

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 835 Head; Medium parameters used:

$f = 836.6$ MHz; $\text{cond} = 0.913$ S/m; $\text{perm} = 42.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 10/24/2023; Ambient Temp: 21.1°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7491; ConvF:(9.72,9.72,9.72); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 850, Antenna A, Exp: Head| Right 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

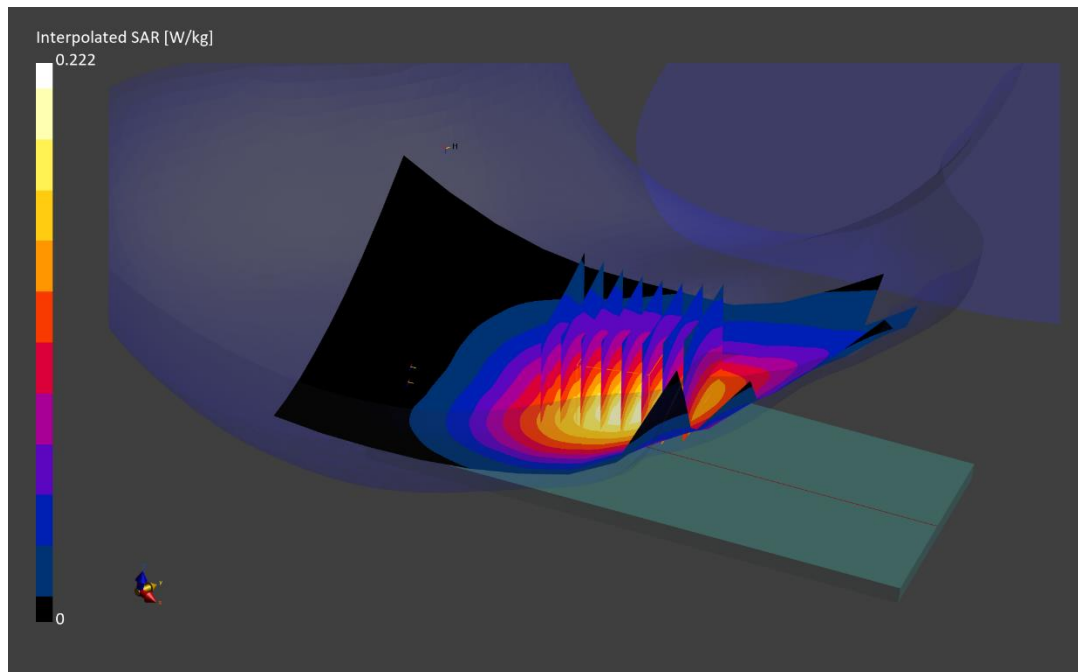
Reference Value = 0.17 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.185 W/kg;

Smallest distance from peaks to all points 3 dB below is 28.6 mm

Ratio of SAR at M2 to SAR at M1 = 96.2 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 835 Head; Medium parameters used:

f = 836.6 MHz; cond = 0.909 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/17/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7640; ConvF:(10.56,10.56,10.56); Calibrated: 2023-02-10

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 850, Antenna A, 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

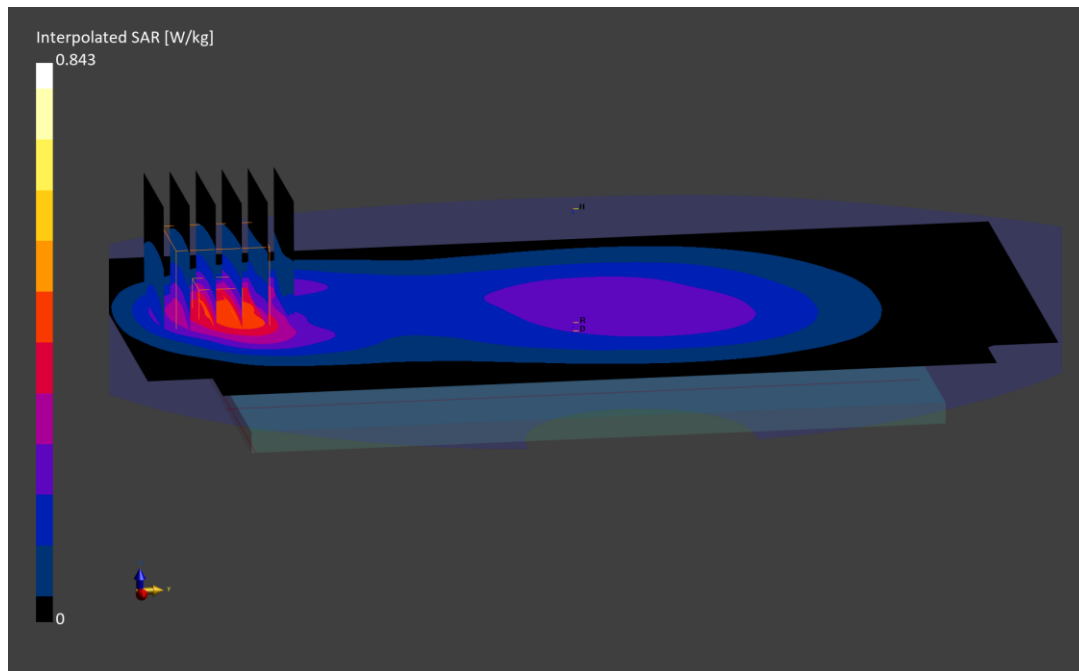
Reference Value = 0.33 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.843 W/kg

SAR(1 g) = 0.431 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 = 79.1 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 836.6 MHz

Medium: 835 Head; Medium parameters used:

f = 836.6 MHz; cond = 0.901 S/m; perm = 41.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/26/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7491; ConvF:(9.72,9.72,9.72); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GPRS 850, Antenna A, Exp: Hotspot| Back Side, Ch. Mid, 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

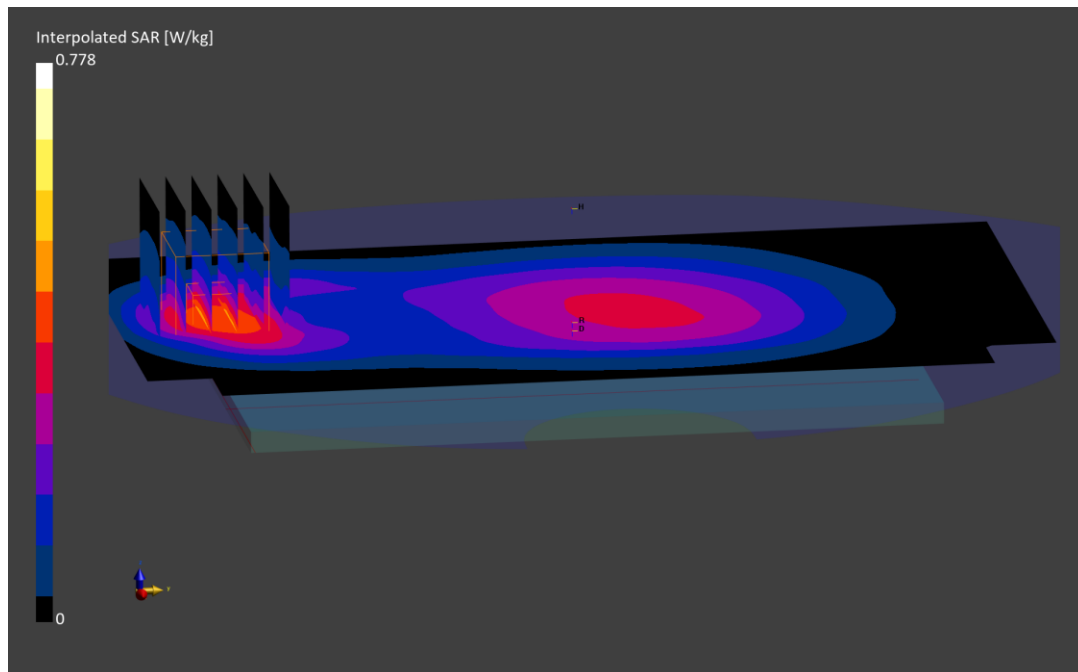
Reference Value = 0.38 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.430 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 = 83.3 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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

Medium: 1900 Head; Medium parameters used:

f = 1850.2 MHz; cond = 1.42 S/m; perm = 38.1; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/31/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); Calibrated: 2023-02-10

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 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

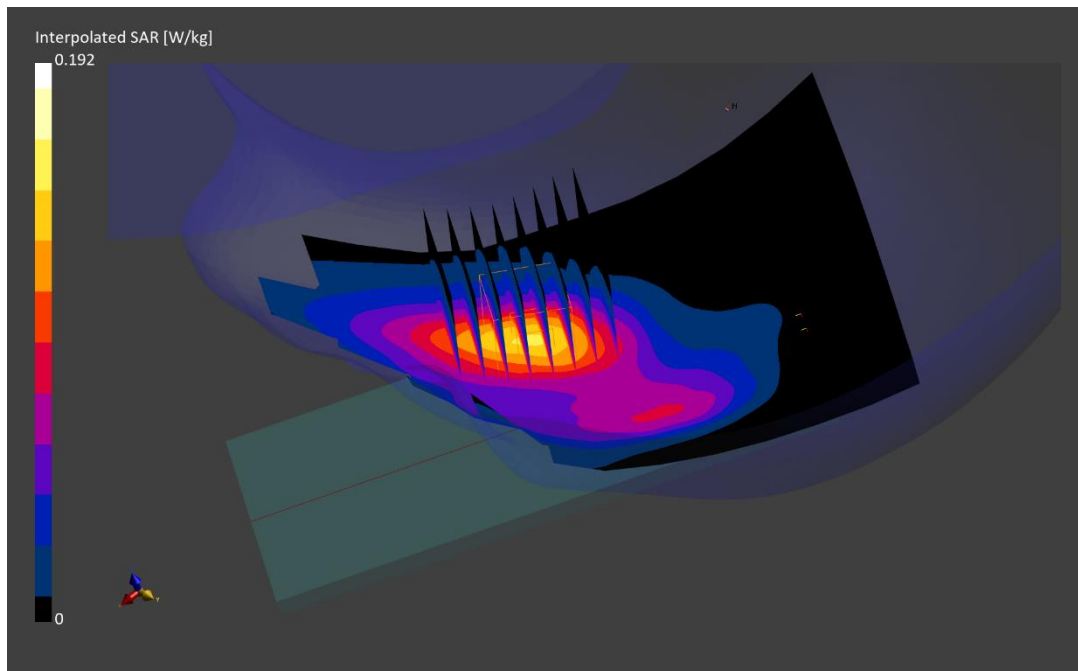
Reference Value = 0.11 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.125 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 = 88.9 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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

Medium: 1900 Head; Medium parameters used:

f = 1850.2 MHz; cond = 1.42 S/m; perm = 38.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/31/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); Calibrated: 2023-02-10

Sensor-Surface: 1.4mm (All points)

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: GSM 1900, Antenna B, Exp: Body-worn| 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

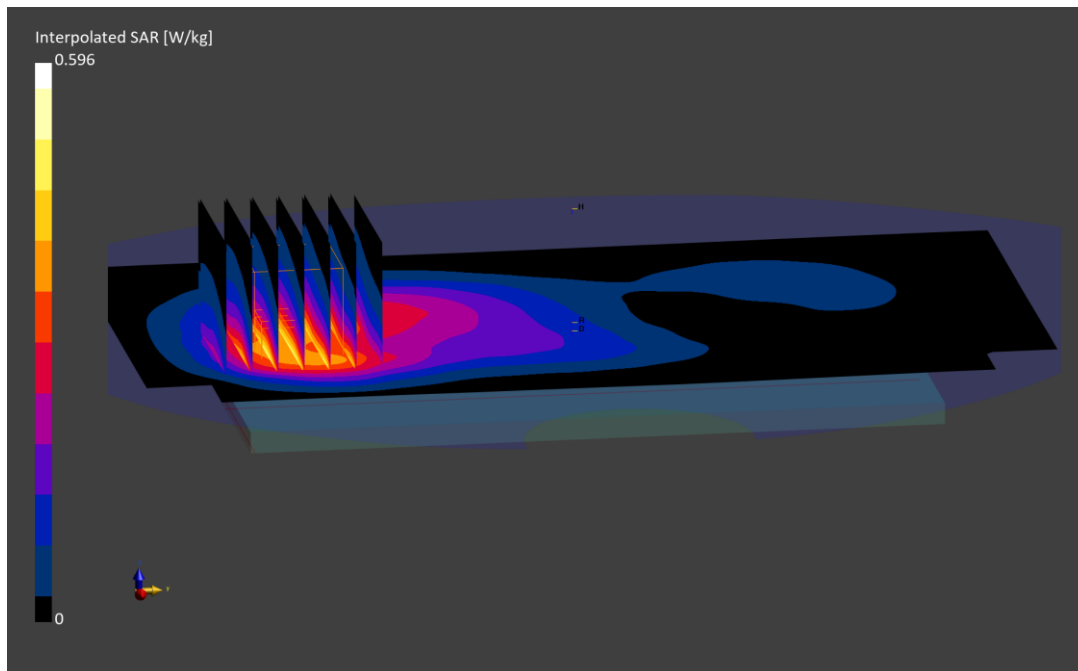
Reference Value = 0.26 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.332 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 = 81.3 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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

