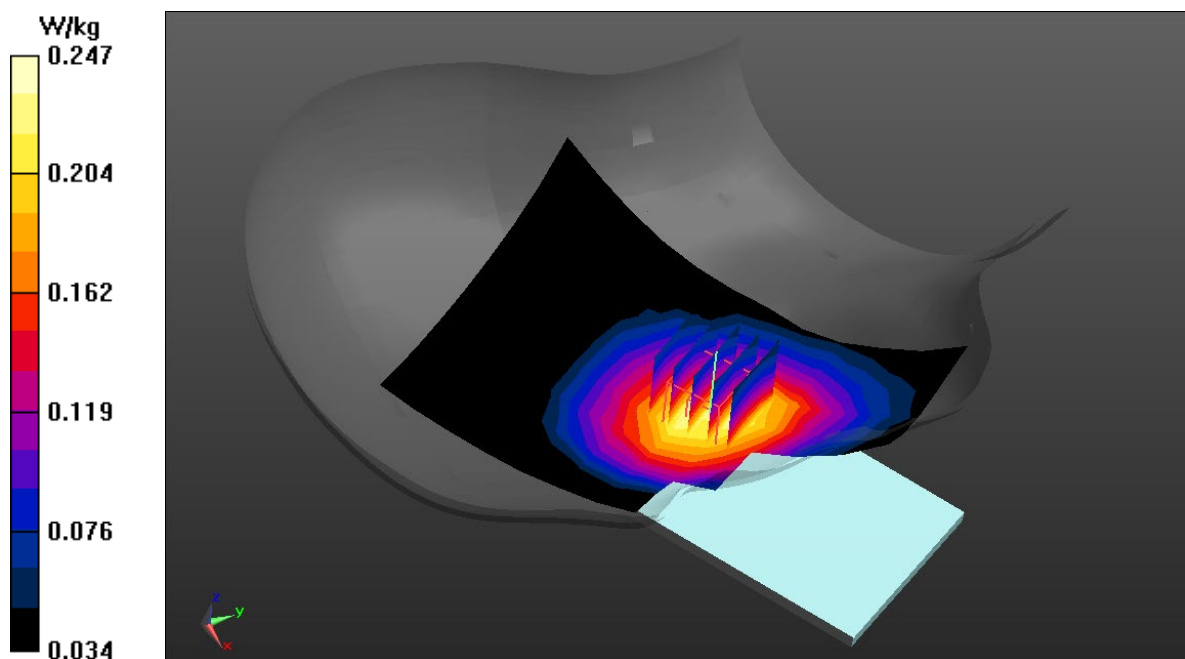
Reference Value = 16.27 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.266 W/kg

SAR(1 g) = 0.209 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 = 79%



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23742

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; $\sigma = 0.905$ S/m; $\epsilon_r = 42.854$; $\rho = 1000$ kg/m³
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/20/2023; Ambient Temp: 19.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7402; ConvF(9.84, 9.84, 9.84) @ 831.5 MHz; Calibrated: 5/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1502; Calibrated: 6/27/2023
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626
Measurement SW: DASYS2, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 26 (Cell.), Body SAR, Back side, 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

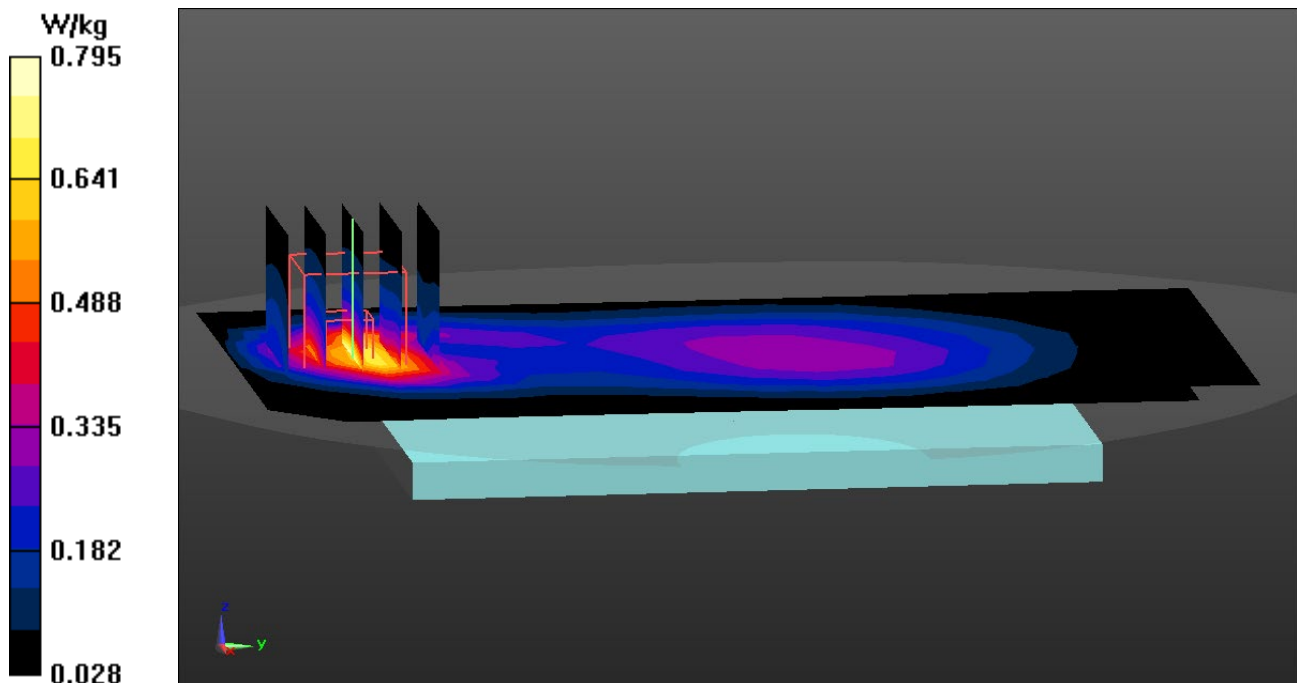
Reference Value = 25.05 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.516 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.9%



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

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

Medium: 1750 Head; Medium parameters used:

f = 1720.0 MHz; cond = 1.37 S/m; perm = 38.4; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 11/13/2023; Ambient Temp: 21.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7558; ConvF:(8.94,8.94,8.94); Calibrated: 2023-09-12

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

Electronics: DAE4 Sn1364; Calibrated: 2023-09-06

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66, Antenna B, Exp: Head| Left Cheek, Ch. Low,
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

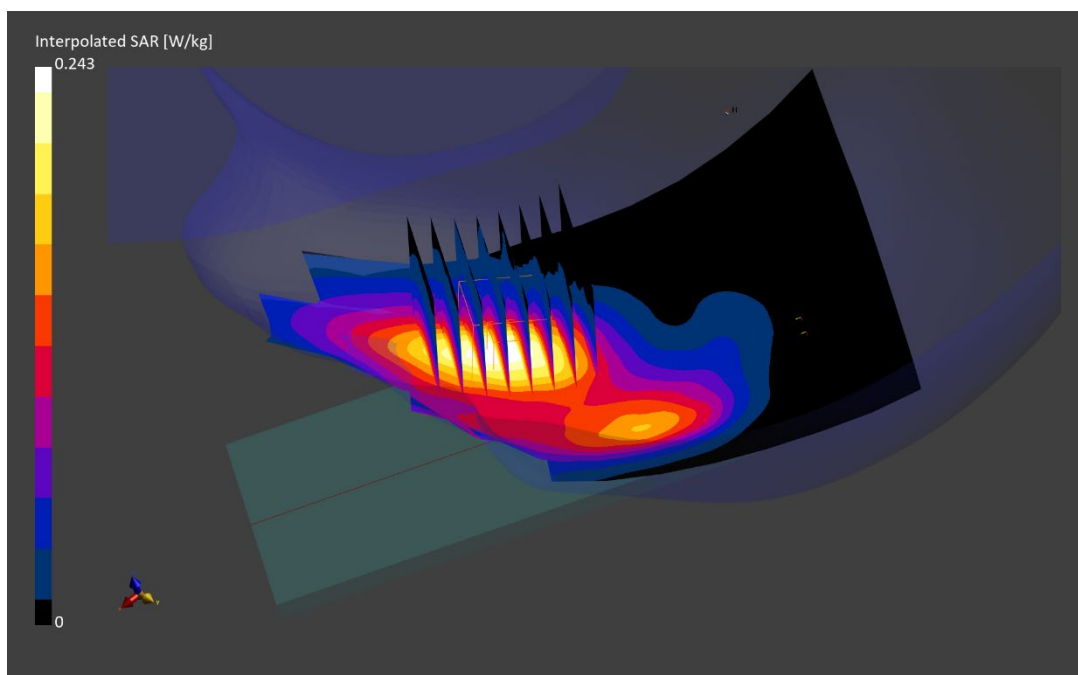
Reference Value = 0.13 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.164 W/kg

