

APPENDIX A: SAR TEST DATA

ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

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

Medium: 835 Head; Medium parameters used:

$f = 848.8$ MHz; $\text{cond} = 0.909$ S/m; $\text{perm} = 40.0$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/07/2022; Ambient Temp: 21.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(9.57,9.57,9.57); Calibrated: 2021-06-21

Sensor-Surface: 1.4mm (All points)

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

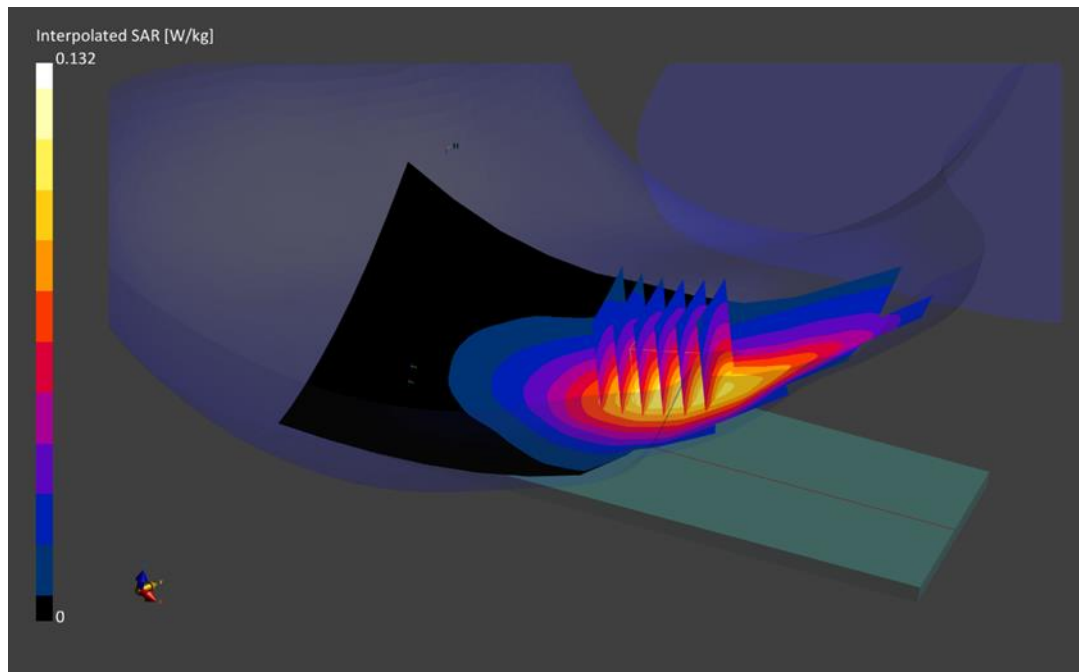
Reference Value = 0.10 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.099 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 = 89.8 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

Communication System: UID:10027 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Head; Medium parameters used:

$f = 1880.0$ MHz; $\text{cond} = 1.43$ S/m; $\text{perm} = 40.1$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/07/2022; Ambient Temp: 23.2°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN3914; ConvF:(7.99,7.99,7.99); Calibrated: 2021-05-18

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

Mode: DTM 1900, Right Head, Cheek, Mid Ch., 3 Tx Slots

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

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

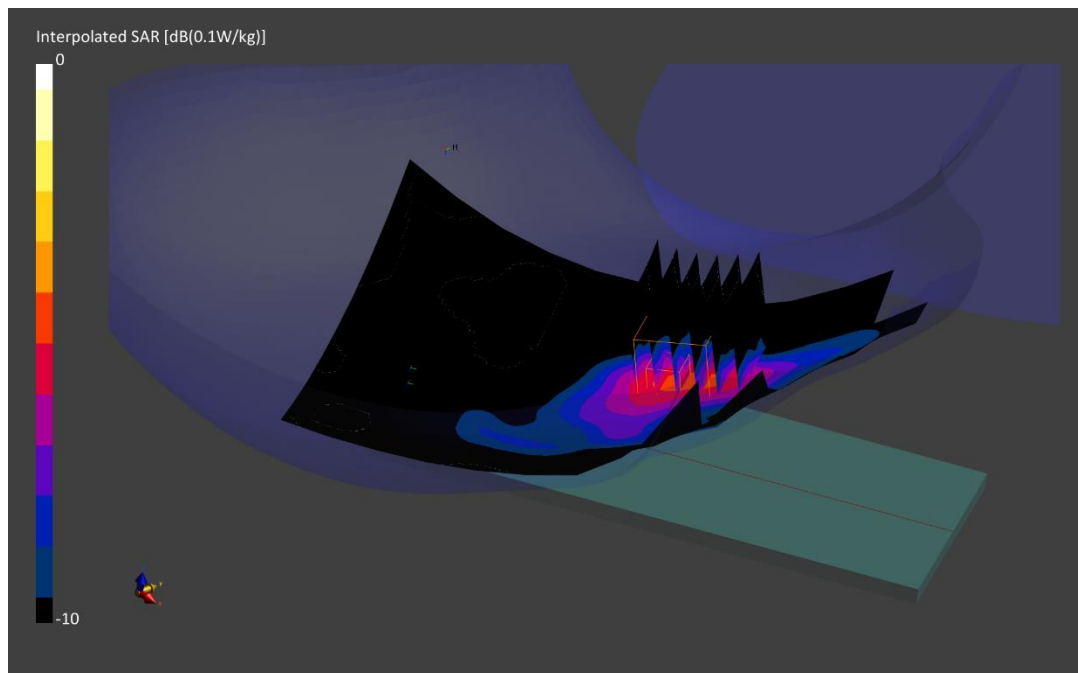
Reference Value = 0.00 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.049 W/kg

SAR(1 g) = 0.028 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 = 81.5 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 835 Head; Medium parameters used:

f = 846.6 MHz; cond = 0.948 S/m; perm = 42.6; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/30/2022; Ambient Temp: 22.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7538; ConvF:(10.23,10.23,10.23); Calibrated: 2021-11-16

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

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

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

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

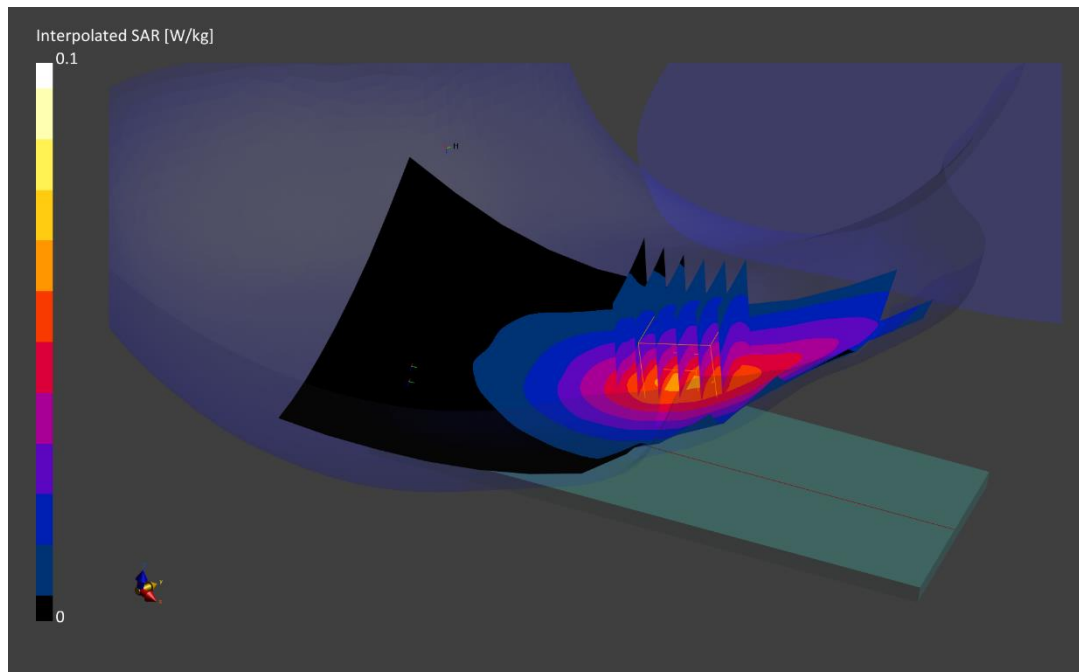
Reference Value = 0.06 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.053 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 = 93.3 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

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 = 38.7; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/30/2022; Ambient Temp: 22.6°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7552; ConvF:(8.32,8.32,8.32); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

Mode: UMTS 1750, Right Head, Cheek, Low Ch.