Medium: 1900 Head; Medium parameters used:

$f = 1850.2$ MHz; $\text{cond} = 1.42$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/31/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); Calibrated: 2023-02-10

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

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

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

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

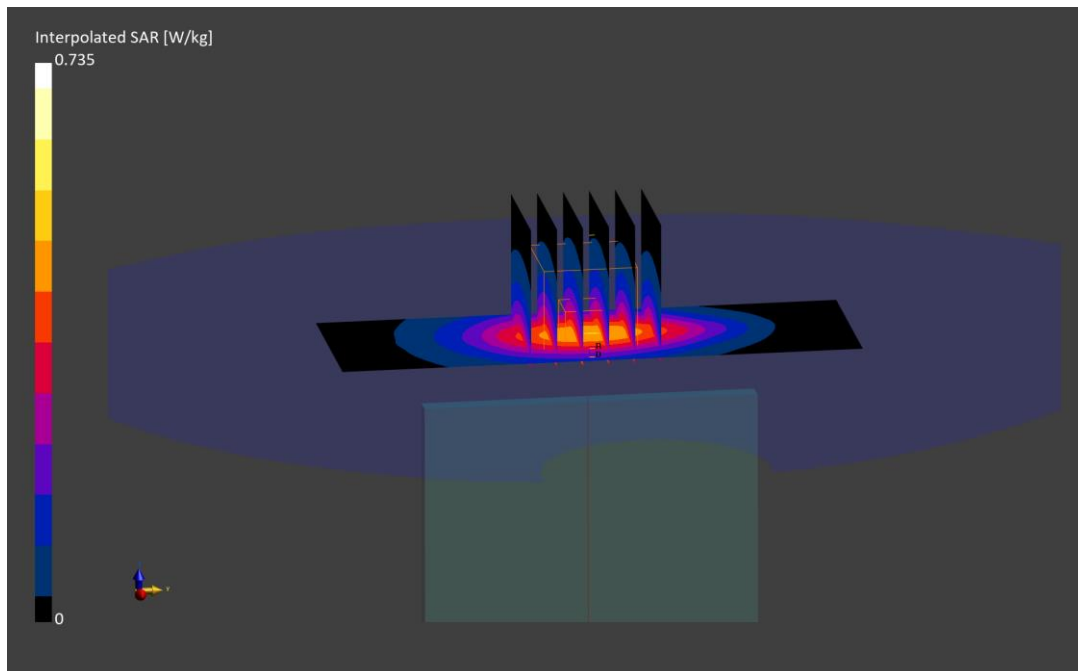
Reference Value = 0.33 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.416 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 = 82.2 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 835 Head; Medium parameters used:

$f = 836.6$ MHz; $\text{cond} = 0.913$ S/m; $\text{perm} = 42.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 10/24/2023; Ambient Temp: 21.1°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7491; ConvF:(9.72,9.72,9.72); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 850, Antenna A, Exp: Head| Right 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

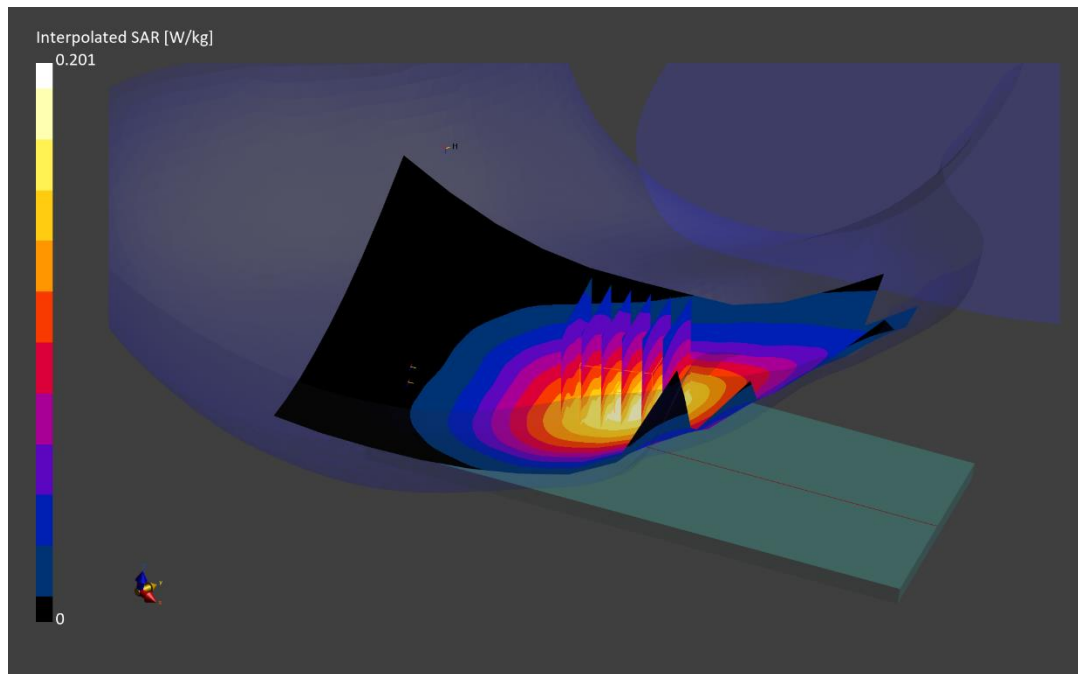
Reference Value = 0.15 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.164 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 = 94.5 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 835 Head; Medium parameters used:

$f = 836.6$ MHz; $\text{cond} = 0.901$ S/m; $\text{perm} = 41.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/26/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7491; ConvF:(9.72,9.72,9.72); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

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

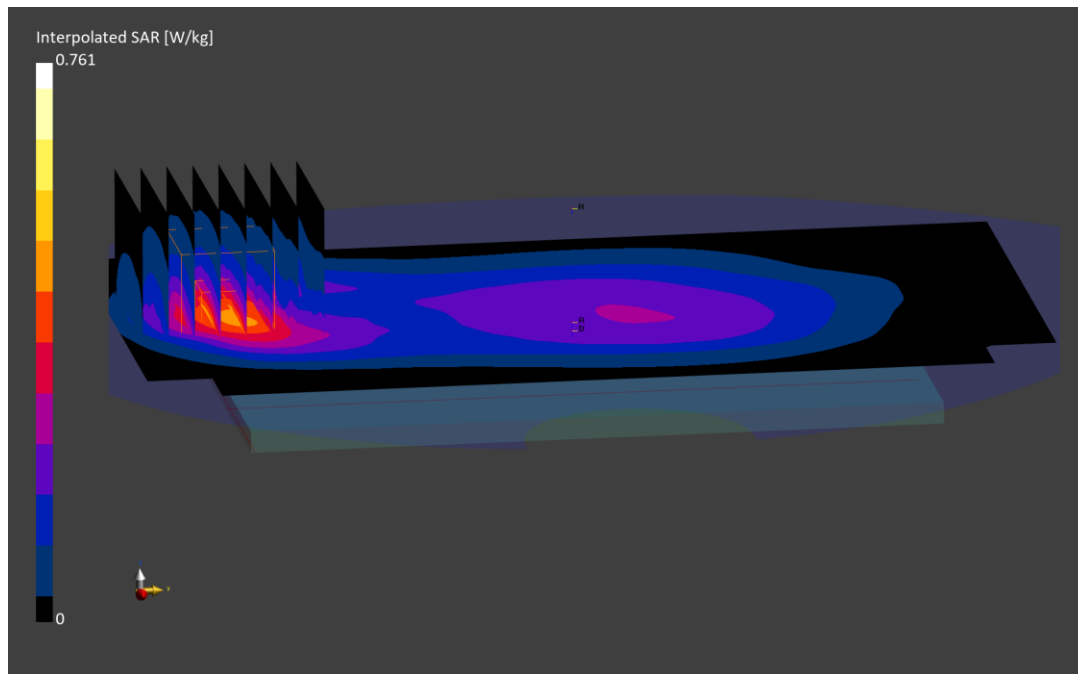
Reference Value = 0.38 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.426 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 = 83.2 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.33 S/m; perm = 40.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/30/2023; Ambient Temp: 20.1°C; Tissue Temp: 21.2°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: UMTS 1750, Antenna A, 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

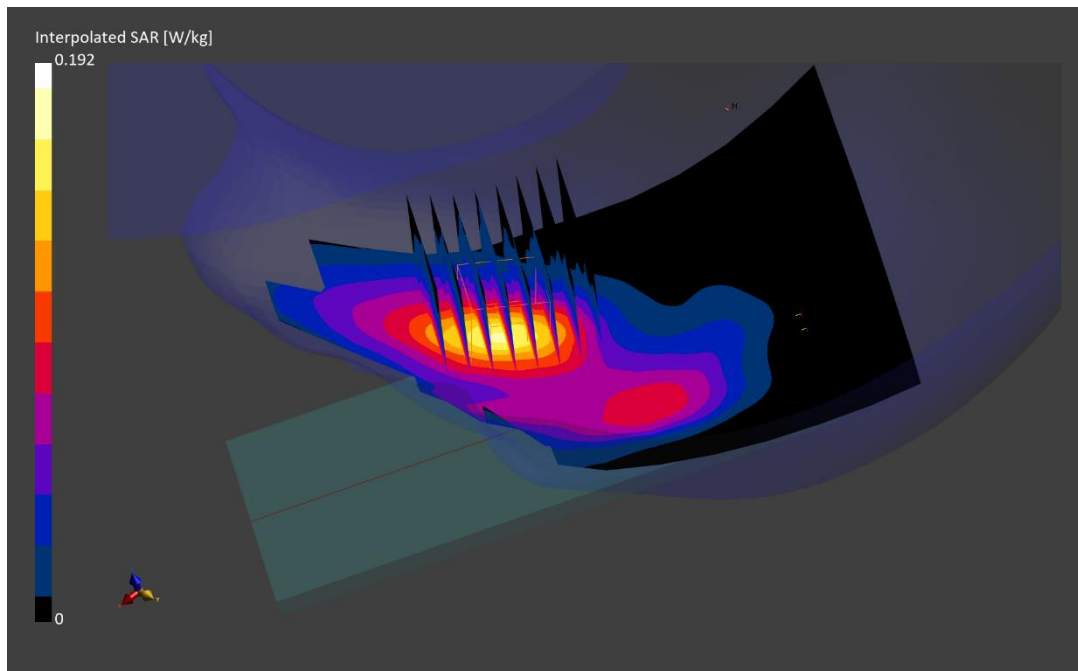
Reference Value = 0.12 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.132 W/kg;

Smallest distance from peaks to all points 3 dB below is 12.3 mm

Ratio of SAR at M2 to SAR at M1 = 89.8 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.35 S/m; perm = 39.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/09/2023; Ambient Temp: 22.8°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7491; ConvF:(8.69,8.69,8.69); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1750, Antenna B, Exp: Body-worn| 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

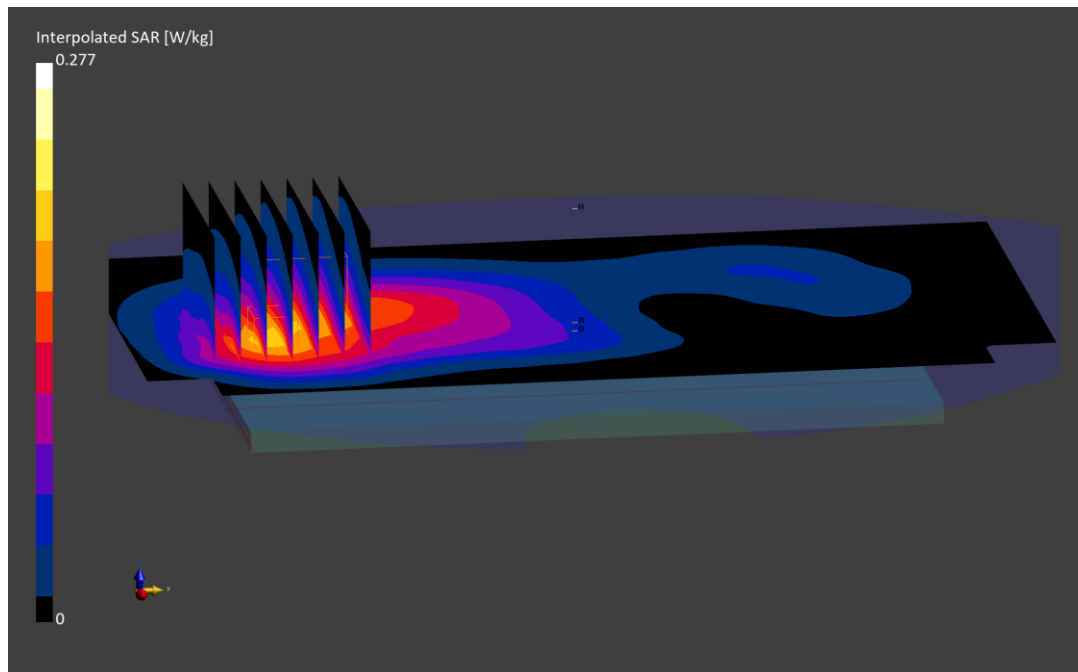
Reference Value = 0.15 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.166 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 = 83.2 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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