Smallest distance from peaks to all points 3 dB below is 13.2 mm

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



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23742

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

Medium: 1750 Head; Medium parameters used:

f = 1720.0 MHz; cond = 1.34 S/m; perm = 42.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/12/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7558; ConvF:(8.94,8.94,8.94); Calibrated: 2023-09-12

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

Electronics: DAE4 Sn1364; Calibrated: 2023-09-06

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66, Antenna B, Exp: Body-worn/Hotspot| Back Side, Ch. Low,
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

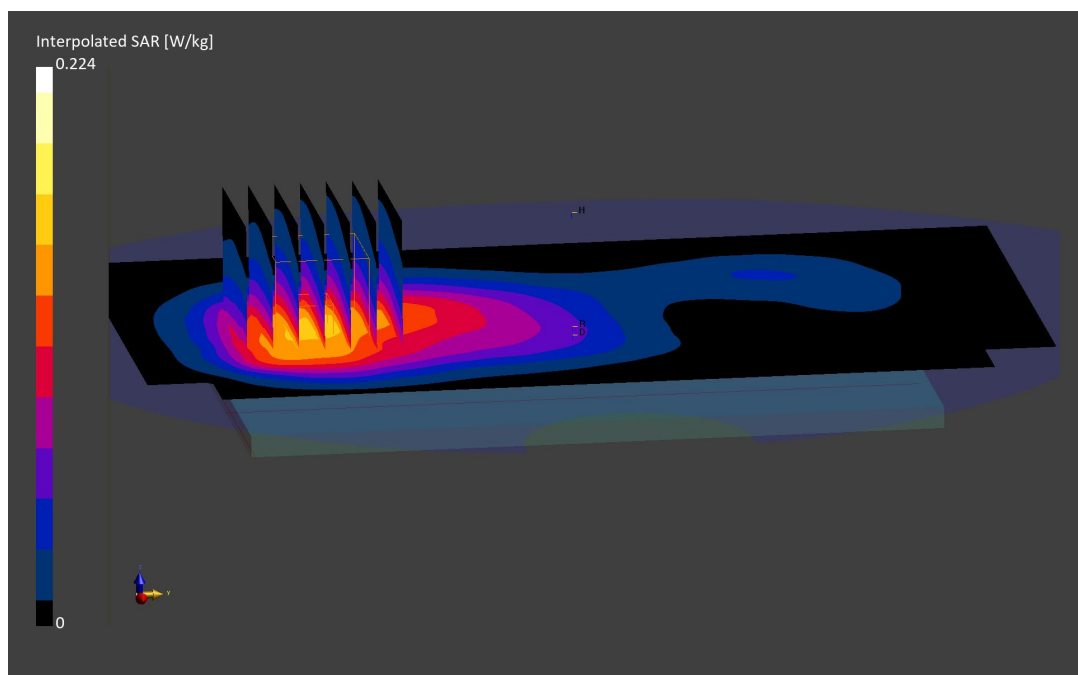
Reference Value = 0.13 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.139 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 = 83.1 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23742

Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1720.0 MHz

Medium: 1750 Head; Medium parameters used:

f = 1720.0 MHz; cond = 1.34 S/m; perm = 42.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/12/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7558; ConvF:(8.94,8.94,8.94); Calibrated: 2023-09-12

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

Electronics: DAE4 Sn1364; Calibrated: 2023-09-06

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 66, Antenna B, Exp: Hotspot| Bottom Edge, Ch. Low,
20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset**

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

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

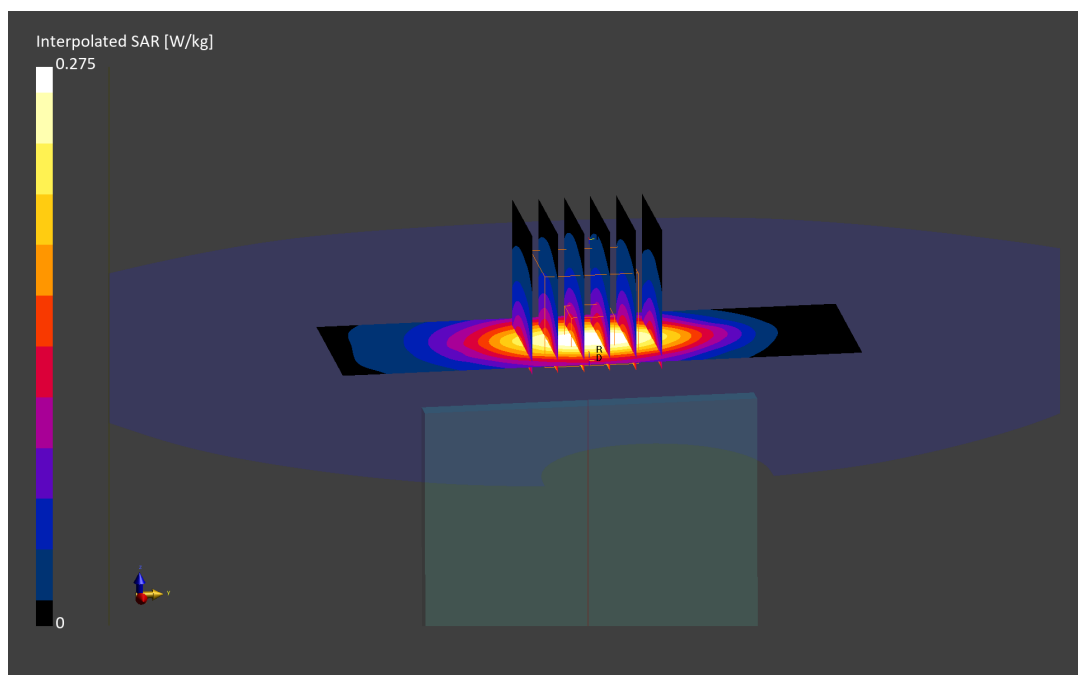
Reference Value = 0.16 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.163 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 = 83.4 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23684

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz

Medium: 1750 Head; Medium parameters used:

f = 1732.5 MHz; cond = 1.33 S/m; perm = 39.9; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/17/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 4, Antenna C, Exp: Head| Right Cheek, Ch. Mid,
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 (36.0 x 36.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

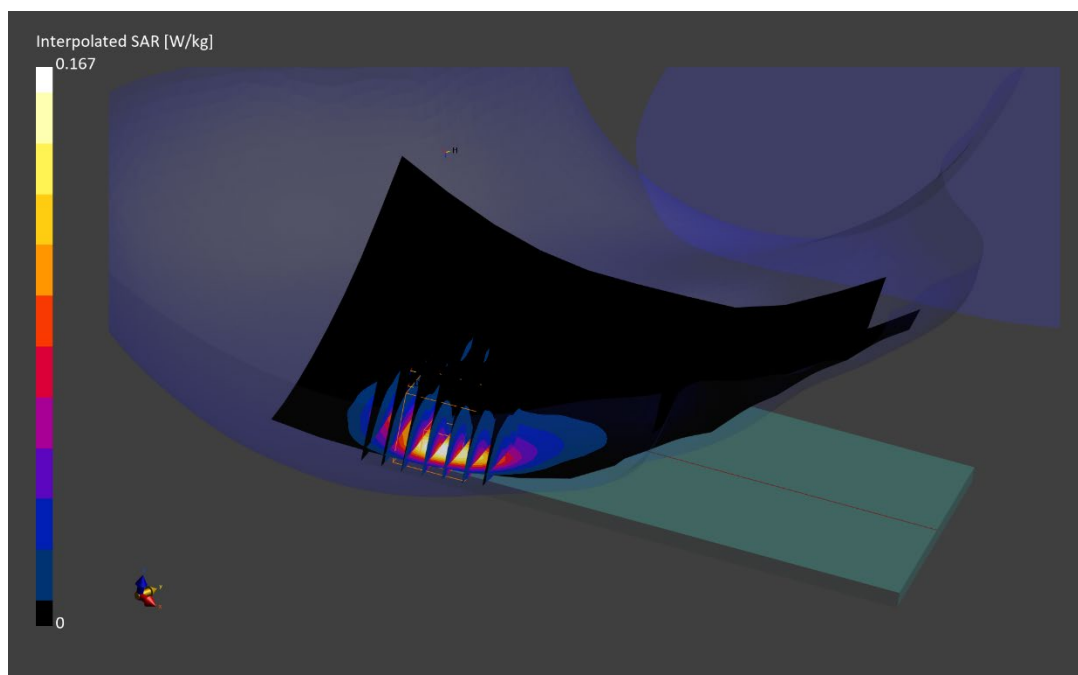
Reference Value = 0.09 W/kg; Power Drift = 0.03