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

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

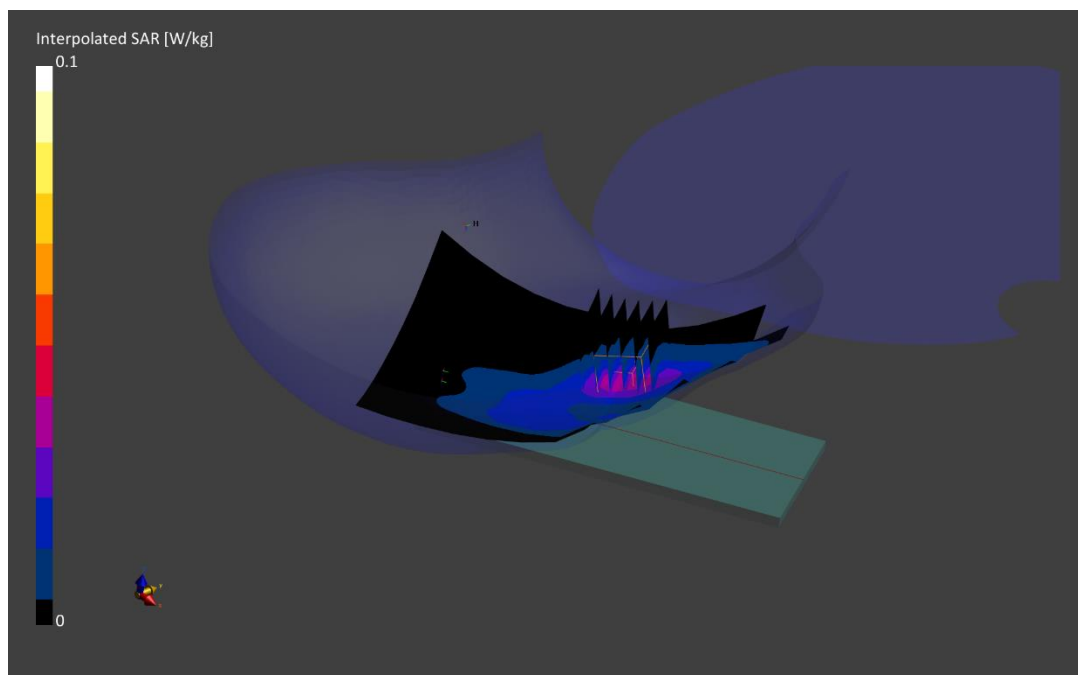
Reference Value = 0.04 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.054 W/kg

SAR(1 g) = 0.035 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 = 89.6 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 1900 Head; Medium parameters used:

f = 1907.6 MHz; cond = 1.46 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/07/2022; Ambient Temp: 23.2°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN3914; ConvF:(7.99,7.99,7.99); Calibrated: 2021-05-18

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

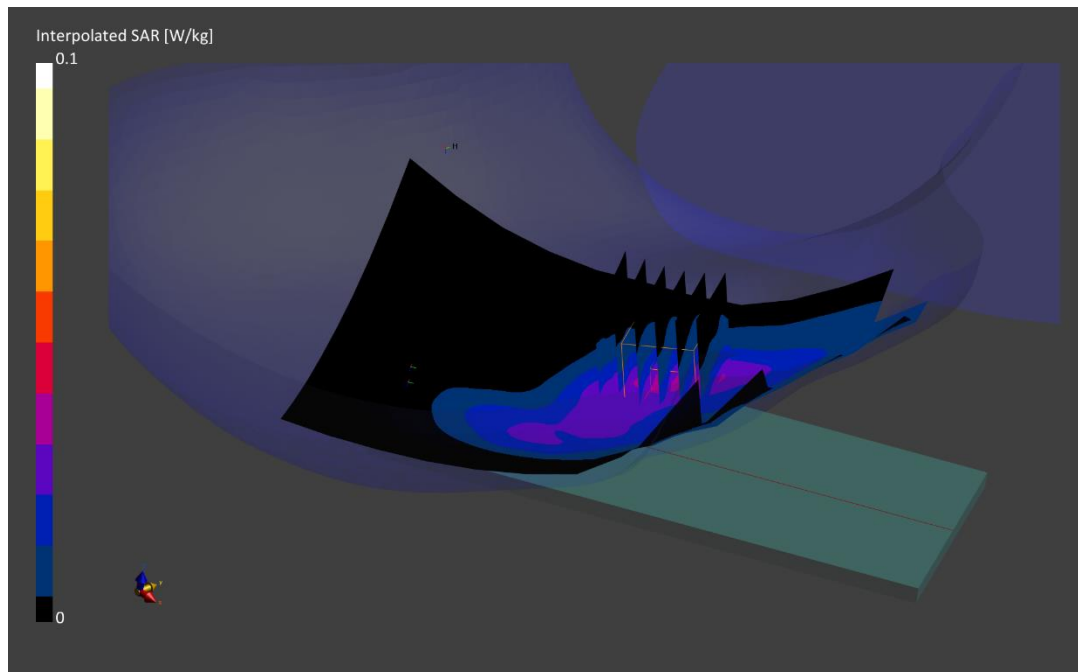
Reference Value = 0.03 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.034 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17738

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

Medium: 750 Head; Medium parameters used:

f = 680.5 MHz; cond = 0.887 S/m; perm = 43.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/30/2022; Ambient Temp: 24.4°C; Tissue Temp: 22.2°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 71, Right Head, Cheek, Mid.ch,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

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

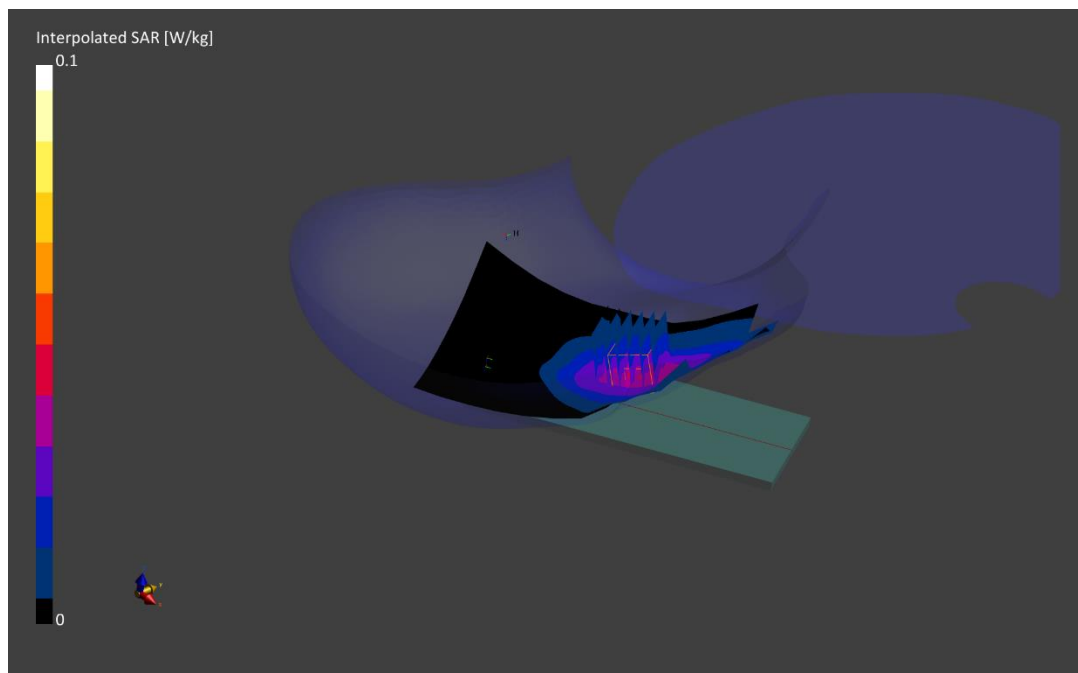
Reference Value = 0.04 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.050 W/kg