Medium: 1750 Head; Medium parameters used:

f = 1712.4 MHz; cond = 1.35 S/m; perm = 39.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/09/2023; Ambient Temp: 22.8°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7491; ConvF:(8.69,8.69,8.69); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

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

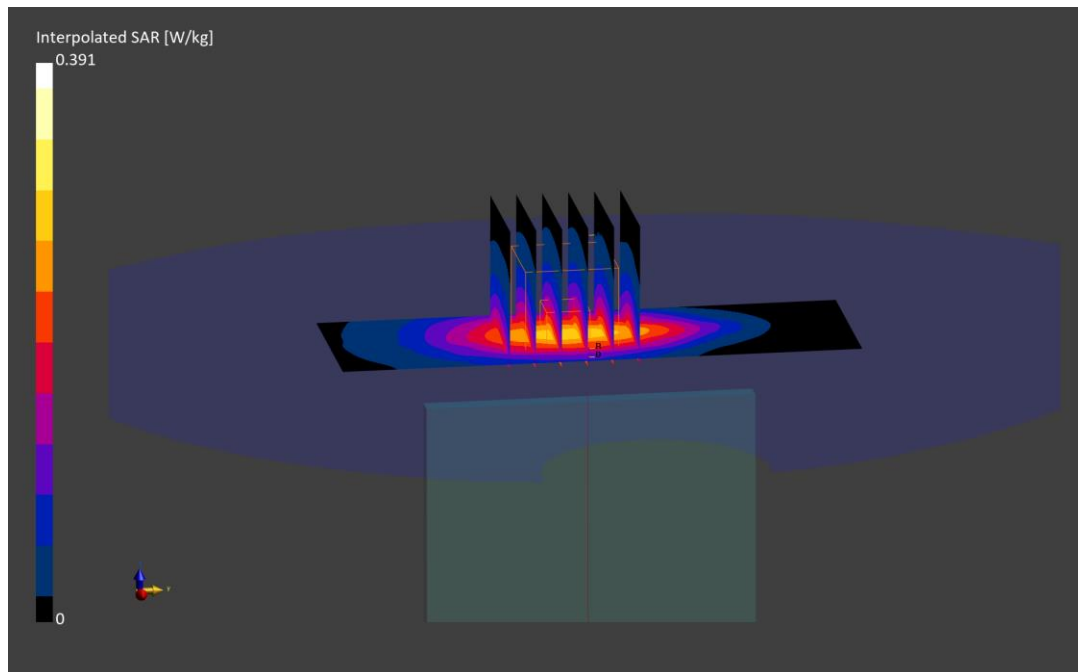
Reference Value = 0.21 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.234 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 = 84.5 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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

Medium: 1900 Head; Medium parameters used:

f = 1880.0 MHz; cond = 1.44 S/m; perm = 39.4; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 11/02/2023; Ambient Temp: 20.0°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); Calibrated: 2023-02-10

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 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

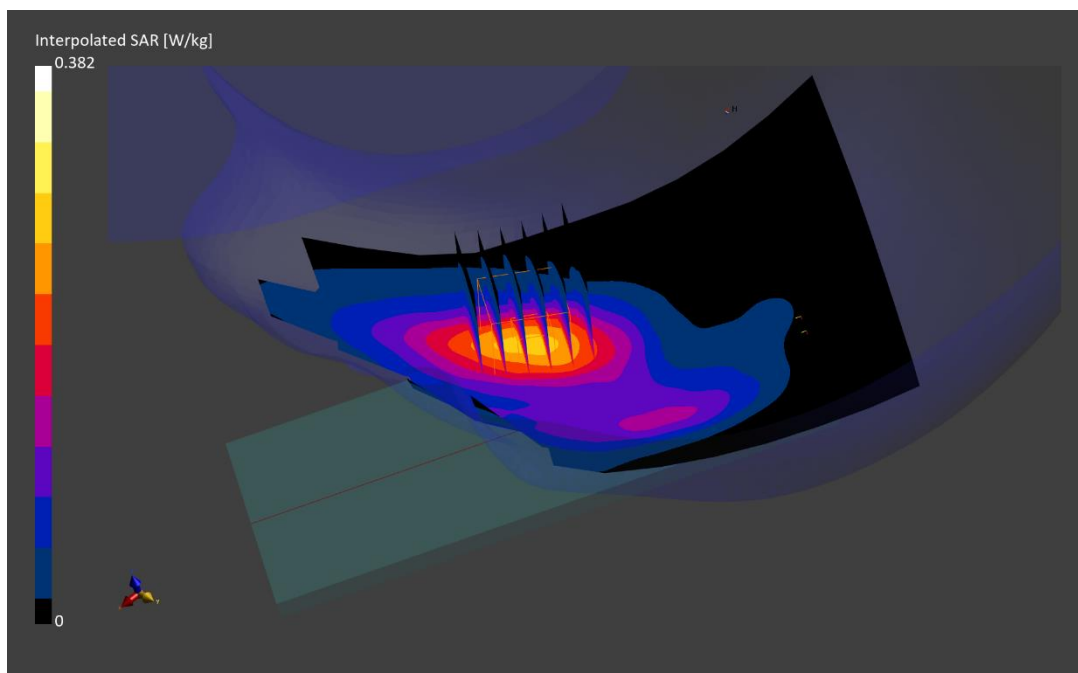
Reference Value = 0.22 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.240 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 = 87.0 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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

Medium: 1900 Head; Medium parameters used:

f = 1880.0 MHz; cond = 1.44 S/m; perm = 38.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/31/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); Calibrated: 2023-02-10

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 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

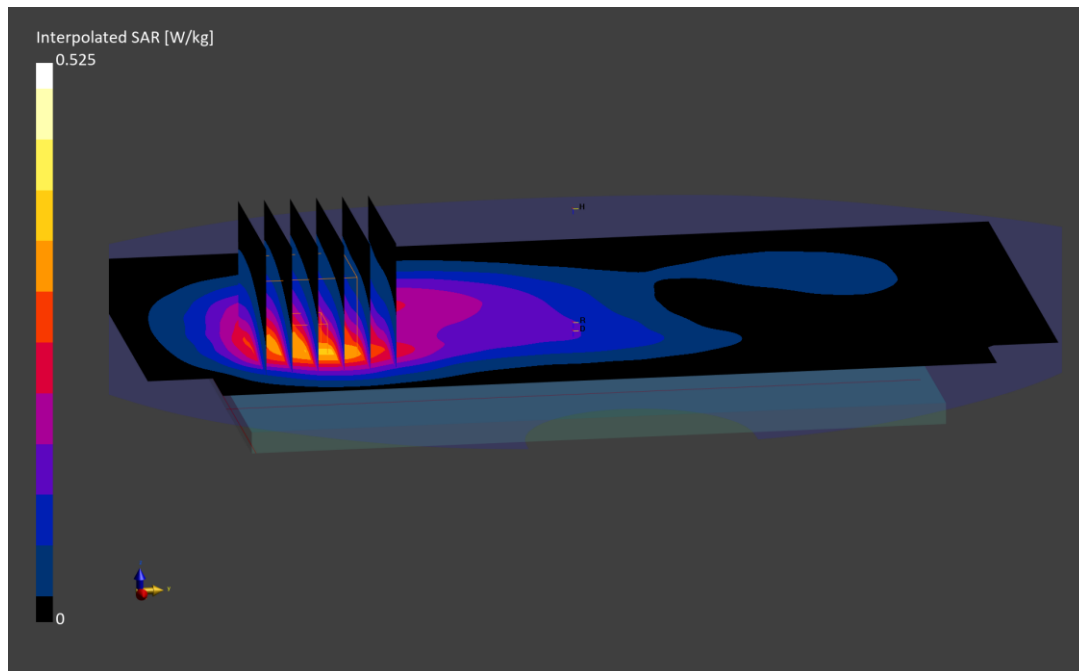
Reference Value = 0.23 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.292 W/kg;

Smallest distance from peaks to all points 3 dB below is 15.4 mm

Ratio of SAR at M2 to SAR at M1 = 82.1 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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

Medium: 1900 Head; Medium parameters used:

f = 1880.0 MHz; cond = 1.44 S/m; perm = 38.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/31/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); Calibrated: 2023-02-10

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: UMTS 1900, Antenna B, Exp: Hotspot| Bottom Edge, Ch. Mid

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

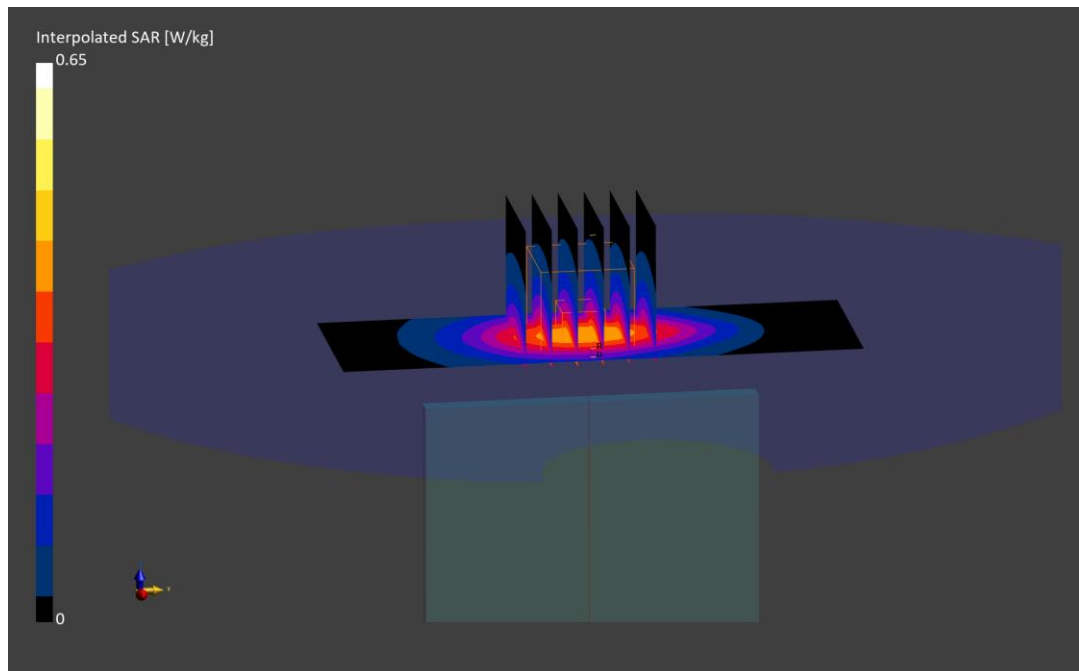
Reference Value = 0.30 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.369 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 = 82.3 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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

Medium: 750 Head; Medium parameters used:

f = 707.5 MHz; cond = 0.870 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/19/2023; Ambient Temp: 20.4°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7640; ConvF:(10.91,10.91,10.91); Calibrated: 2023-02-10

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

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

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

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, 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

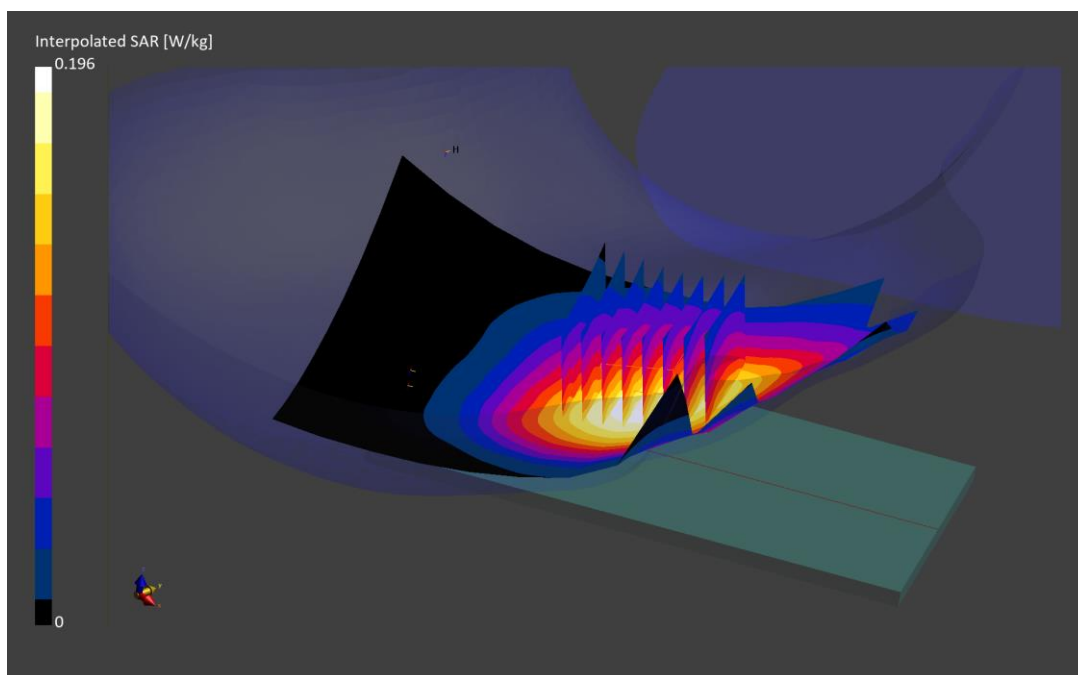
Reference Value = 0.15 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.161 W/kg