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.082 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 = 80.8 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23684

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz

Medium: 1750 Head; Medium parameters used:

f = 1732.5 MHz; cond = 1.34 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/19/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 4, Antenna C, Exp: Body-worn/Hotspot| Back Side, Ch. Mid,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

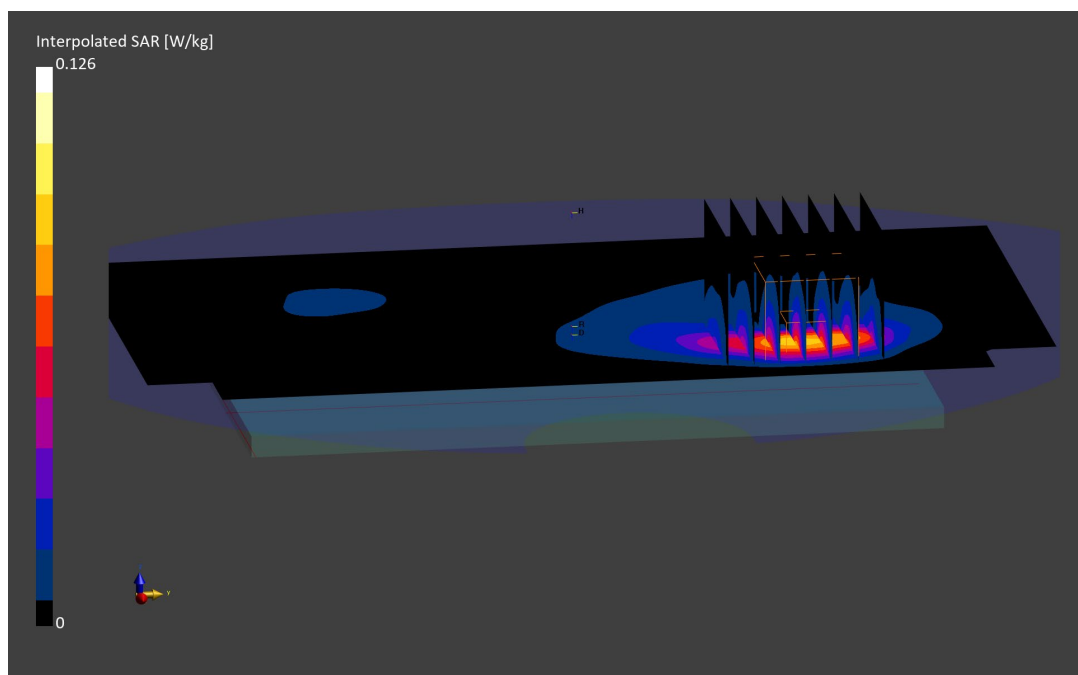
Reference Value = 0.06 W/kg; Power Drift = 0.02

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.063 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 = 80.9 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22827

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

Medium: 1900 Head; Medium parameters used:

f = 1860.0 MHz; cond = 1.43 S/m; perm = 41.8; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 11/20/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7713; ConvF:(8.68,8.68,8.68); Calibrated: 2023-01-11

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 2, Antenna B, Exp: Head| Left Cheek, Ch. Low,
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

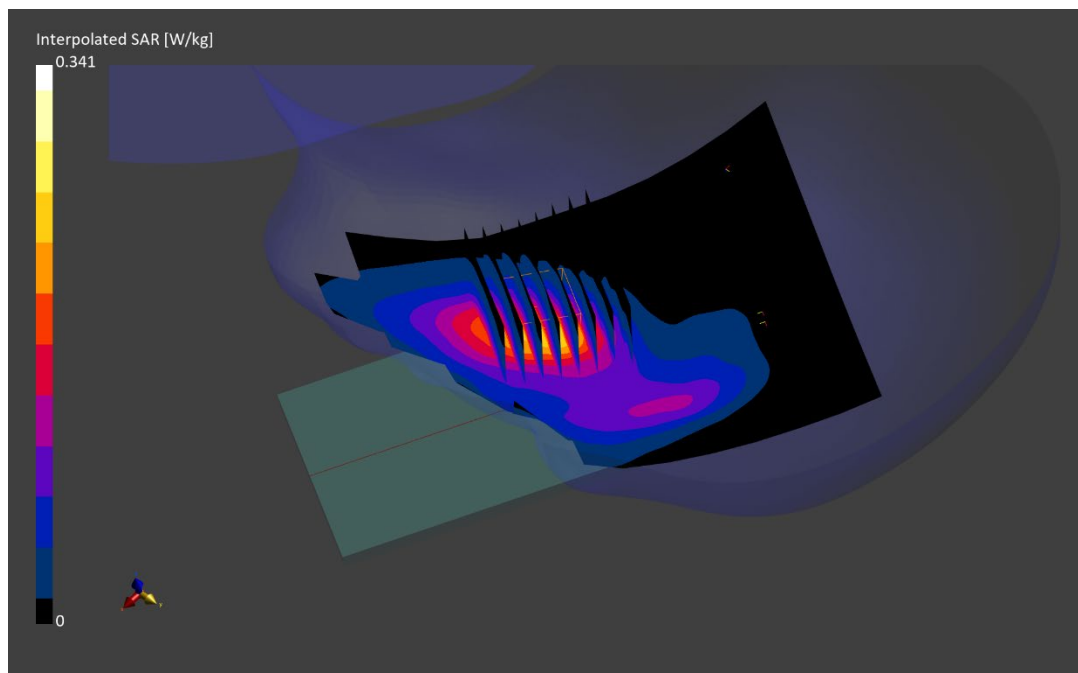
Reference Value = 0.23 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.341 W/kg

SAR(1 g) = 0.219 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 = 88.8 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23007

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

Medium: 1900 Head; Medium parameters used:

f = 1860.0 MHz; cond = 1.40 S/m; perm = 40.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/16/2023; Ambient Temp: 21.8°C; Tissue Temp: 23.3°C

Probe: EX3DV4 - SN7659; ConvF:(9.09,9.09,9.09); Calibrated: 2023-04-14

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

Electronics: DAE4 Sn1407; Calibrated: 2023-04-14

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 2, Antenna C, Exp: Body-worn/Hotspot| Back Side, Ch. Low,
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=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5

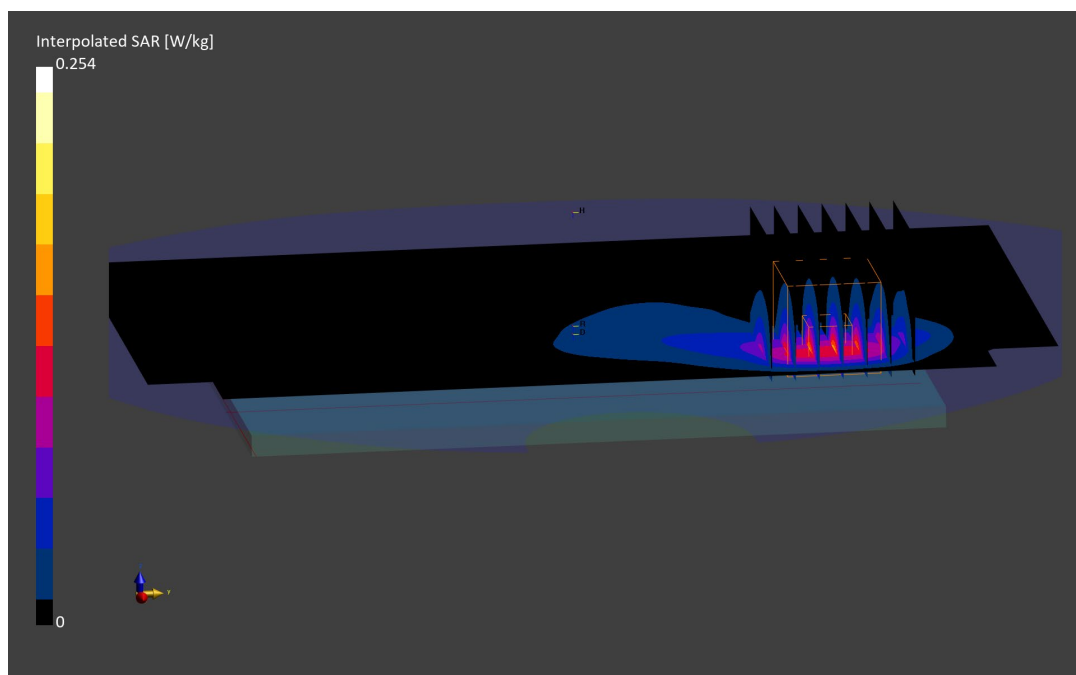
Reference Value = 0.13 W/kg; Power Drift = 0.00