SAR(1 g) = 0.039 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 MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 750 Head; Medium parameters used:

f = 707.5 MHz; cond = 0.896 S/m; perm = 42.2; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/10/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7409; ConvF:(9.97,9.97,9.97); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 12, Right Head, Cheek, Mid Ch,
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

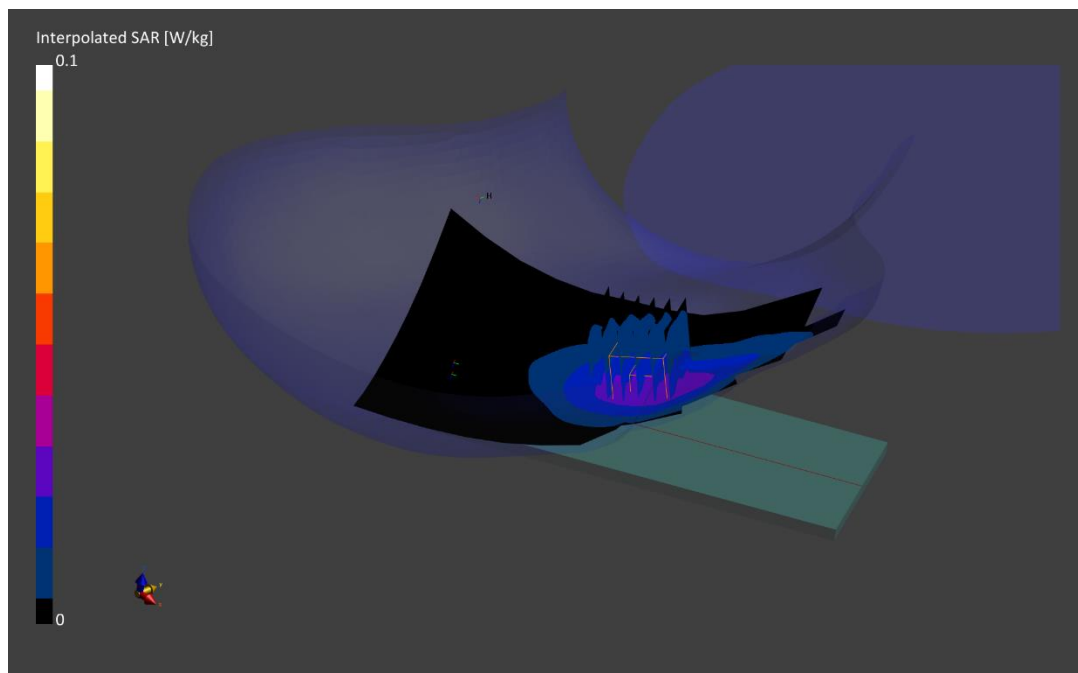
Reference Value = 0.03 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.037 W/kg

SAR(1 g) = 0.030 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 = 97.5 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 750 Head; Medium parameters used:

f = 782.0 MHz; cond = 0.922 S/m; perm = 42.0; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/10/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7409; ConvF:(9.97,9.97,9.97); Calibrated: 2021-06-21

Sensor-Surface: 1.4mm (All points)

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

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

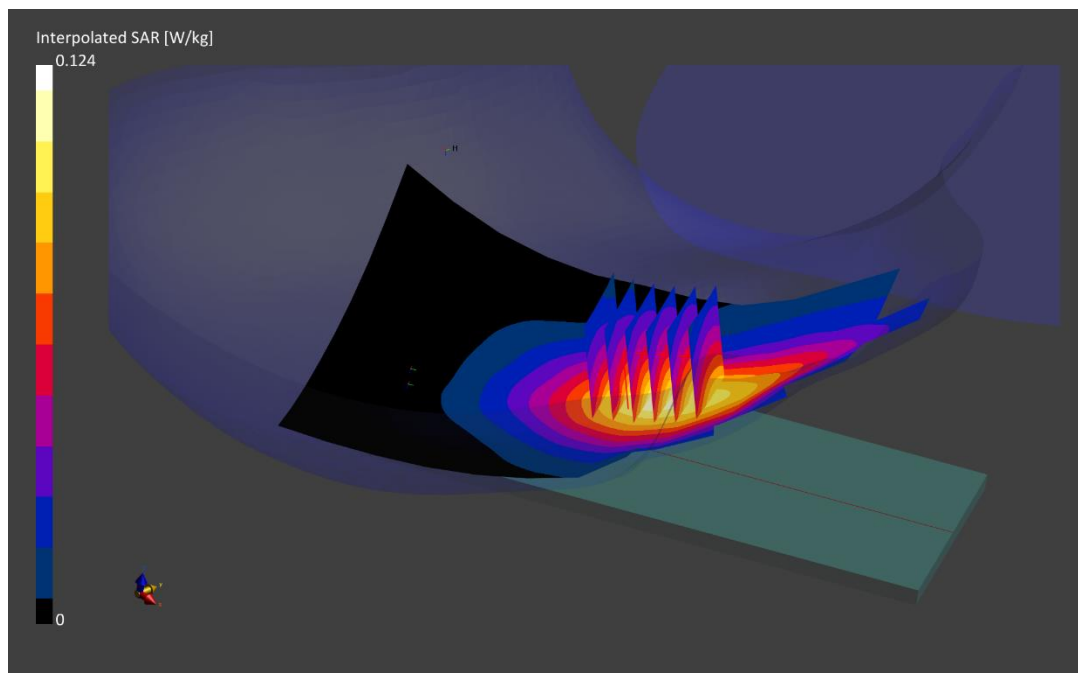
Reference Value = 0.09 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.095 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 = 90.9 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

Communication System: UID:10175 - CAG, LTE-FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Head; Medium parameters used:

f = 836.5 MHz; cond = 0.896 S/m; perm = 40.2; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/07/2022; Ambient Temp: 21.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(9.57,9.57,9.57); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 5, Right Head, Cheek, Mid Ch,
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

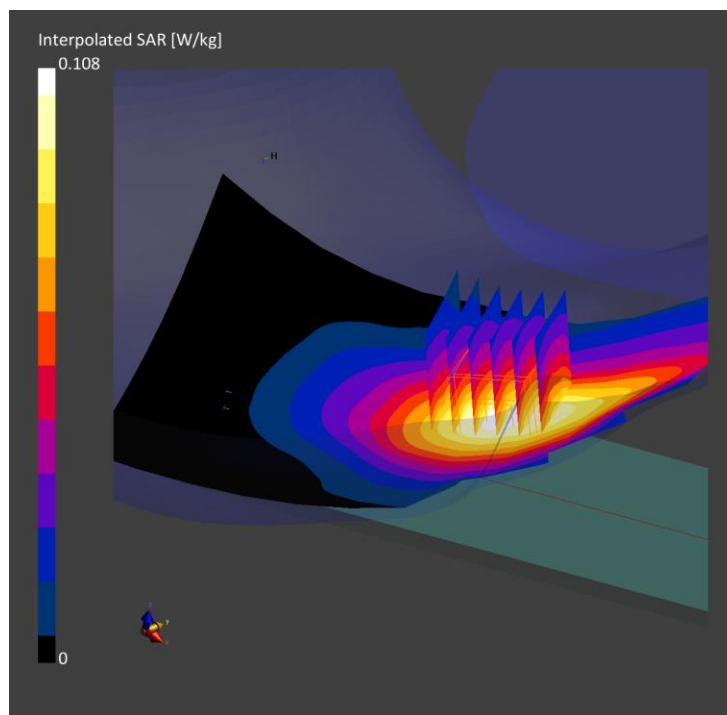
Reference Value = 0.08 W/kg; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.108 W/kg