Smallest distance from peaks to all points 3 dB below is 26.7 mm

Ratio of SAR at M2 to SAR at M1 = 95.5 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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

Medium: 750 Head; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.904$ S/m; $\text{perm} = 41.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/23/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7640; ConvF:(10.91,10.91,10.91); Calibrated: 2023-02-10

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 12, Antenna A, Exp: Body-worn/Hotspot| Back Side, 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

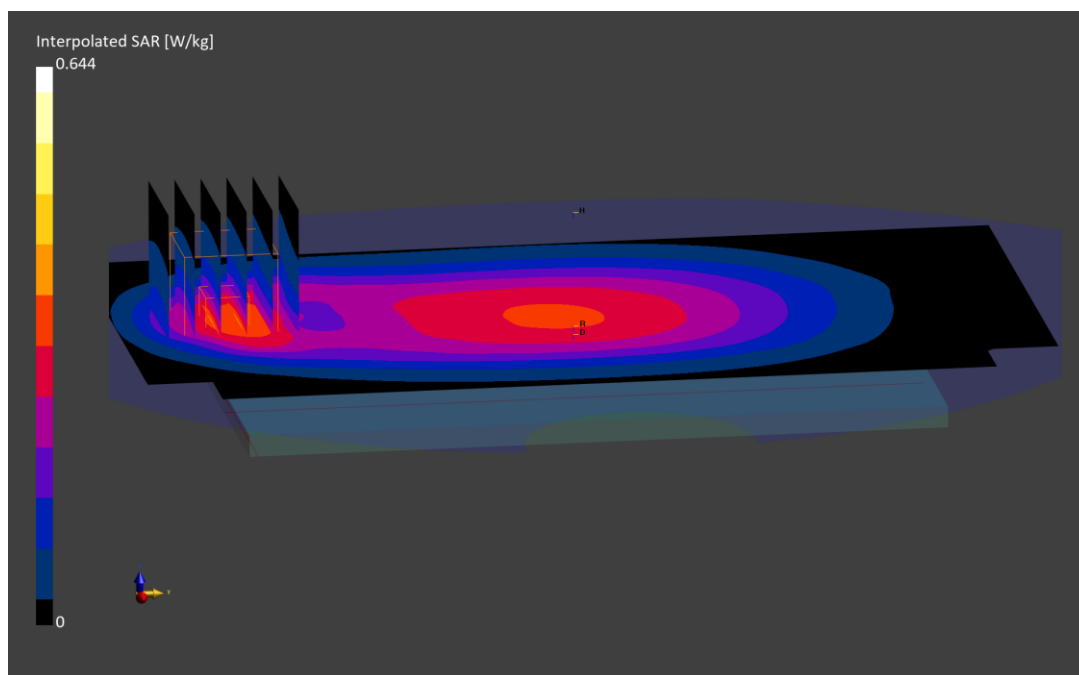
Reference Value = 0.26 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.338 W/kg;

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

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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

Medium: 835 Head; Medium parameters used:

$f = 831.5$ MHz; $\text{cond} = 0.917$ S/m; $\text{perm} = 40.1$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/30/2023; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7565; ConvF:(9.16,9.16,9.16); Calibrated: 2023-01-12

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

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

Phantom: Twin-SAM V8.0 ; Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 26, Antenna A, Exp: Head| Right Cheek, Ch. Mid,
15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset**

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

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

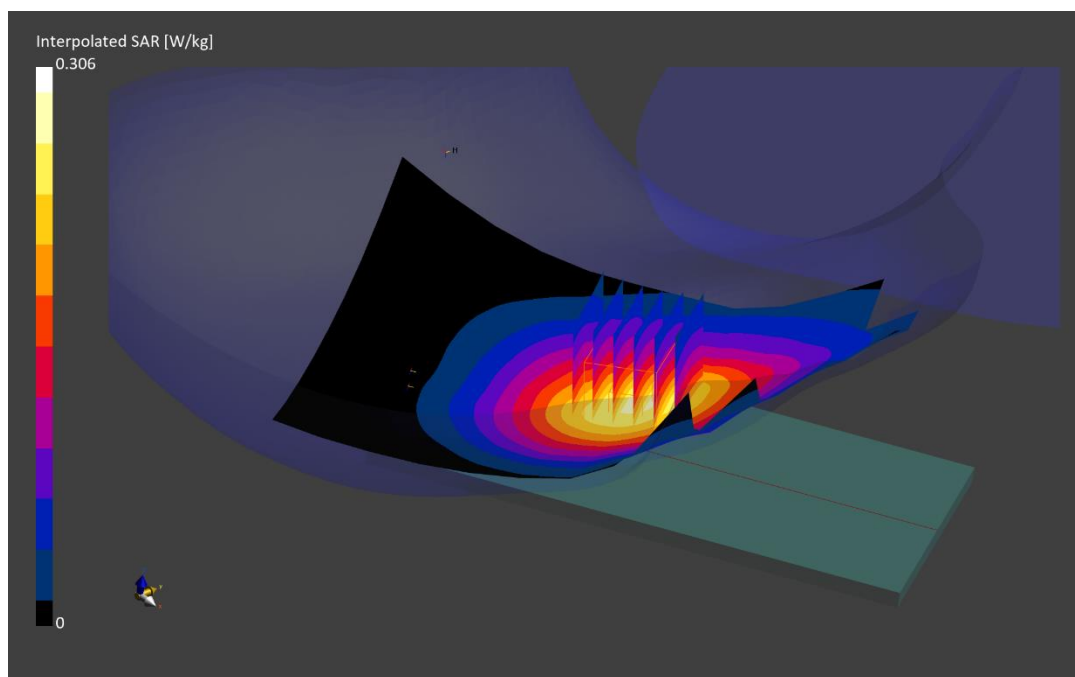
Reference Value = 0.22 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.240 W/kg;

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

Ratio of SAR at M2 to SAR at M1 = 92.2 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00226

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

Medium: 835 Head; Medium parameters used:

f = 831.5 MHz; cond = 0.904 S/m; perm = 40.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/19/2023; Ambient Temp:21.0°C; Tissue Temp: 22.7°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: LTE Band 26, Antenna A, Exp: Body-worn/Hotspot| Back Side, Ch. Mid,
15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset**

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

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

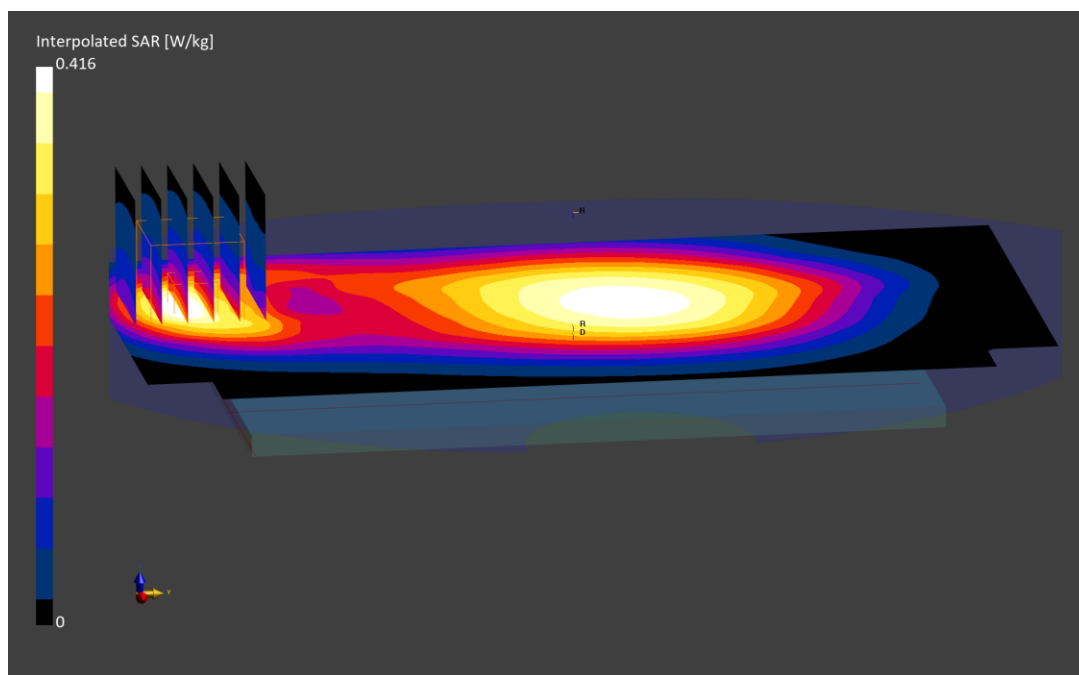
Reference Value = 0.27 W/kg; Power Drift = -0.06

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.250 W/kg;

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

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00226

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

Medium: 835 Head; Medium parameters used:

f = 831.5 MHz; cond = 0.904 S/m; perm = 40.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/19/2023; Ambient Temp:21.0°C; Tissue Temp: 22.7°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: LTE Band 26, Antenna A, Exp: Hotspot| Bottom Edge, Ch. Mid,
15 MHz Bandwidth, QPSK, 1 RB, 36 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

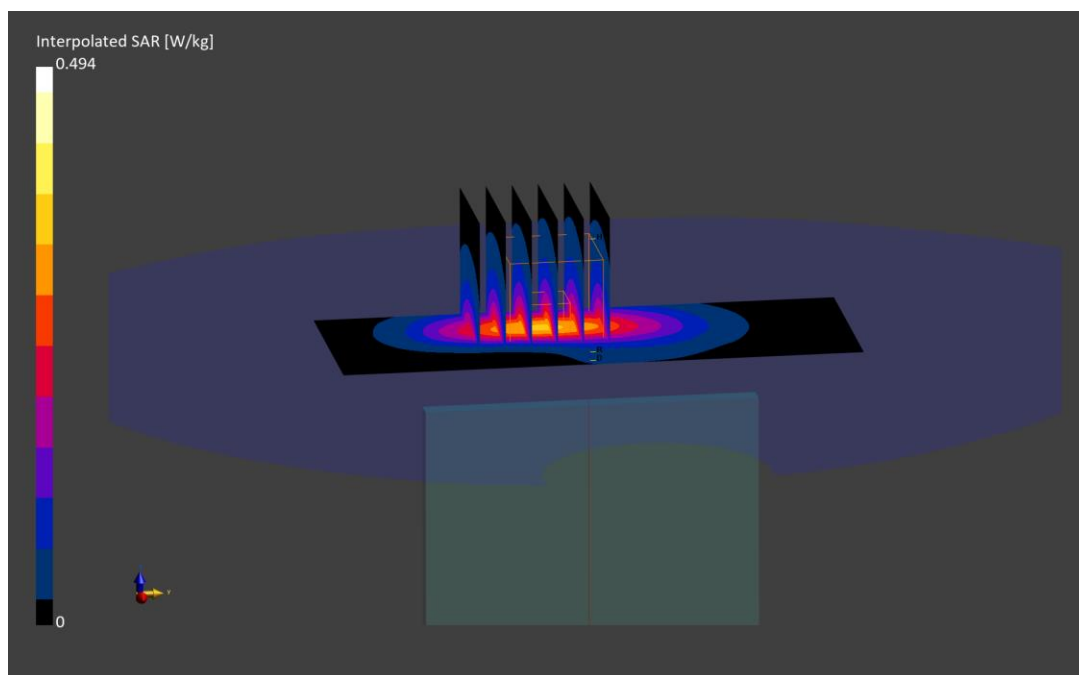
Reference Value = 0.33 W/kg; Power Drift = -0.10

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.280 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 = 83.2 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 1750 Head; Medium parameters used:

f = 1720.0 MHz; cond = 1.34 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 10/31/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7491; ConvF:(8.69,8.69,8.69); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