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.126 W/kg;

Smallest distance from peaks to all points 3 dB below is 7.7 mm

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



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22322

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2506.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2506.0 MHz; cond = 1.88 S/m; perm = 38.9; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/09/2023; Ambient Temp: 20.8°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Antenna B, Exp: Head| Left Cheek, Ch. Low,
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

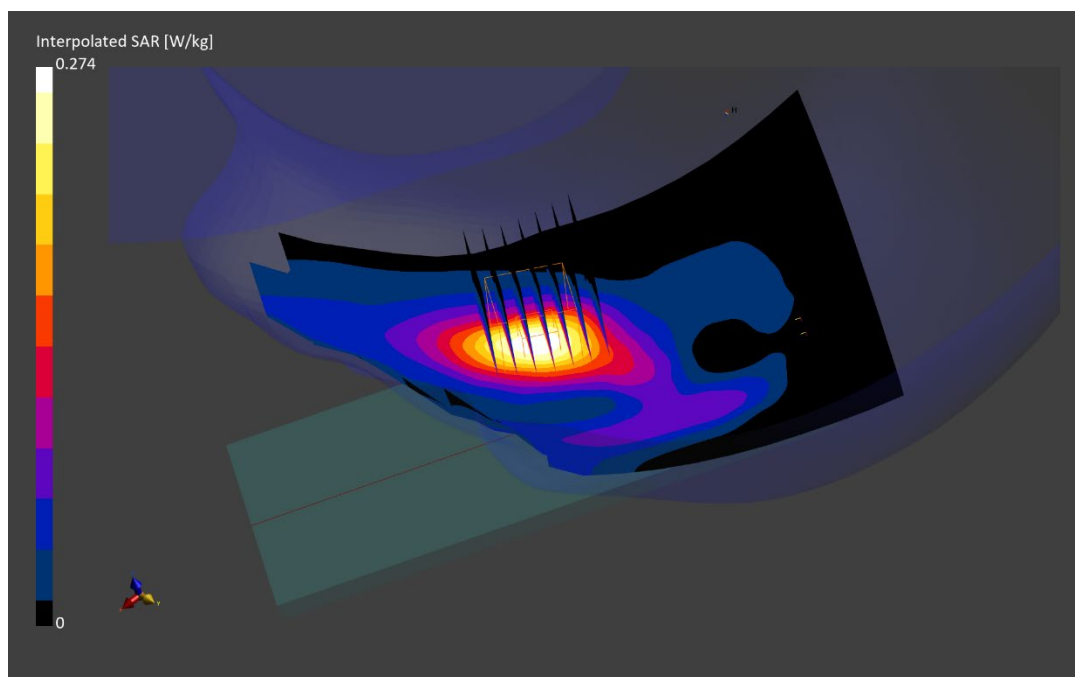
Reference Value = 0.18 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.165 W/kg;

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

Ratio of SAR at M2 to SAR at M1 = 86.4 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22322

Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 2506.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2506.0 MHz; cond = 1.88 S/m; perm = 38.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/09/2023; Ambient Temp: 20.8°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Antenna B, Exp: Body-worn/Hotspot| Back Side, Ch. Low,
20 MHz Bandwidth, 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=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

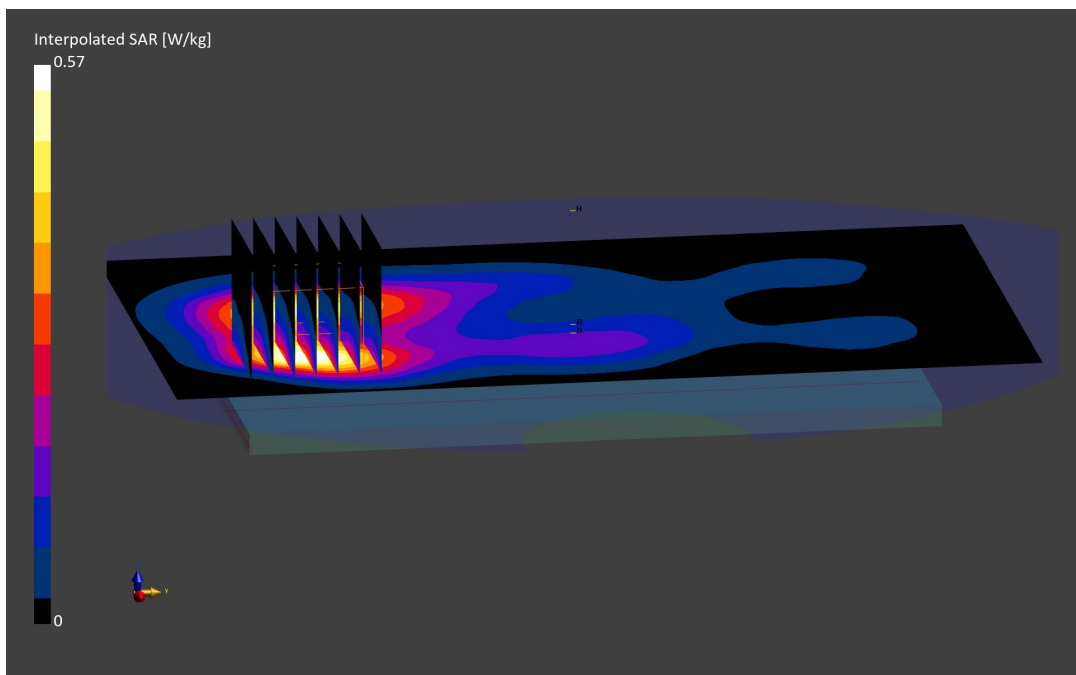
Reference Value = 0.31 W/kg; Power Drift = 0.01

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.280 W/kg;

Smallest distance from peaks to all points 3 dB below is 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 78.6 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

Communication System: UID 0, NR Band n5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
 $f = 836.5 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 42.167$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section; Space: 0.00 mm

Test Date: 10/12/2023; Ambient Temp: 22.8°C; Tissue Temp: 23.8°C

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

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

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

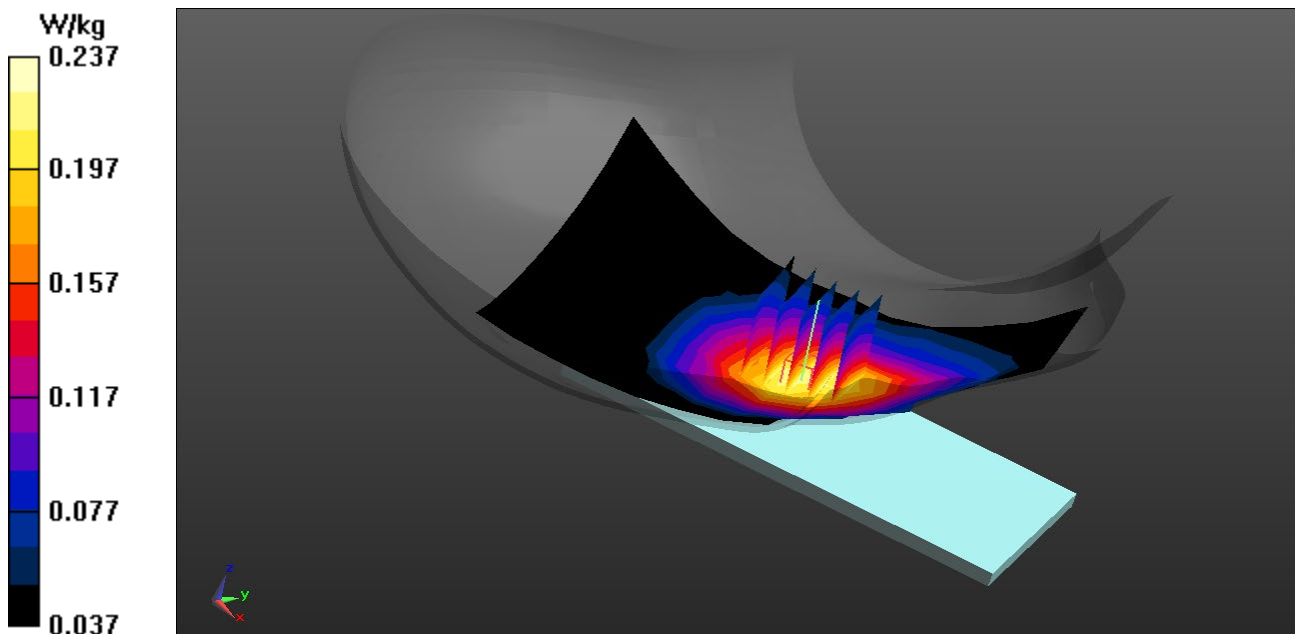
Reference Value = 16.44 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.201 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 = 79.3%