SAR(1 g) = 0.086 W/kg

Smallest distance from peaks to all points 3 dB below is 21.0 mm

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Head; Medium parameters used:

f = 1745.0 MHz; cond = 1.33 S/m; perm = 41.8; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/19/2022; Ambient Temp: 18.5°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.8,8.8,8.8); Calibrated: 2022-02-04

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

Electronics: DAE4 Sn1530; Calibrated: 2022-01-12

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 66 (AWS) Cellular Sub Antenna, Left Head, Cheek, Mid Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

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

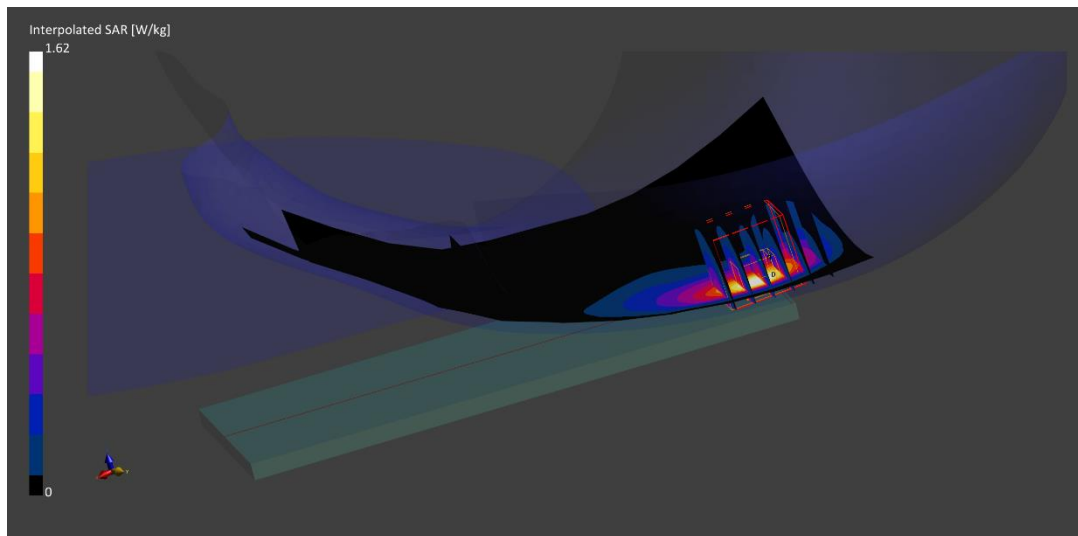
Reference Value = 0.62 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.795 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 85.0 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Head; Medium parameters used:

f = 1882.5 MHz; cond = 1.44 S/m; perm = 40.1; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/07/2022; Ambient Temp: 23.2°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN3914; ConvF:(7.99,7.99,7.99); Calibrated: 2021-05-18

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

Mode: LTE Band 25, Right Head, Cheek, Mid Ch
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

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

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

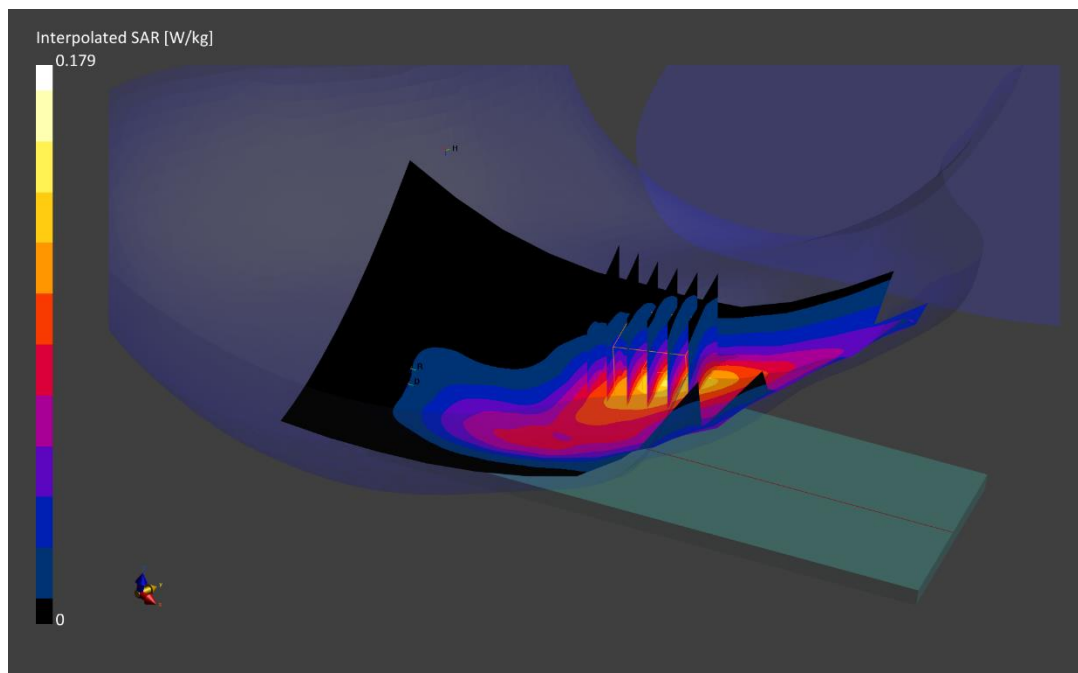
Reference Value = 0.10 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.111 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 = 84.2 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

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

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.42 S/m; perm = 41.6; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/19/2022; Ambient Temp: 18.5°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.52,8.52,8.52); Calibrated: 2022-02-04

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

Electronics: DAE4 Sn1530; Calibrated: 2022-01-12

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 2 Cellular Sub Antenna, Left Head, Cheek, High Ch,
20 MHz Bandwidth, QPSK, 50 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

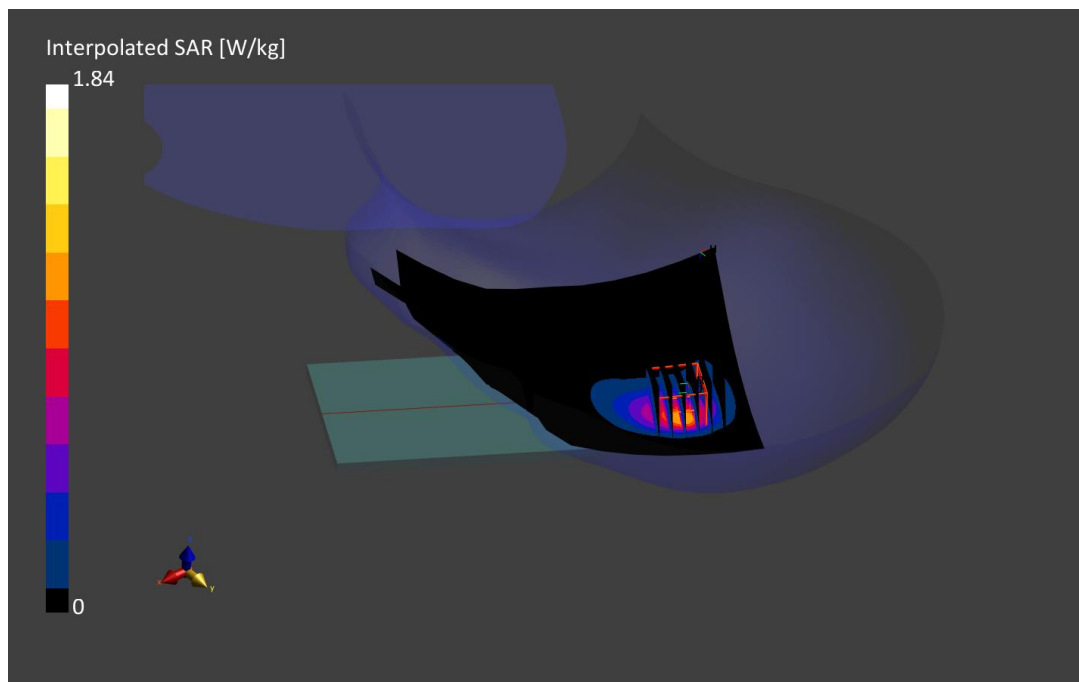
Reference Value = 0.74 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.968 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 = 88.5 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2636.5 MHz