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, 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

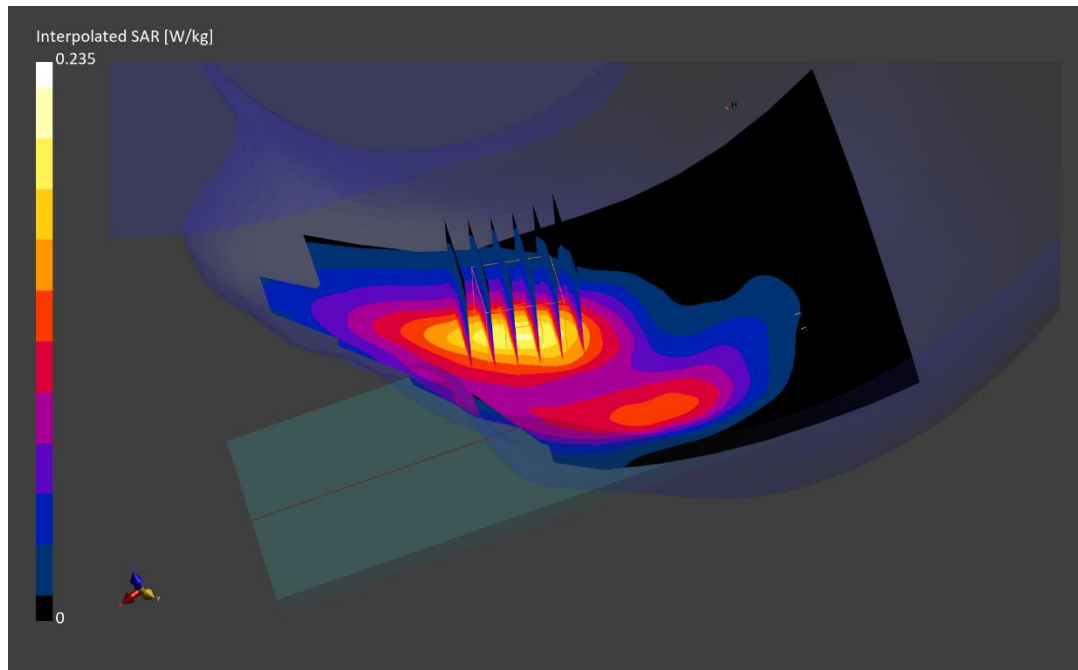
Reference Value = 0.14 W/kg; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.156 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 = 88.5 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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 = 40.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/30/2023; Ambient Temp: 20.1°C; Tissue Temp: 21.2°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, 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

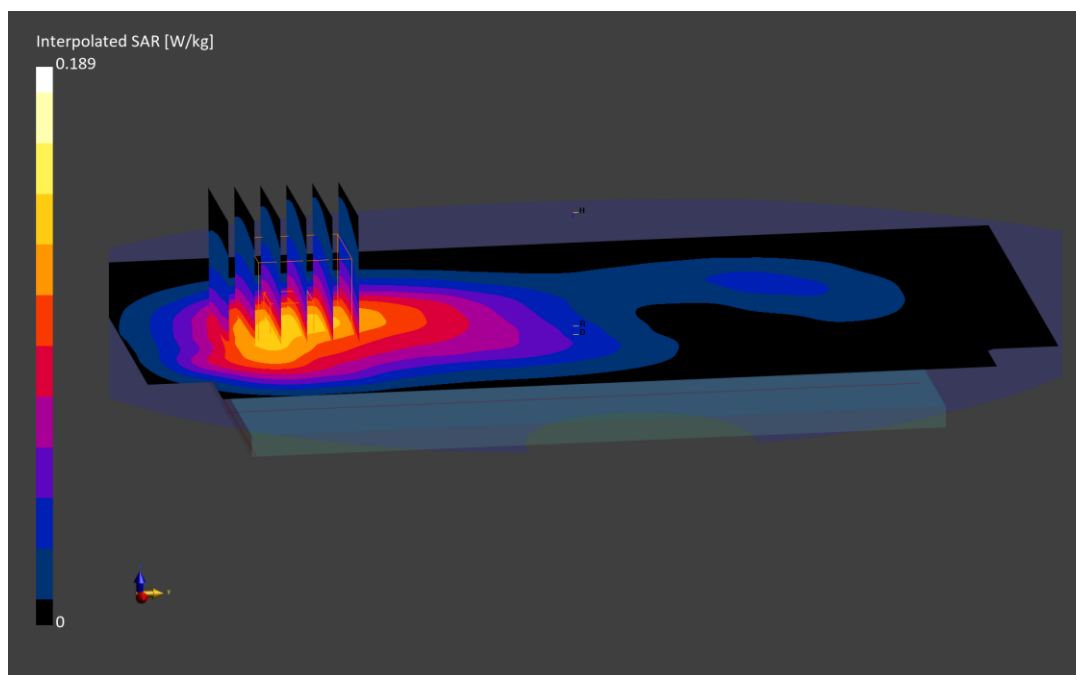
Reference Value = 0.12 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.122 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 = 86.0 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00911

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 = 40.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/30/2023; Ambient Temp: 20.1°C; Tissue Temp: 21.2°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

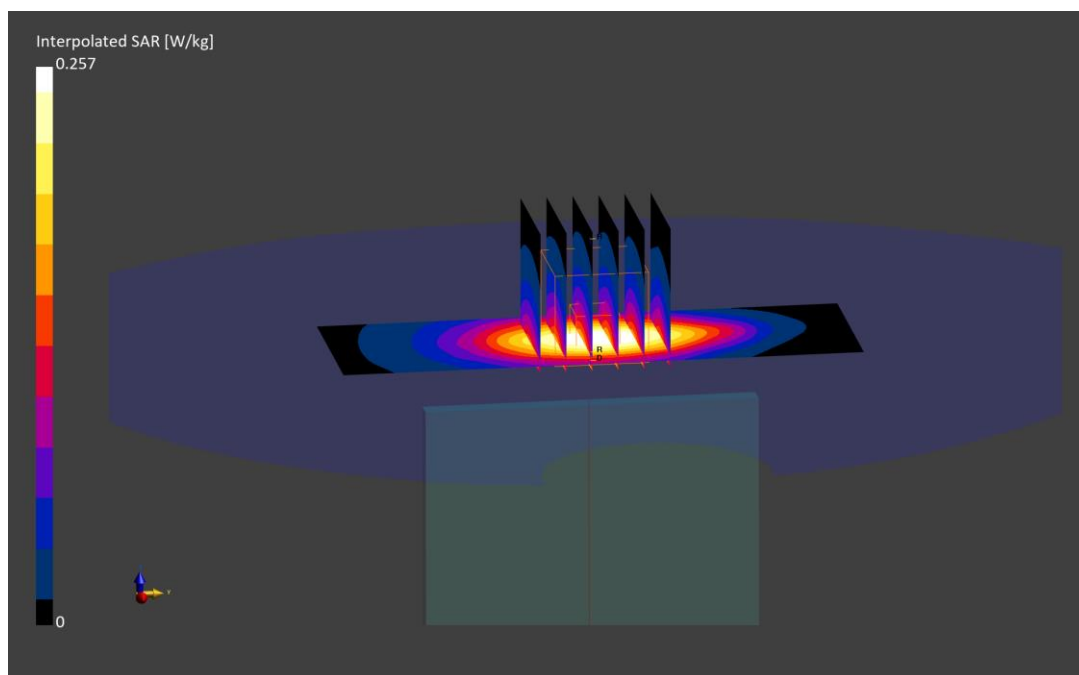
Reference Value = 0.15 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.153 W/kg;

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

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 1900 Head; Medium parameters used:

$f = 1860.0$ MHz; $\text{cond} = 1.42$ S/m; $\text{perm} = 39.8$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/31/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7491; ConvF:(8.27,8.27,8.27); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 2, Antenna C, Exp: Head| Right 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

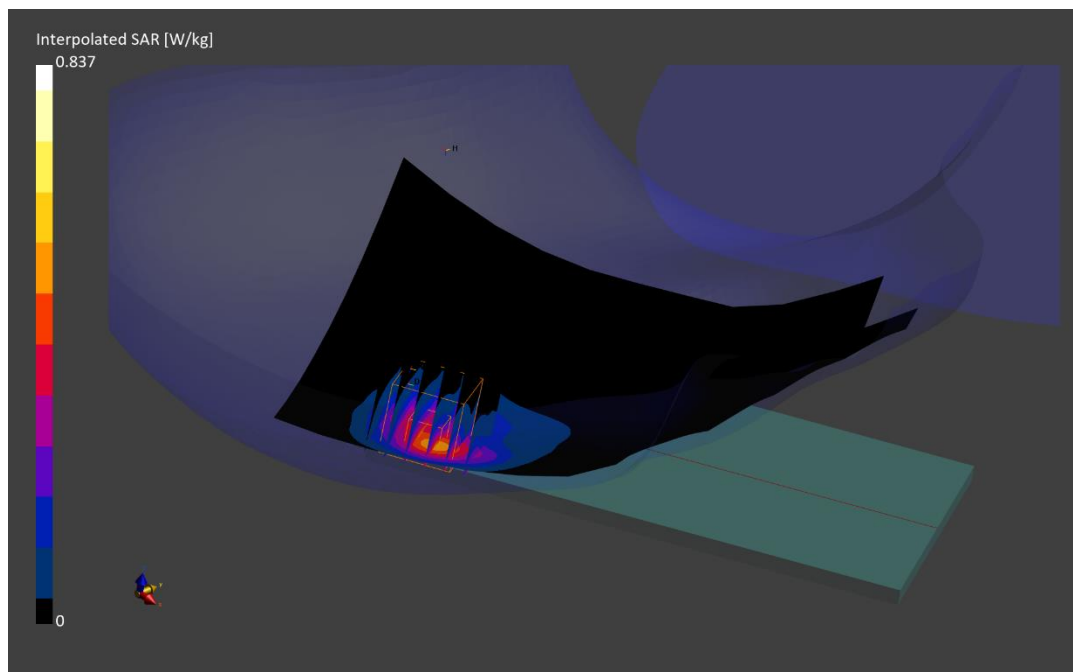
Reference Value = 0.35 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.837 W/kg

SAR(1 g) = 0.411 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 = 79.4 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 1900 Head; Medium parameters used:

$f = 1860.0$ MHz; $\text{cond} = 1.41$ S/m; $\text{perm} = 39.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/02/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7491; ConvF:(8.27,8.27,8.27); Calibrated: 2023-06-08

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

Electronics: DAE4 Sn1532; Calibrated: 2023-06-15

Phantom: Twin-SAM V5.0 ; Serial: 1797

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, 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: $dx=5.6$ mm, $dy=5.6$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

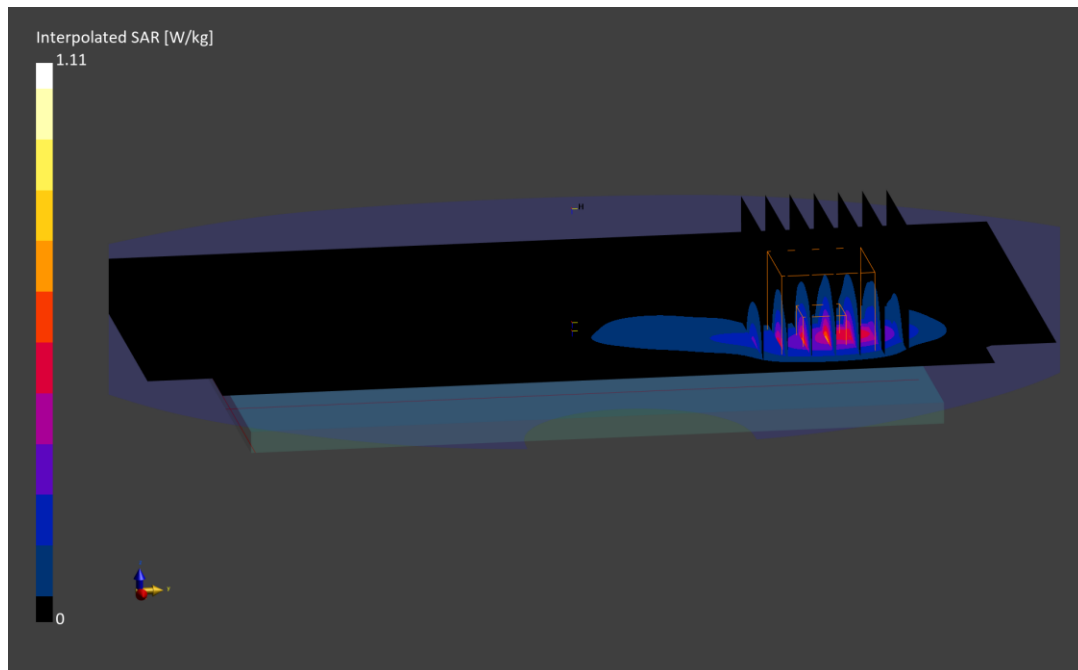
Reference Value = 0.38 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.517 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 = 83.6 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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