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23668

Communication System: UID 0, NR Band n5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
 $f = 836.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 42.167$; $\rho = 1000$ kg/m³
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/12/2023; Ambient Temp: 22.8°C; Tissue Temp: 23.8°C

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

**Mode: NR Band n5, Body SAR, Back Side, 20 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch. 167300, 1 RB, 104 RB Offset**

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

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

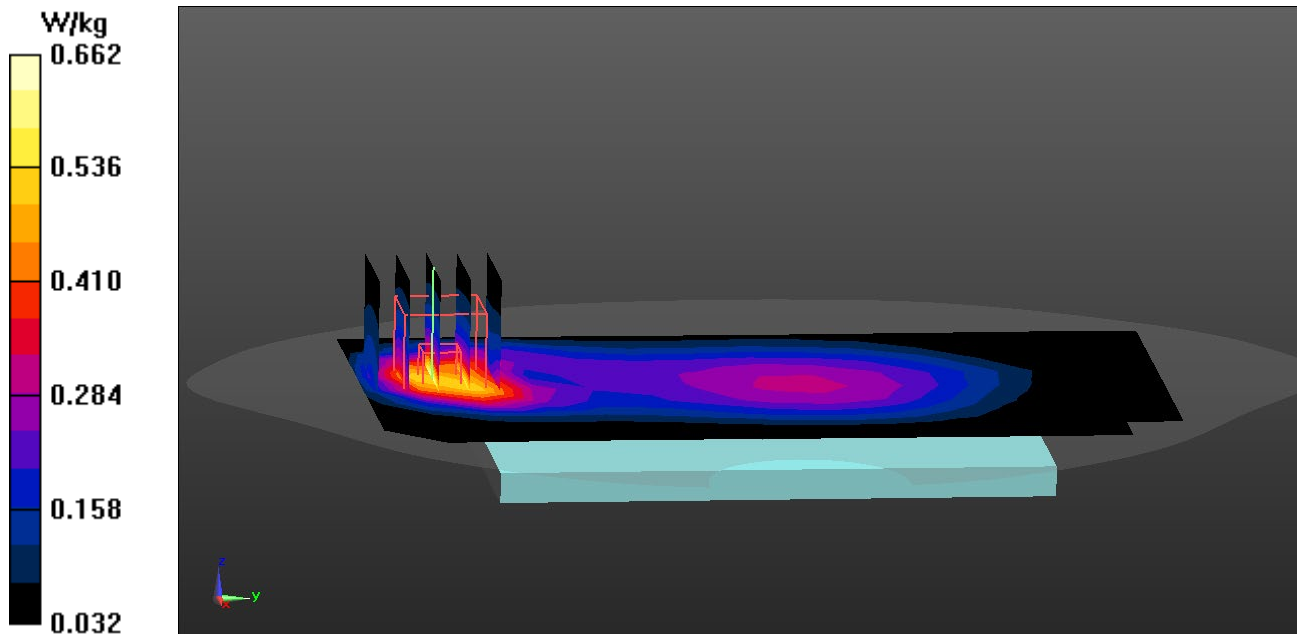
Reference Value = 24.00 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.804 W/kg

SAR(1 g) = 0.463 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.3%



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22827

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

Medium: 1750 Head; Medium parameters used:

f = 1745.0 MHz; cond = 1.33 S/m; perm = 39.9; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/17/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n66, Antenna B, Exp: Head| Left Cheek, Ch. 349000,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 54 RB Offset**

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

Zoom Scan (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

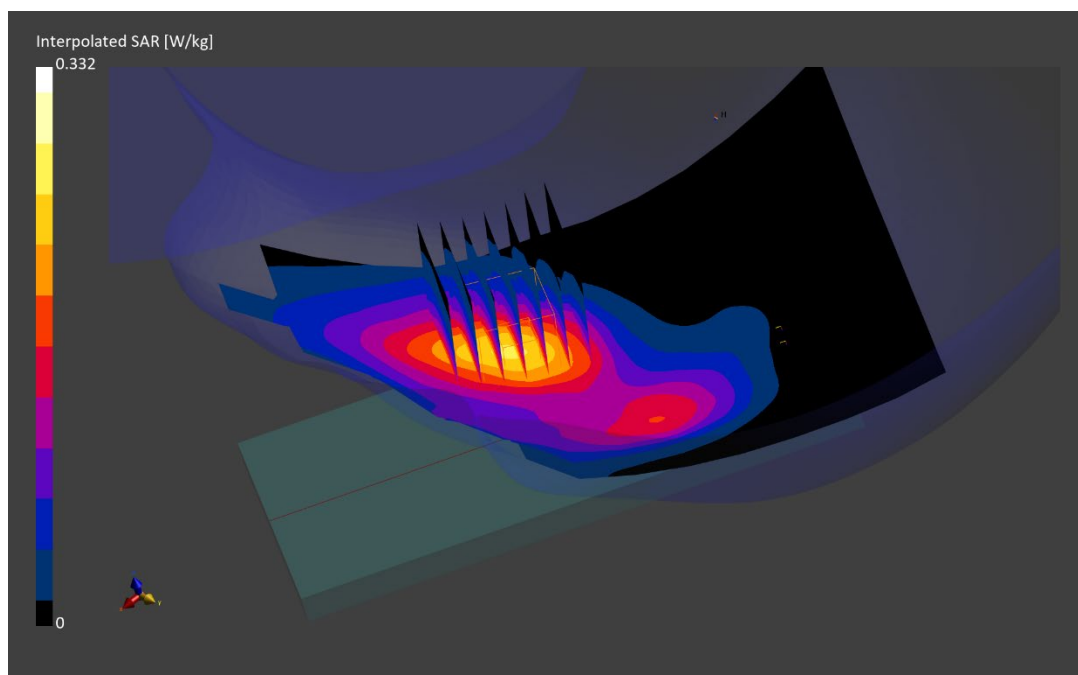
Reference Value = 0.24 W/kg; Power Drift = -0.08

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.212 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 85.8 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22827

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

Medium: 1750 Head; Medium parameters used:

f = 1745.0 MHz; cond = 1.33 S/m; perm = 39.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/17/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n66, Antenna B, Exp: Body-worn/Hotspot| Back Side, Ch. 349000,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 54 RB Offset**