Medium: 2450 Head; Medium parameters used:

f = 2636.5 MHz; cond = 1.93 S/m; perm = 37.2; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/10/2022; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 41, Right Head, Cheek, Mid-High Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

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

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

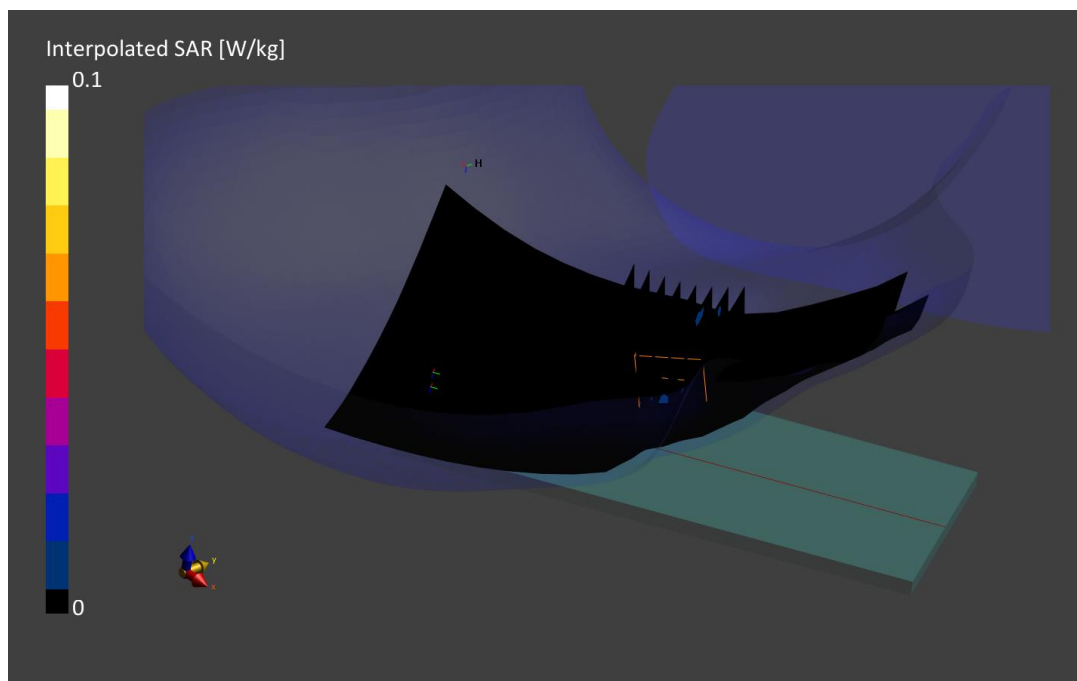
Reference Value = 0.00 W/kg; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.017 W/kg

SAR(1 g) = 0.006 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 = 77.6 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

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

Medium: 3600 Head; Medium parameters used:

f = 3690.0 MHz; cond = 2.99 S/m; perm = 39.0; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/06/2022; Ambient Temp: 20.7°C; Tissue Temp: 20.0°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 48, Left Head, Cheek, High Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

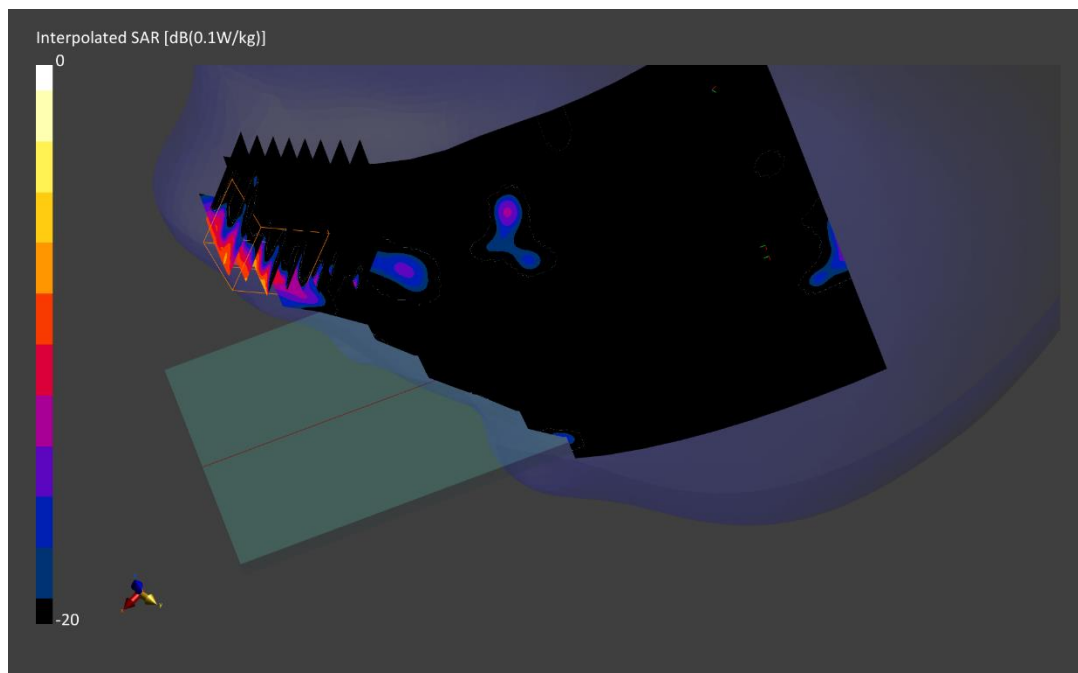
Reference Value = 0.00 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.007 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 = 84.3 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01203

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

Medium: 750 Head; Medium parameters used:

f = 680.5 MHz; cond = 0.884 S/m; perm = 41.7; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/24/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7552; ConvF:(9.85,9.85,9.85); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

**Mode: NR Band n71, Left Head, Cheek, Ch. 136100,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 53 RB Offset**

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

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

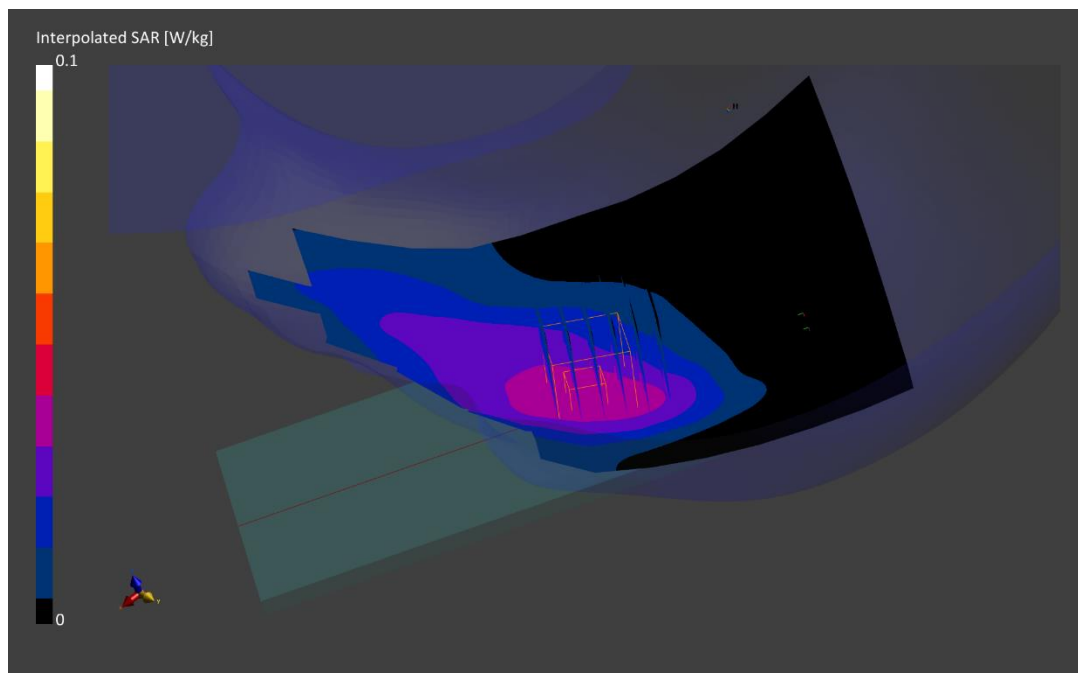
Reference Value = 0.04 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.052 W/kg