Medium: 2450 Head; Medium parameters used:

f = 2593.0 MHz; cond = 1.95 S/m; perm = 38.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/24/2023; Ambient Temp: 20.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.42,8.42,8.42); Calibrated: 2023-02-10

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

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

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

Measurement SW: DASY Module SAR V16.2.0.1425

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

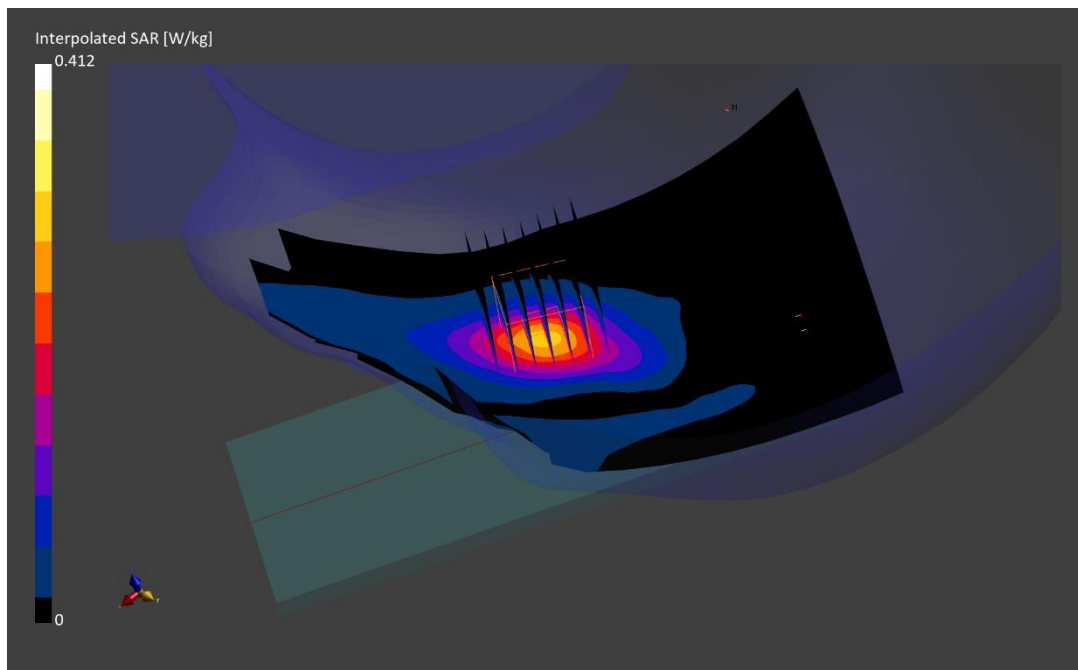
Reference Value = 0.21 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.232 W/kg;

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

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00101

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

Medium: 2450 Head; Medium parameters used:

$f = 2680.0$ MHz; $\text{cond} = 2.00$ S/m; $\text{perm} = 37.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/23/2023; Ambient Temp: 20.0°C; Tissue Temp: 21.3°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 V8.0 ; Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: LTE Band 41, Antenna B, Exp: Body-worn/Hotspot| Back Side, Ch. High,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

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

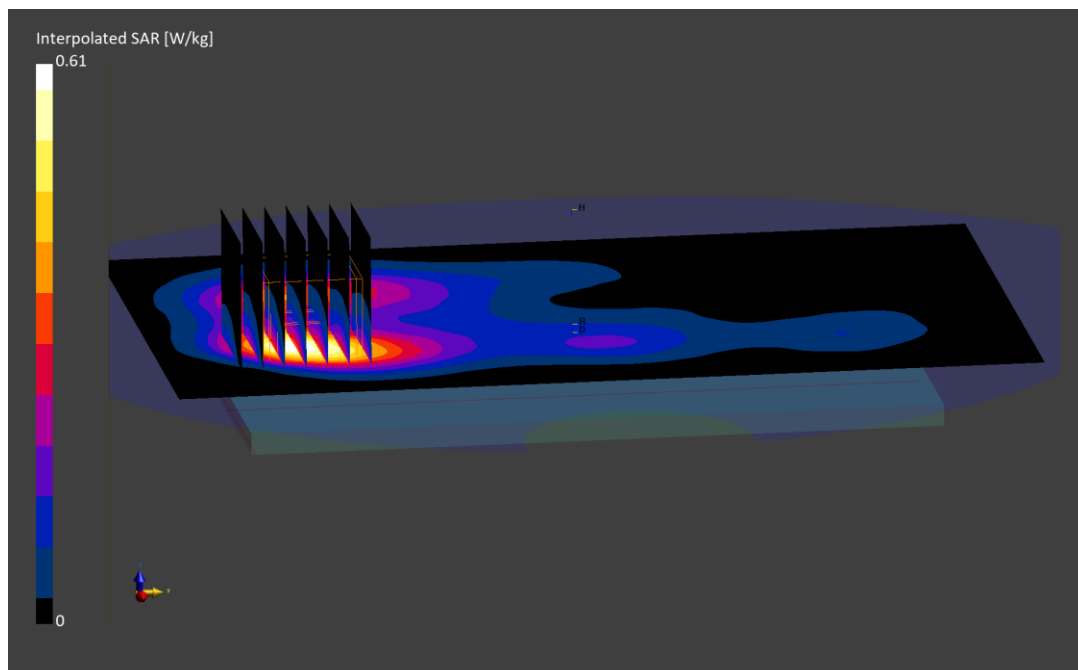
Reference Value = 0.24 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.292 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 = 77.8 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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 = 0.937 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/01/2023; Ambient Temp: 22.7°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7565; ConvF:(9.16,9.16,9.16); Calibrated: 2023-01-12

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

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

Phantom: Twin-SAM V8.0 ; Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n5, Antenna A, Exp: Head| Right 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

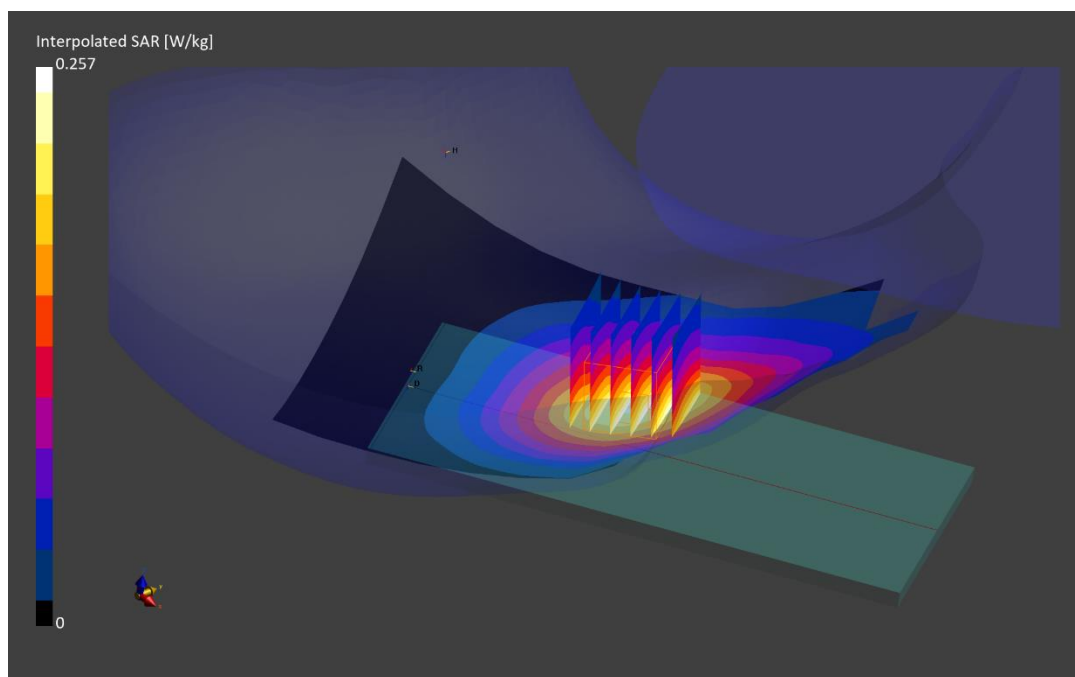
Reference Value = 0.19 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.198 W/kg;

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

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00127

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

Medium: 835 Head; Medium parameters used:

f = 836.5 MHz; cond = 0.937 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/01/2023; Ambient Temp: 22.7°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7565; ConvF:(9.16,9.16,9.16); Calibrated: 2023-01-12

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

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

Phantom: Twin-SAM V8.0 ; Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n5, Antenna A, Exp: Body-worn/Hotspot| Back Side, Ch. 167300,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 53 RB Offset**

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

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

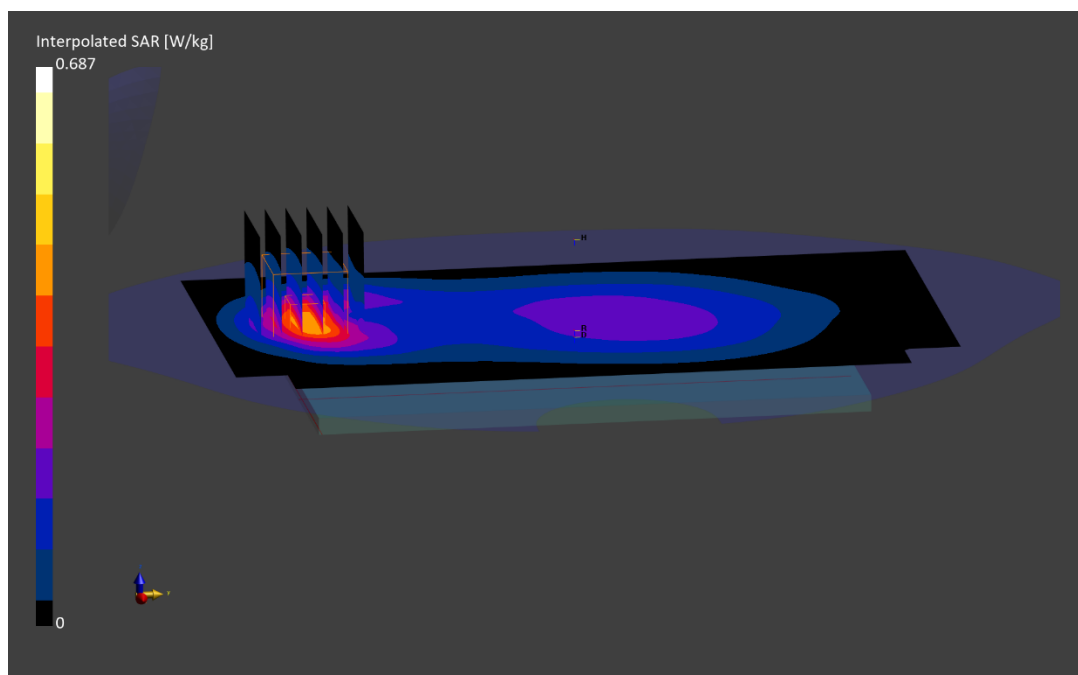
Reference Value = 0.32 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.687 W/kg

SAR(1 g) = 0.370 W/kg;

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

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00698

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 = 1.36 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 10/18/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); 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 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 (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

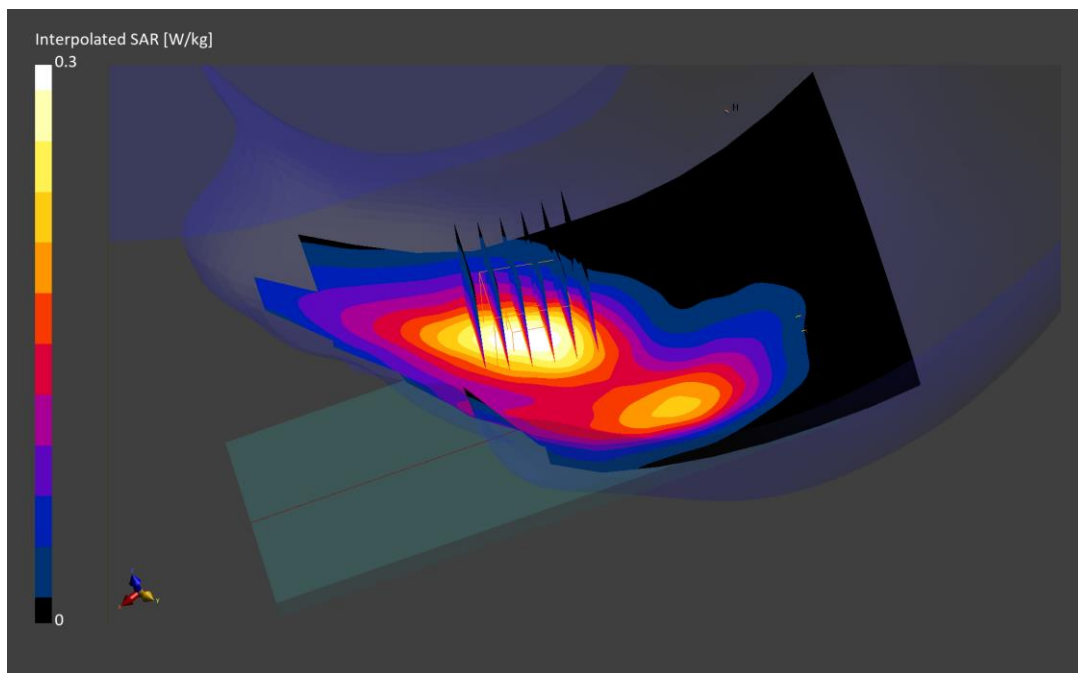
Reference Value = 0.22 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.202 W/kg