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

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

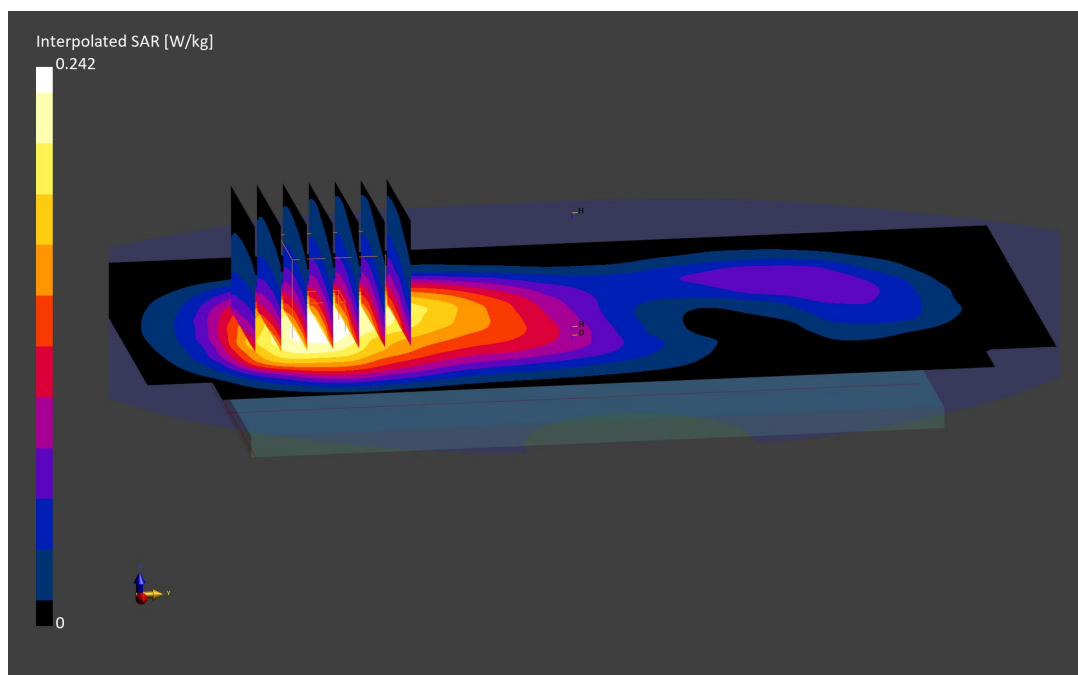
Reference Value = 0.16 W/kg; Power Drift = -0.05

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.154 W/kg;

Smallest distance from peaks to all points 3 dB below is 24.7 mm

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



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22983

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

Medium: 2450 Head; Medium parameters used:

f = 2437.0 MHz; cond = 1.82 S/m; perm = 39.0; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/09/2023; Ambient Temp: 20.8°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna E, 20 MHz Bandwidth, Exp: Head| Right
Cheek, Ch. 6, 1Mbps**

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

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

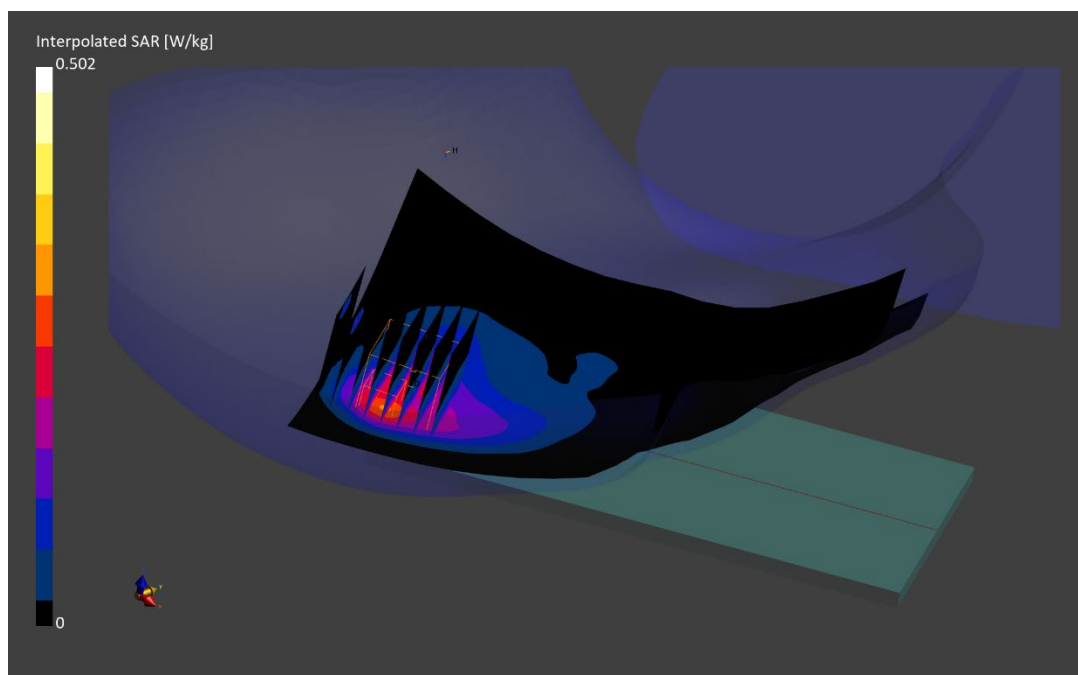
Reference Value = 0.24 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.502 W/kg

SAR(1 g) = 0.223 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 = 75.1 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22983

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

Medium: 2450 Head; Medium parameters used:

f = 2437.0 MHz; cond = 1.82 S/m; perm = 39.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/09/2023; Ambient Temp: 20.8°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna E, 20 MHz Bandwidth,
Exp: Body-worn/Hotspot| Back Side, Ch. 6, 1Mbps**

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

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

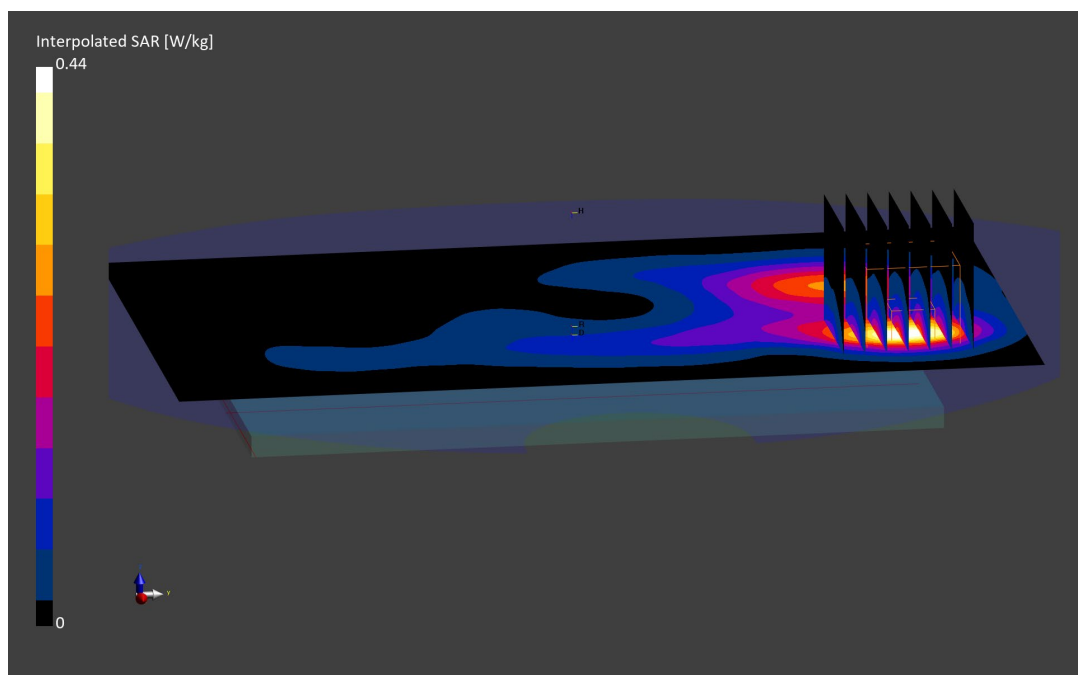
Reference Value = 0.24 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.440 W/kg

SAR(1 g) = 0.209 W/kg

Smallest distance from peaks to all points 3 dB below is 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 79.0 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 22983

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5775.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5775.0 MHz; cond = 5.30 S/m; perm = 34.6; density = 1000 kg/m³
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/13/2023; Ambient Temp: 19.1°C; Tissue Temp: 19.2°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: 5 GHz WIFI/ IEEE 802.11ac, Antenna E, 80 MHz Bandwidth, U-NII-3, Exp: Head|
Right Tilt, Ch. 155, 29.3 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