SAR(1 g) = 0.040 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 = 93.4 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01203

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

Medium: 835 Head; Medium parameters used:

f = 836.5 MHz; cond = 0.942 S/m; perm = 41.2; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/24/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7552; ConvF:(9.42,9.42,9.42); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

**Mode: NR Band n5, Right Head, Cheek, Ch. 167300,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

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

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

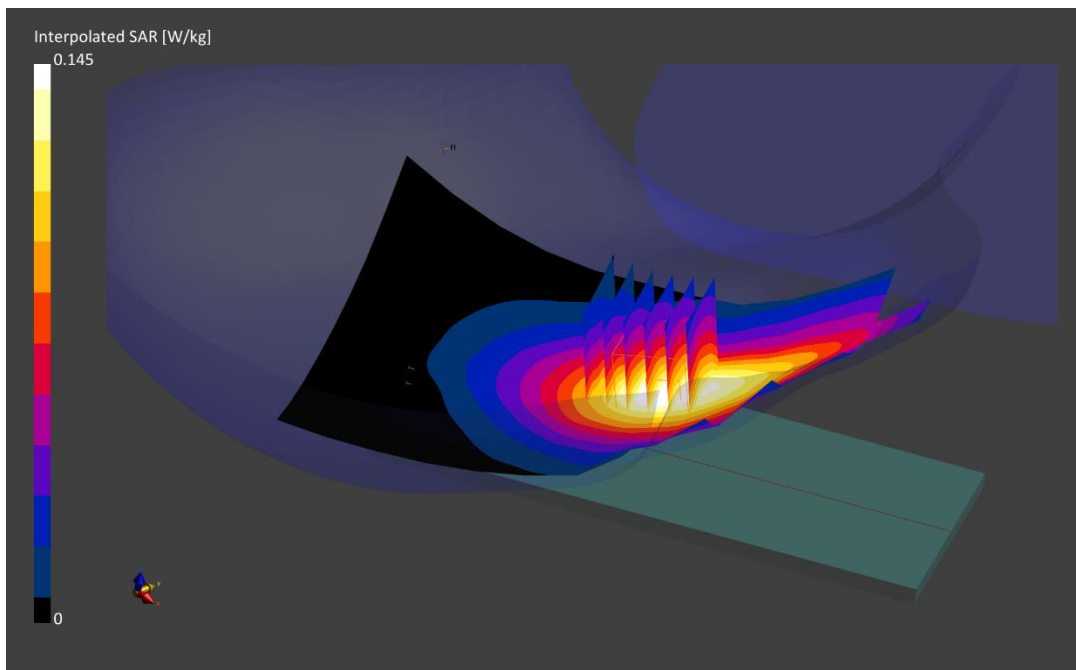
Reference Value = 0.14 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.131 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 93.2 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01146

Communication System: UID:10931 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 1720.0 MHz

Medium: 1750 Head; Medium parameters used:

f = 1720.0 MHz; cond = 1.35 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/24/2022; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7406; ConvF:(8.26,8.26,8.26); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

**Mode: NR Band n66, Right Head, Cheek, Ch. 344000,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 104 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

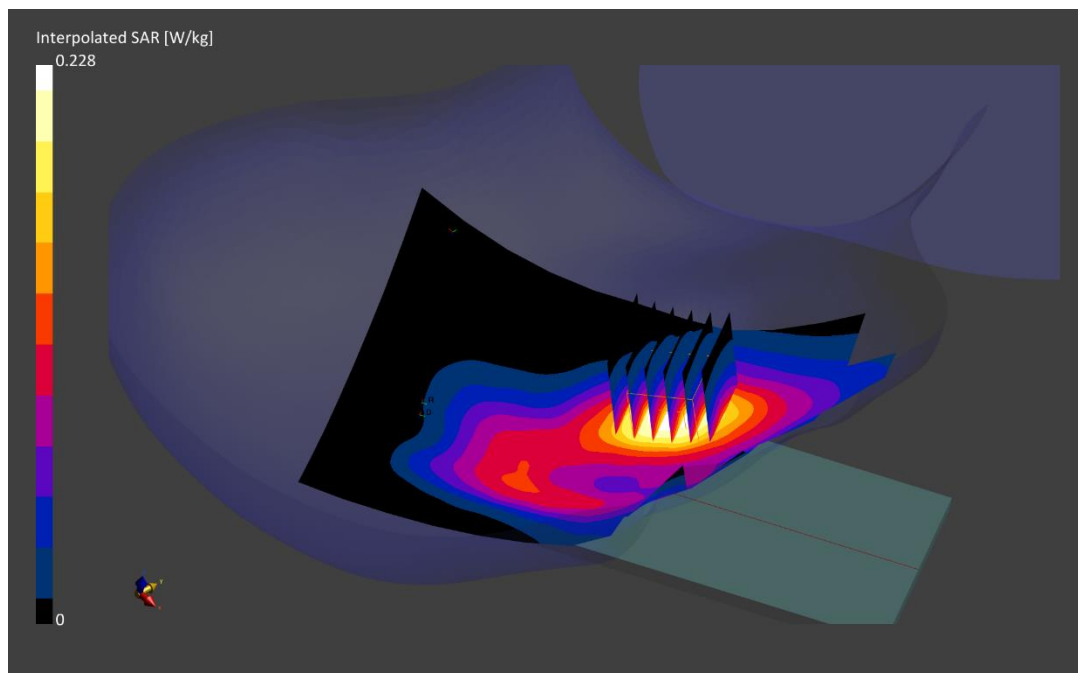
Reference Value = 0.15 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.154 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 90.2 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01203

Communication System: UID:10939 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1860.0 MHz; cond = 1.36 S/m; perm = 39.4; density = 1000 kg/m³

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 03/28/2022; Ambient Temp: 21.8°C; Tissue Temp: 24.2°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

**Mode: NR Band n2, Right Head, Cheek, Ch. 372000, 20 MHz Bandwidth
DFT-s-OFDM QPSK, 50 RB, 28 RB Offset**

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

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

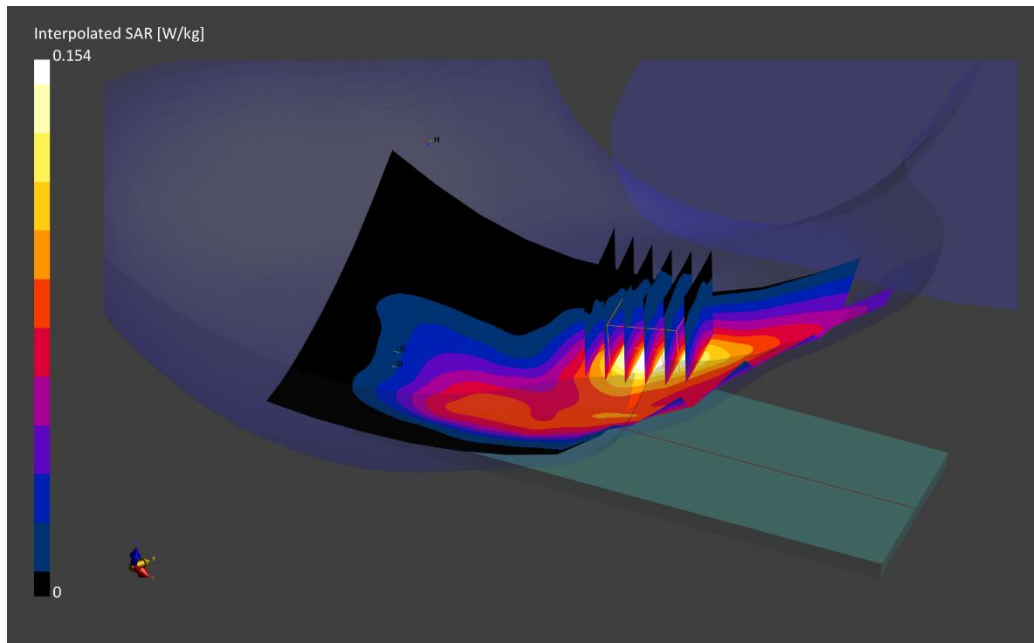
Reference Value = 0.11 W/kg; Power Drift = 0.02 dB