Smallest distance from peaks to all points 3 dB below is 12.3 mm

Ratio of SAR at M2 to SAR at M1 = 89.6 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00697

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

Medium: 1750 Head; Medium parameters used:

f = 1745.0 MHz; cond = 1.36 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/18/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); 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 B, Exp: Body-worn/Hotspot| Back Side, Ch. 349000,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 108 RB Offset**

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

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

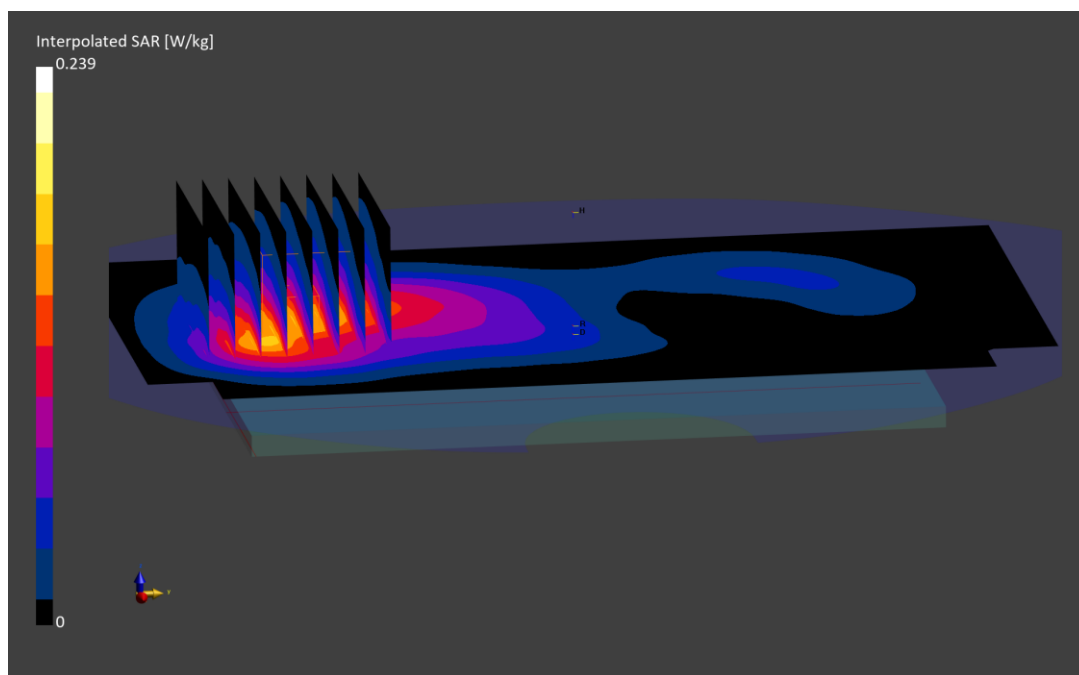
Reference Value = 0.16 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.145 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 82.6 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00697

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 = 1.36 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/18/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); 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 B, Exp: Hotspot| Bottom Edge, Ch. 349000,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 54 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

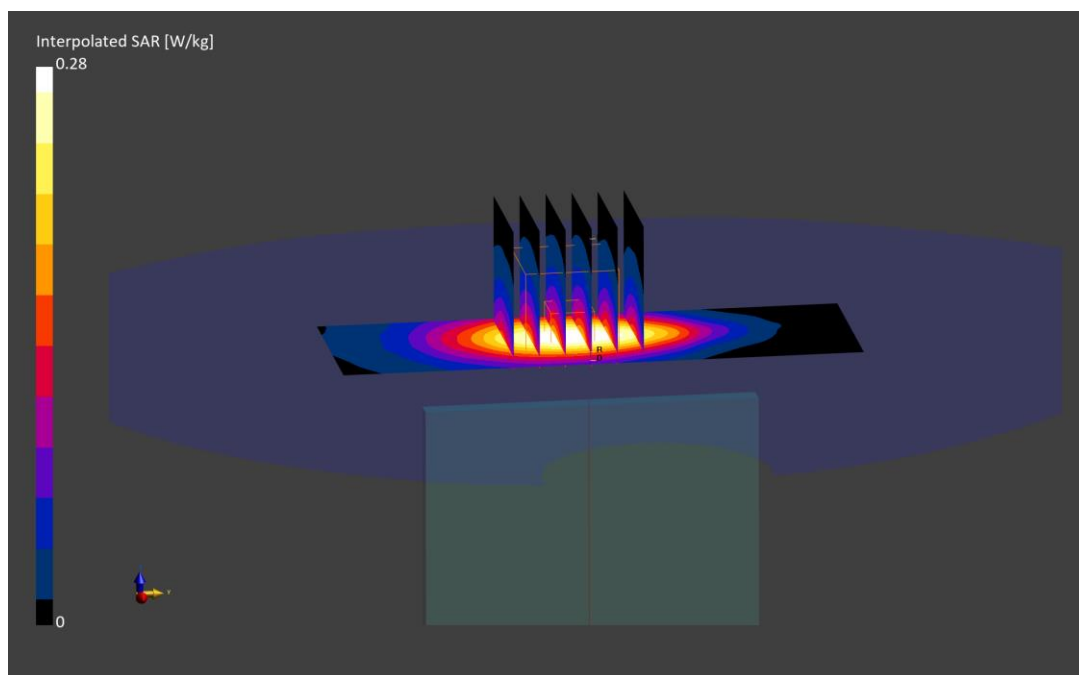
Reference Value = 0.19 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.168 W/kgw

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

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00268

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

Medium: 2450 Head; Medium parameters used:

f = 2437.0 MHz; cond = 1.78 S/m; perm = 37.9; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/08/2023; Ambient Temp: 24.0°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.26,8.26,8.26); 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: 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

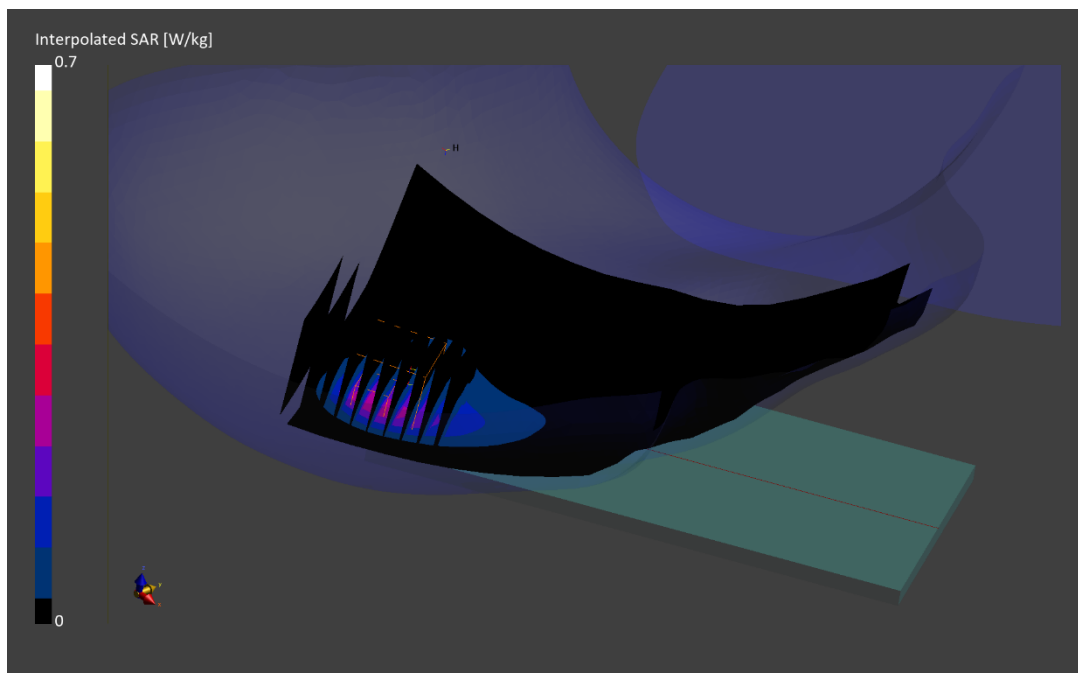
Reference Value = 0.23 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.222 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 = 75.6 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 01513

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

Medium: 2450 Head; Medium parameters used:

f = 2437.0 MHz; cond = 1.78 S/m; perm = 37.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/08/2023; Ambient Temp: 24.0°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.26,8.26,8.26); 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: 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

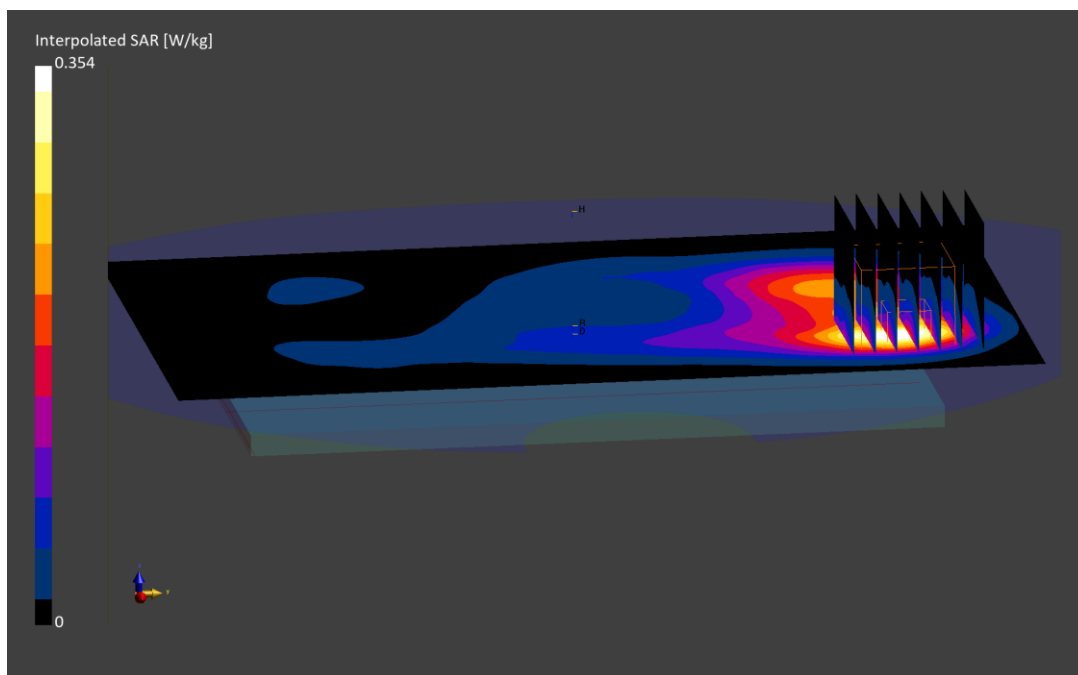
Reference Value = 0.19 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.156 W/kg

Smallest distance from peaks to all points 3 dB below is 10.1 mm

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00671

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: LeftHead; 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| Left 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