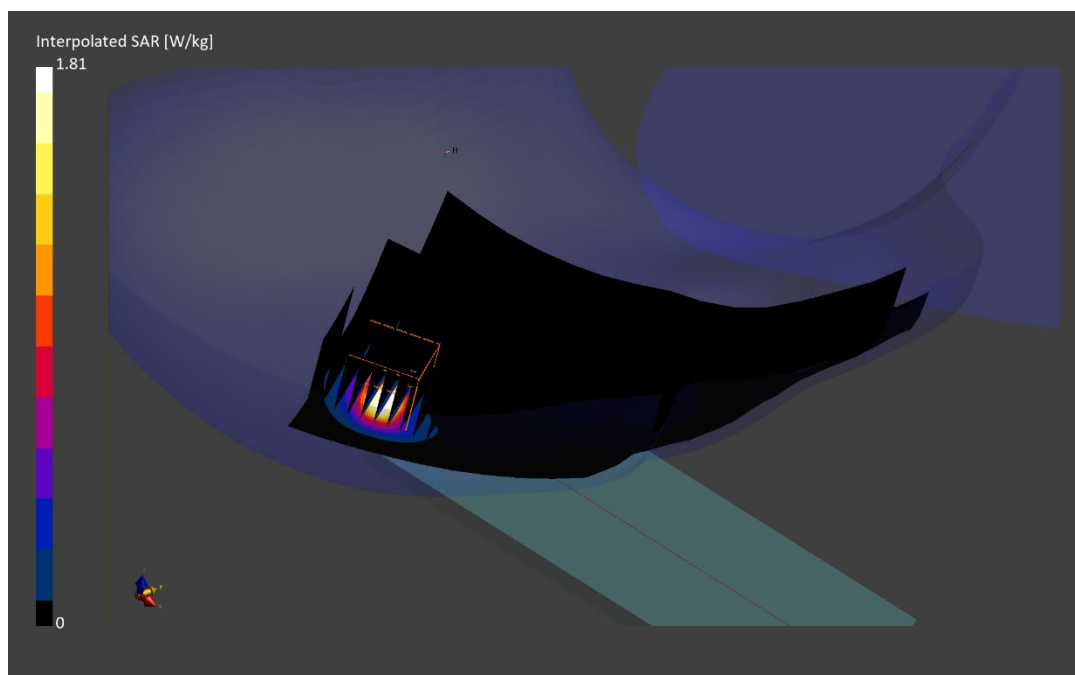
Reference Value = 0.30 W/kg; Power Drift = 0.02

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.410 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 = 58.7 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23619

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5775.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5775.0 MHz; cond = 5.20 S/m; perm = 34.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/07/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7417; ConvF:(5.13,5.13,5.13); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna E, 80 MHz Bandwidth, U-NII-3, Exp: Body-worn/Hotspot| Back Side, Ch. 155, 58.5 Mbps

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

Zoom Scan (24.0 x 24.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

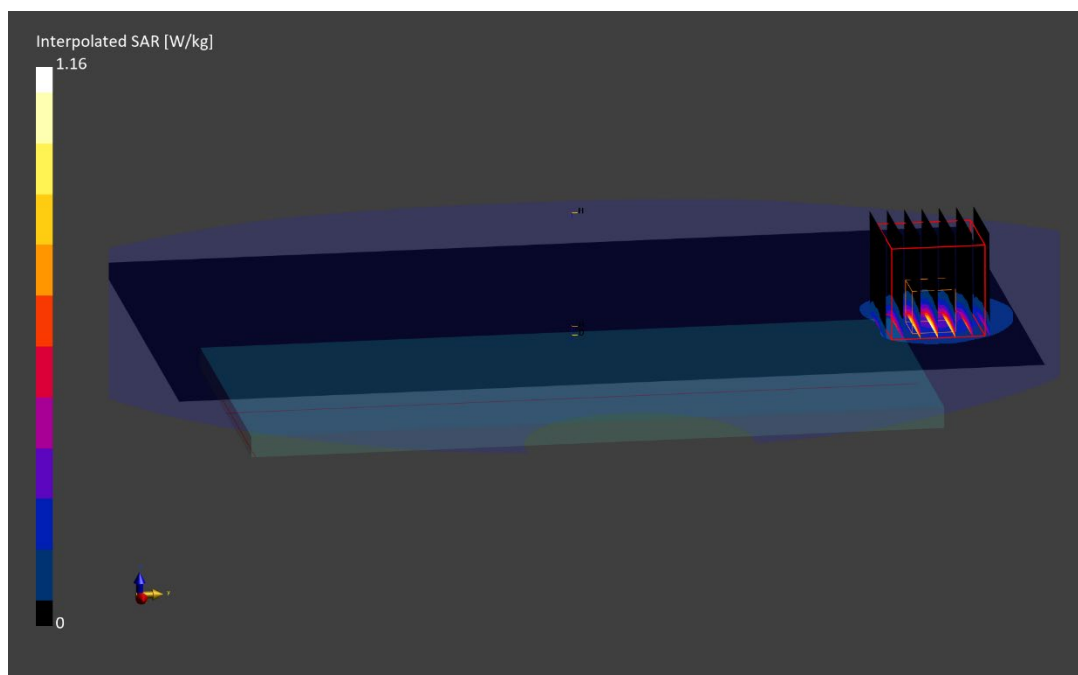
Reference Value = 0.19 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.296 W/kg;

Smallest distance from peaks to all points 3 dB below is 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.0 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23619

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5775.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5775.0 MHz; cond = 5.20 S/m; perm = 34.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/07/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7417; ConvF:(5.13,5.13,5.13); Calibrated: 2023-02-08

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

Electronics: DAE4 Sn665; Calibrated: 2023-02-15

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna E, 80 MHz Bandwidth, U-NII-3, Exp: Hotspot|
Top Edge, Ch. 155, 58.5 Mbps**

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 24.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

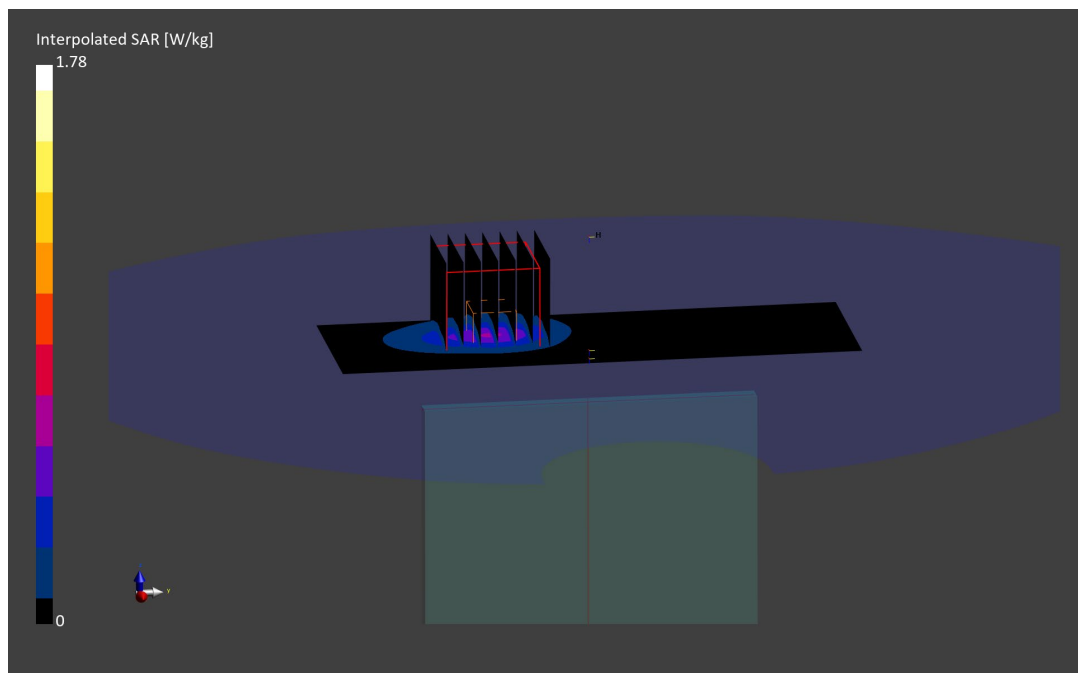
Reference Value = 0.25 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.448 W/kg;

Smallest distance from peaks to all points 3 dB below is 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.9 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23619

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5530.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5530.0 MHz; cond = 4.90 S/m; perm = 35.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/07/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7417; ConvF:(4.99,4.99,4.99); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna E, 80 MHz Bandwidth, U-NII-2C, Exp:
Phablet| Top Edge, Ch. 106, 58.5 Mbps**

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (25.6 x 25.6 x 22.0): Measurement grid: dx=3.2 mm, dy=3.2 mm, dz=1.4 mm; Graded Ratio: 1.4