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 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 85.0 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17746

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

Medium: 2450 Head; Medium parameters used:

f = 2593.0 MHz; cond = 2.03 S/m; perm = 37.4; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/24/2022; Ambient Temp: 23.0°C; Tissue Temp: 22.6°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n41, Left Head, Cheek, Ch. 518598,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 137 RB Offset**

Area Scan (100.0 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

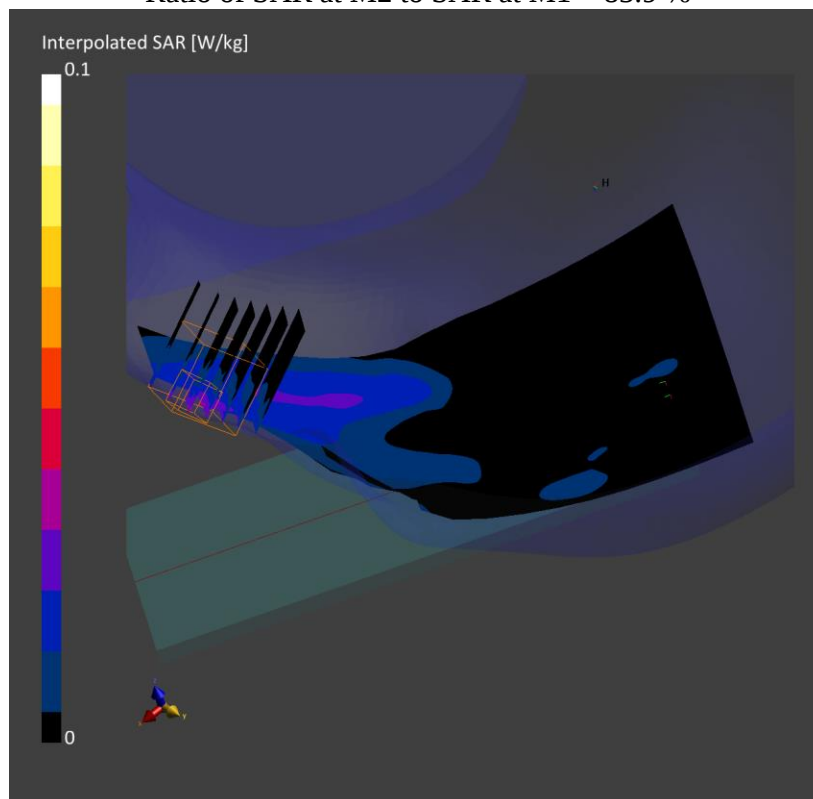
Reference Value = 0.03 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.044 W/kg

SAR(1 g) = 0.027 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 83.9 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01088

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

Medium: 3600 Head; Medium parameters used:

$f = 3750.0$ MHz; $\text{cond} = 3.01$ S/m; $\text{perm} = 39.1$; $\text{density} = 1000$ kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/24/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.6°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n77, Right Head, Tilt, Ch. 650000,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 137 RB Offset**

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

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

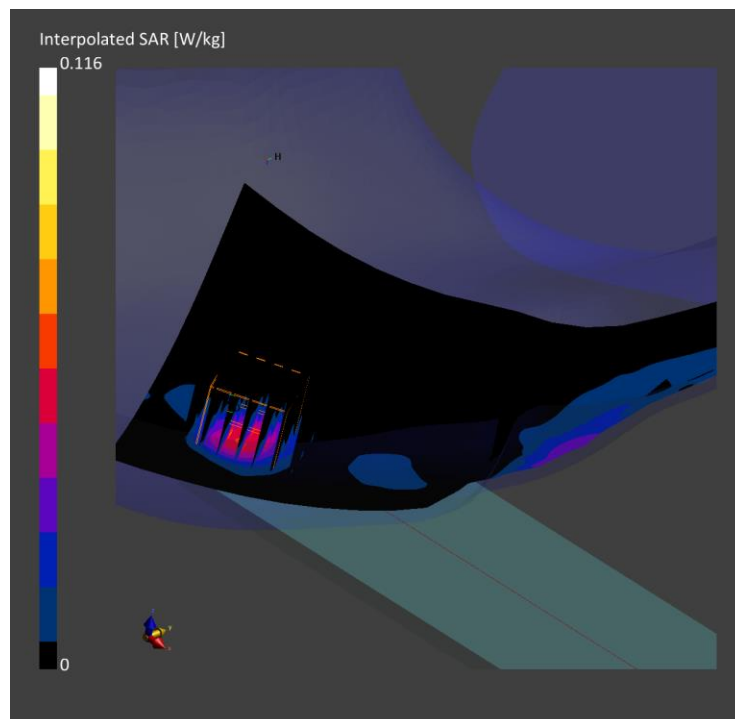
Reference Value = 0.05 W/kg; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.116 W/kg

SAR(1 g) = 0.051 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 = 84.0 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 835 Body; Medium parameters used:

$f = 836.6$ MHz; $\text{cond} = 0.955$ S/m; $\text{perm} = 53.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/03/2022; Ambient Temp: 20.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(9.66,9.66,9.66); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

Mode: GSM 850, Body SAR, Back Side, Mid Ch.

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

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

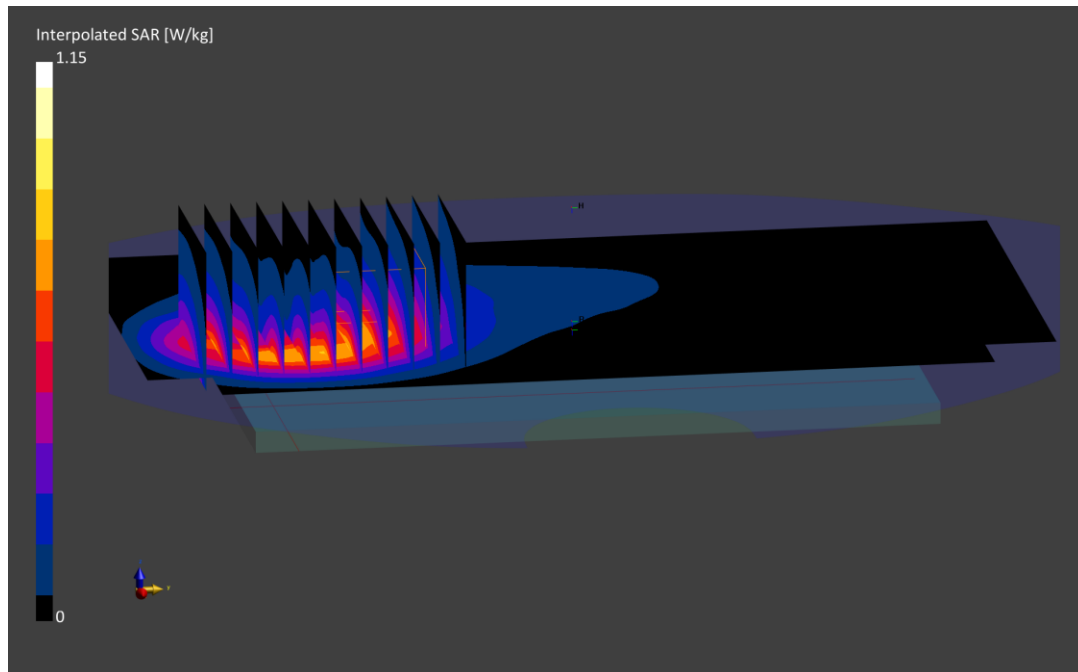
Reference Value = 0.11 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.656 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 = 81.0 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.59 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/04/2022; Ambient Temp: 24.7°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7410; ConvF:(7.7,7.7,7.7); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

Mode: GSM 1900, Body SAR, Front Side, High Ch.