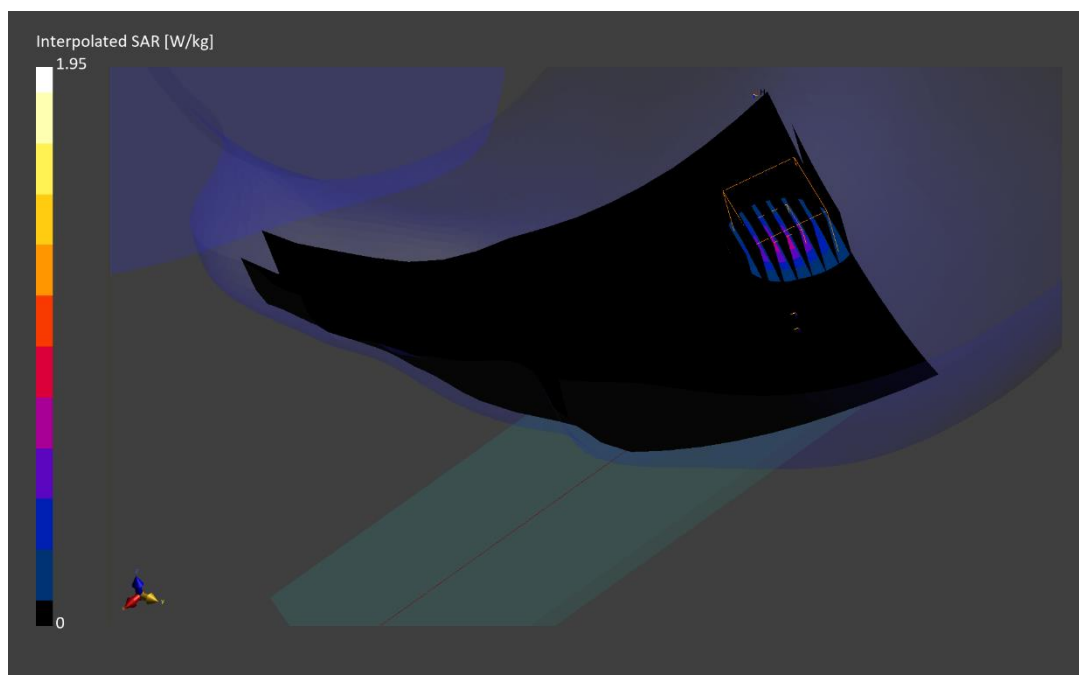
Reference Value = 0.33 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.519 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 = 60.6 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00268

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: Flat; Space: 10.00 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: Body-worn | Back Side, 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

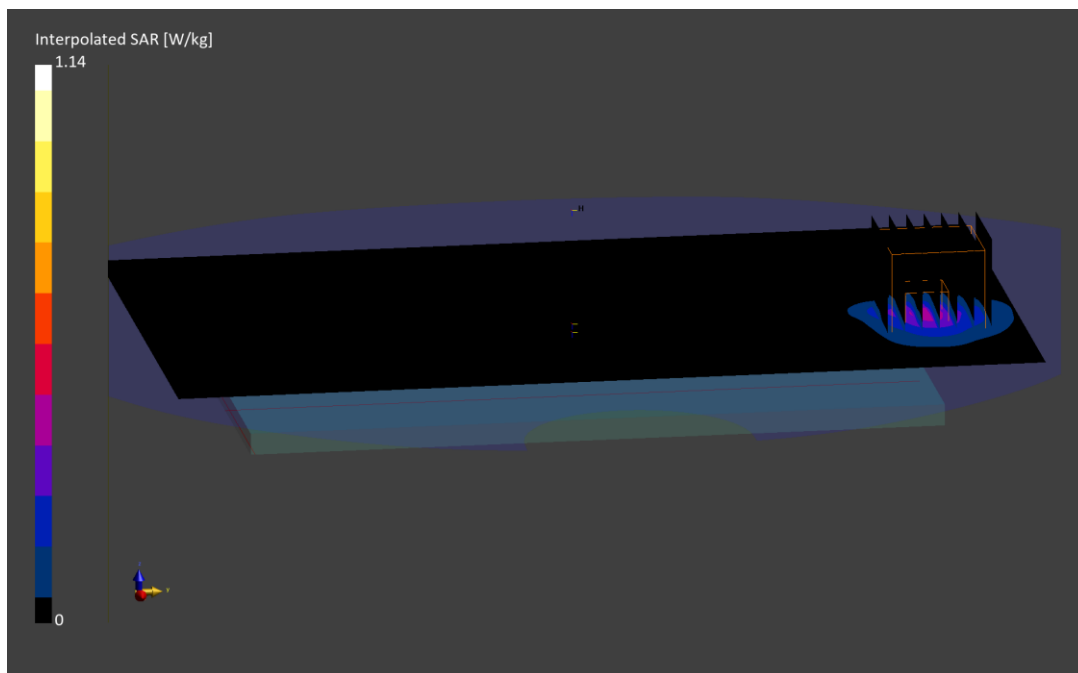
Reference Value = 0.20 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.301 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 60.9 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00268

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: Flat; Space: 10.00 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: Hotspot| Top Edge, Ch. 155, 29.3 Mbps**

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

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

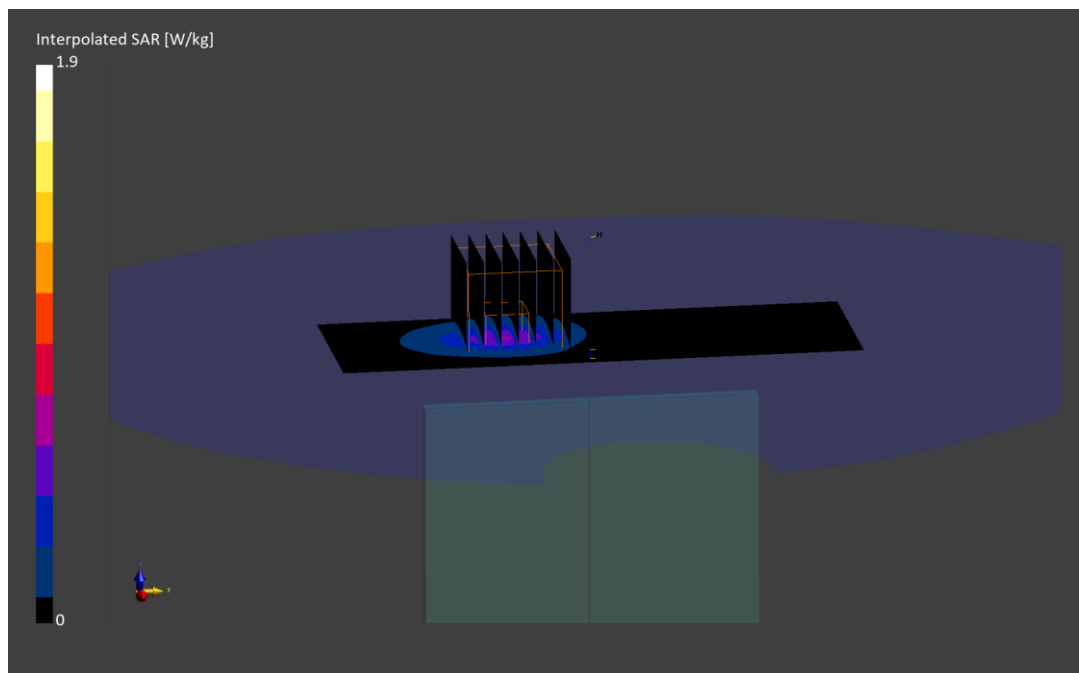
Reference Value = 0.34 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.482 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 = 59.1 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00268

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5690.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5690.0 MHz; cond = 5.20 S/m; perm = 34.7; density = 1000 kg/m³

Phantom Section: Flat; 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-2C, Exp: Phablet| Top Edge, Ch. 138, 29.3 Mbps**

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

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.2 mm, dy=2.2 mm, dz=1.2 mm; Graded Ratio: 1.2

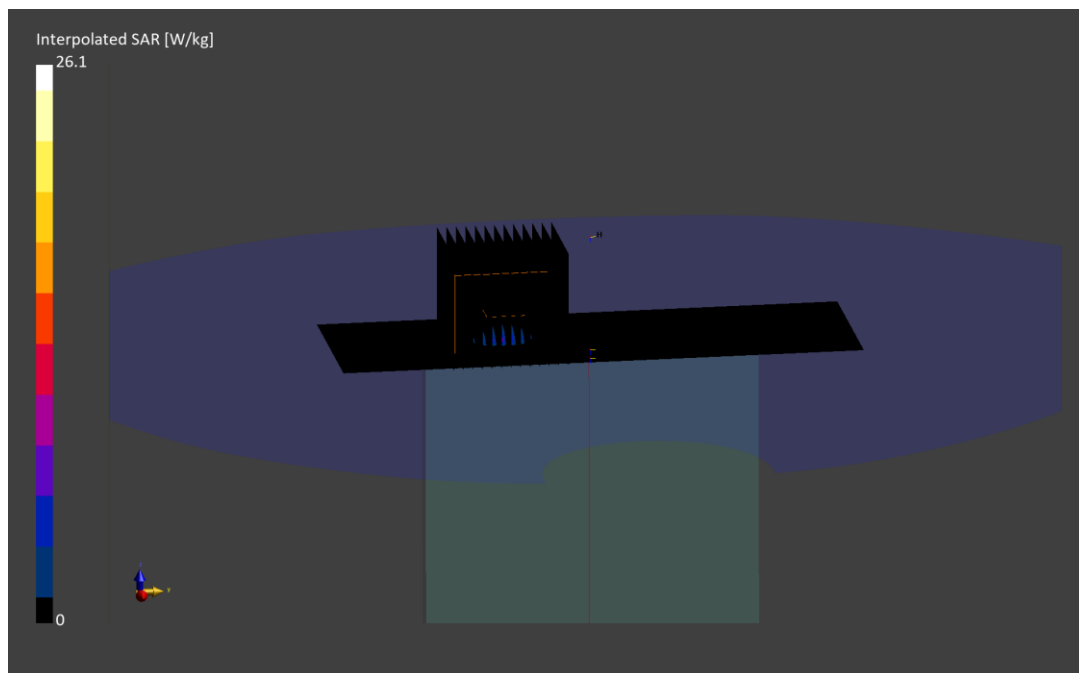
Reference Value = 3.41 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 26.1 W/kg

SAR(10 g) = 0.672 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 = 59.8 %



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00671

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

Medium: 2450 Head; Medium parameters used:

f = 2480.0 MHz; cond = 1.80 S/m; perm = 37.5; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 11/02/2023; Ambient Temp: 23.9°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7713; ConvF:(8.26,8.26,8.26); 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: 2.4 GHz Bluetooth, Antenna E, Exp: Head| Right Tilt, 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

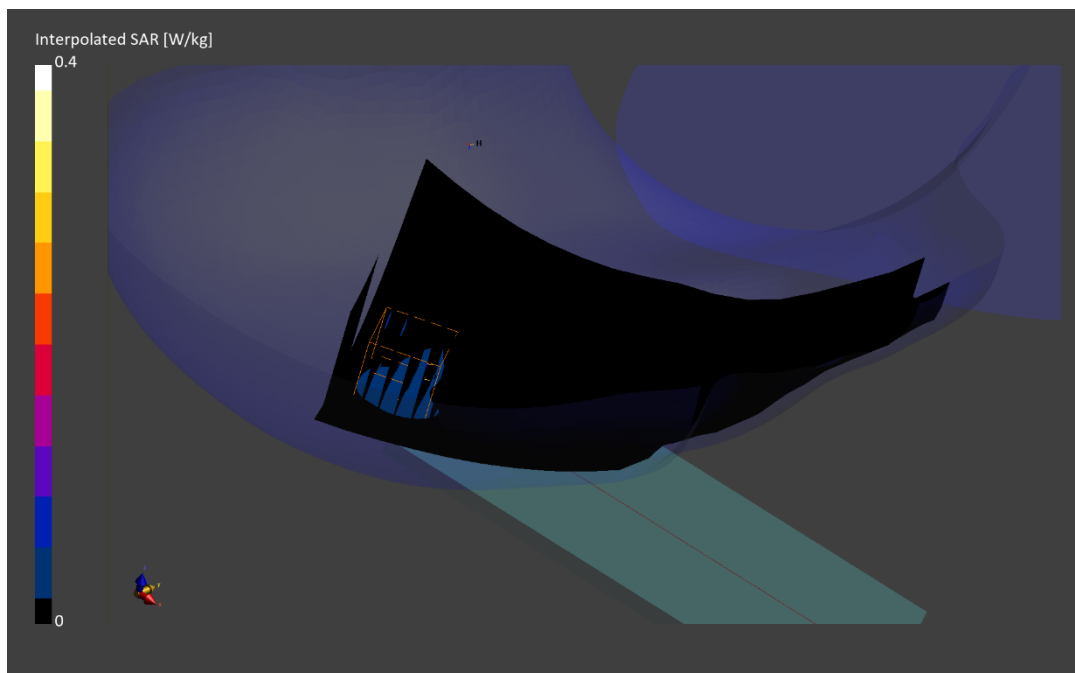
Reference Value = 0.05 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.111 W/kg

SAR(1 g) = 0.048 W/kg

Smallest distance from peaks to all points 3 dB below is 8.1 mm

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



ELEMENT

DUT: A3LSMA156E; Type: Portable Handset; Serial: 00671

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

Medium: 2450 Head; Medium parameters used:

f = 2480.0 MHz; cond = 1.80 S/m; perm = 37.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/02/2023; Ambient Temp: 23.9°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7713; ConvF:(8.26,8.26,8.26); 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: 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 = 0.02 W/kg; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.040 W/kg

SAR(1 g) = 0.018 W/kg

Smallest distance from peaks to all points 3 dB below is 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 80.2 %