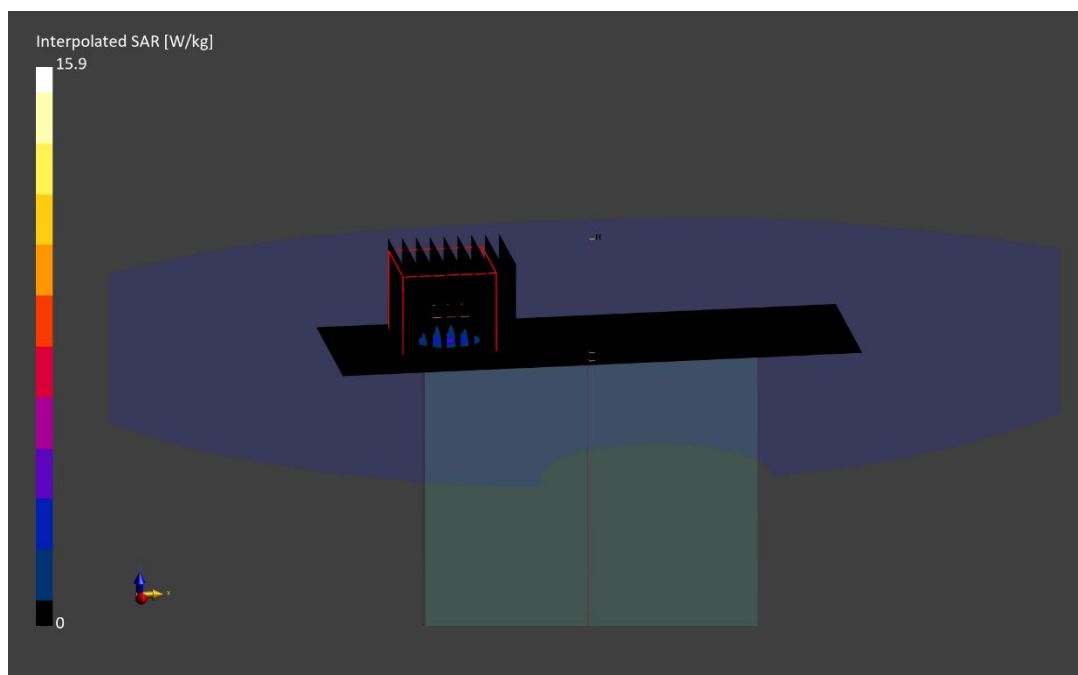
Reference Value = 1.63 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 16.0 W/kg

SAR(10 g) = 0.428 W/kg

Smallest distance from peaks to all points 3 dB below is 3.9 mm

Ratio of SAR at M2 to SAR at M1 = 55.5 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23619

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2480.0 MHz; cond = 1.83 S/m; perm = 38.9; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/19/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 2.4 GHz Bluetooth, Antenna E, Exp: Head| Right Cheek, Ch. 78, 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

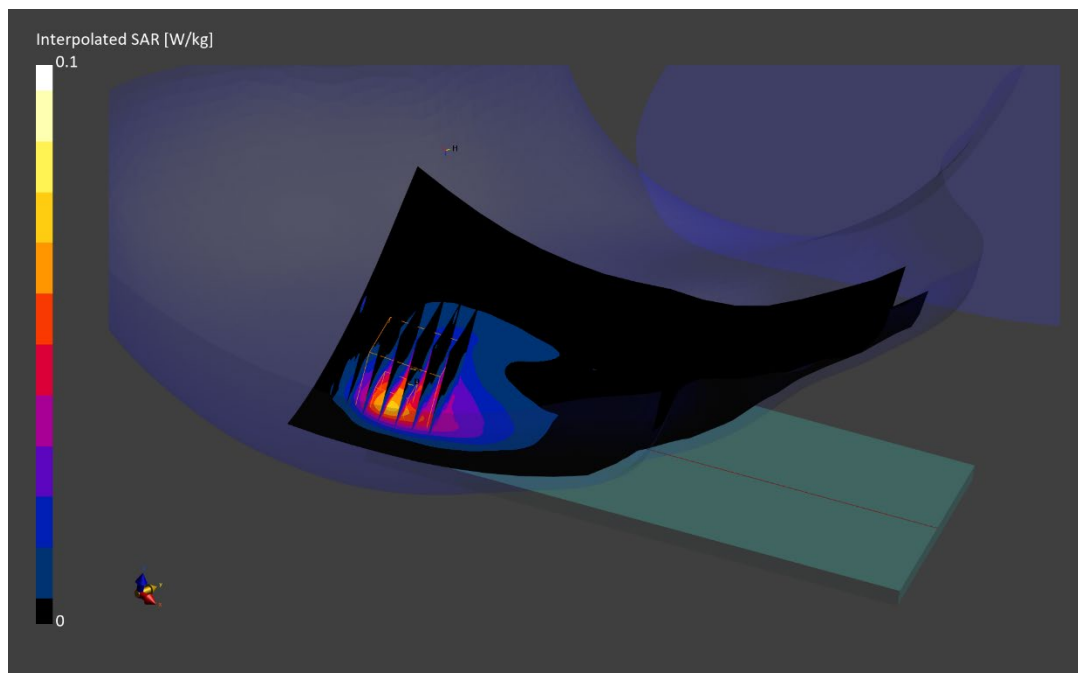
Reference Value = 0.06 W/kg; Power Drift = 0.02

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.055 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 = 79.4 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23619

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2480.0 MHz; cond = 1.83 S/m; perm = 38.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/19/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); Calibrated: 2023-06-15

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

Electronics: DAE4 Sn1334; Calibrated: 2023-06-15

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 2.4 GHz Bluetooth, Antenna E, Exp: Body-worn/Hotspot| Back Side, Ch. 78, 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

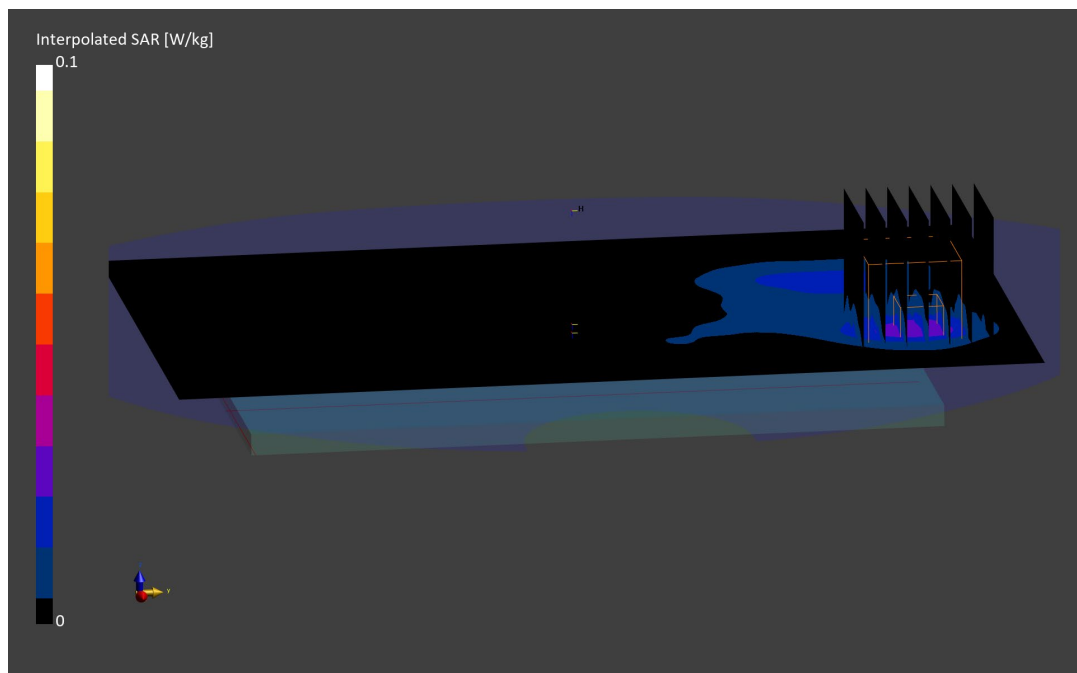
Reference Value = 0.03 W/kg; Power Drift = -0.18

Peak SAR (extrapolated) = 0.047 W/kg

SAR(1 g) = 0.022 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 = 79.3 %



ELEMENT

DUT: A3LSMA156M; Type: Portable Handset; Serial: 23619

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz

Medium: 30 Head; Medium parameters used:

f = 13.6 MHz; cond = 0.726 S/m; perm = 53.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/14/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.5°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 (20deg probe tilt); Serial: 2077

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NFC, Antenna NFC, Exp: Phablet| Back Side

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 = 0.05 W/kg; Power Drift = 0.10

Peak SAR (extrapolated) = 0.286 W/kg

SAR(10 g) = 0.019 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 = 47.5 %