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

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

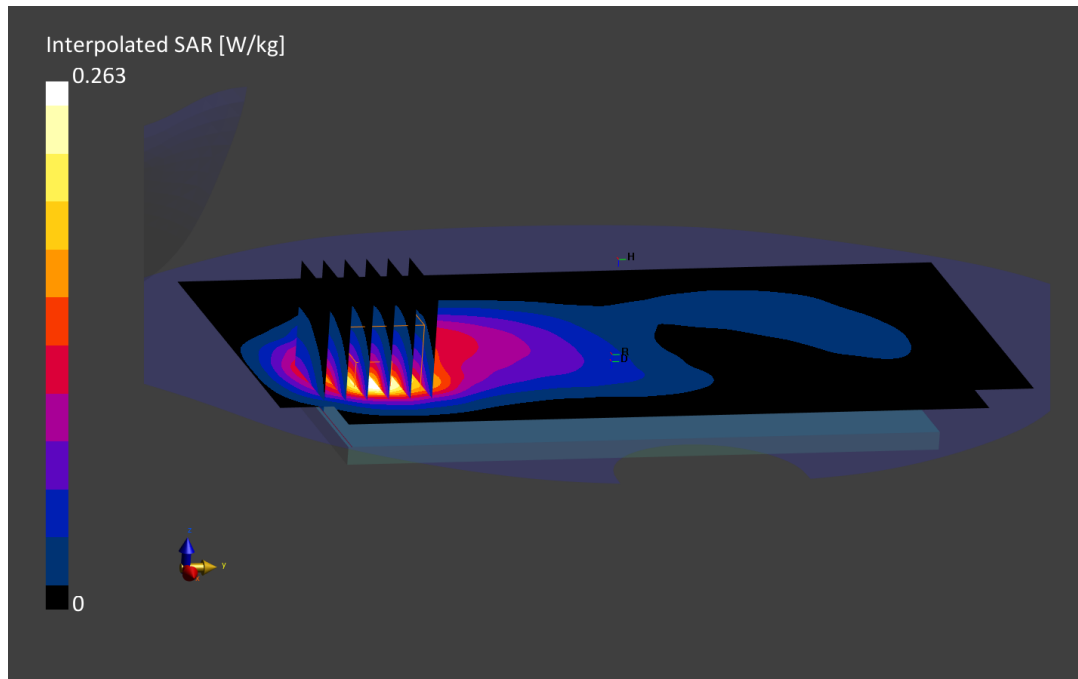
Reference Value = 0.15 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.152 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 = 84.1 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 835 Body; Medium parameters used:

f = 846.6 MHz; cond = 0.966 S/m; perm = 53.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/03/2022; Ambient Temp: 20.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(9.66,9.66,9.66); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

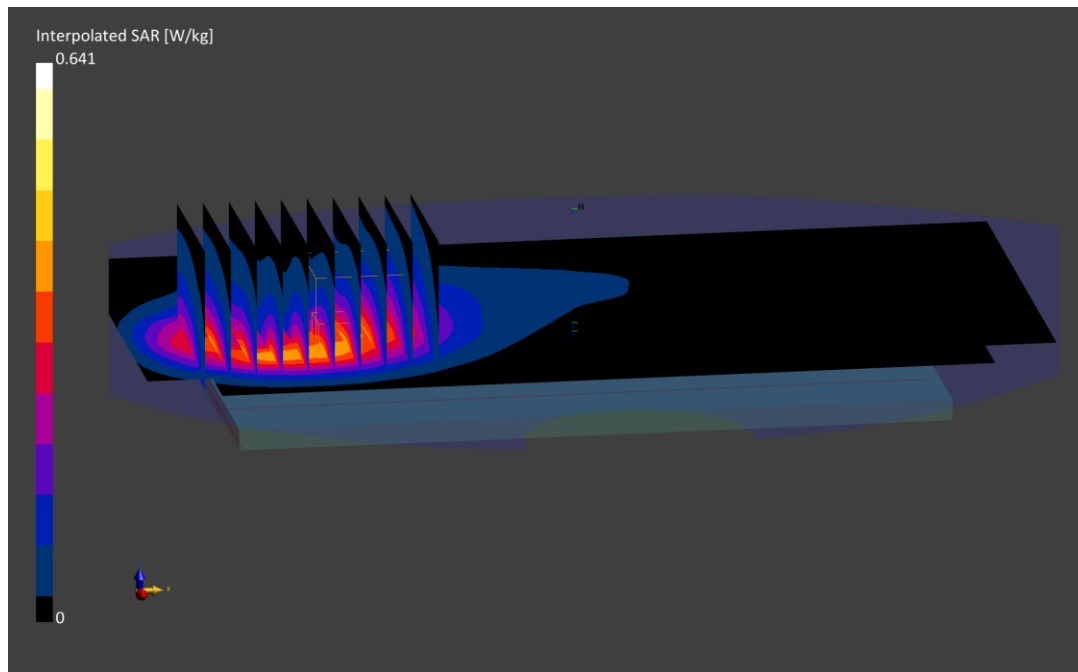
Reference Value = 0.32 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.641 W/kg

SAR(1 g) = 0.362 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 = 80.7 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17753

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

Medium: 1750 Body; Medium parameters used:

f = 1712.4 MHz; cond = 1.49 S/m; perm = 52.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/30/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.2°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

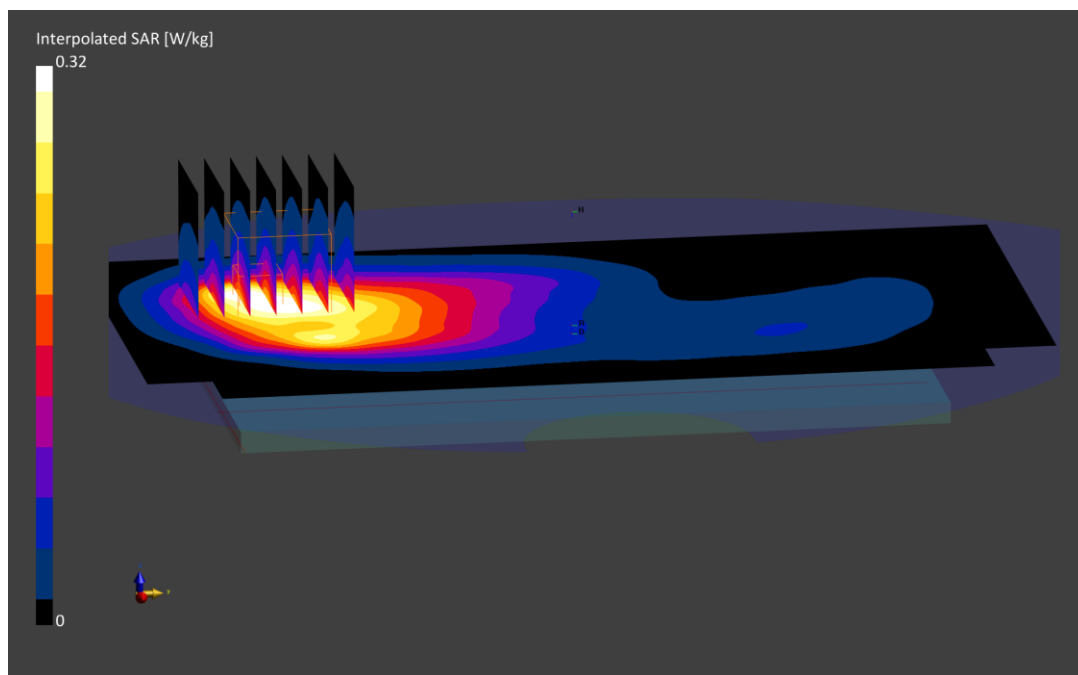
Reference Value = 0.17 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.193 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 = 84.2 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

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

Medium: 1900 Body; Medium parameters used:

f = 1907.6 MHz; cond = 1.55 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.7,7.7,7.7); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

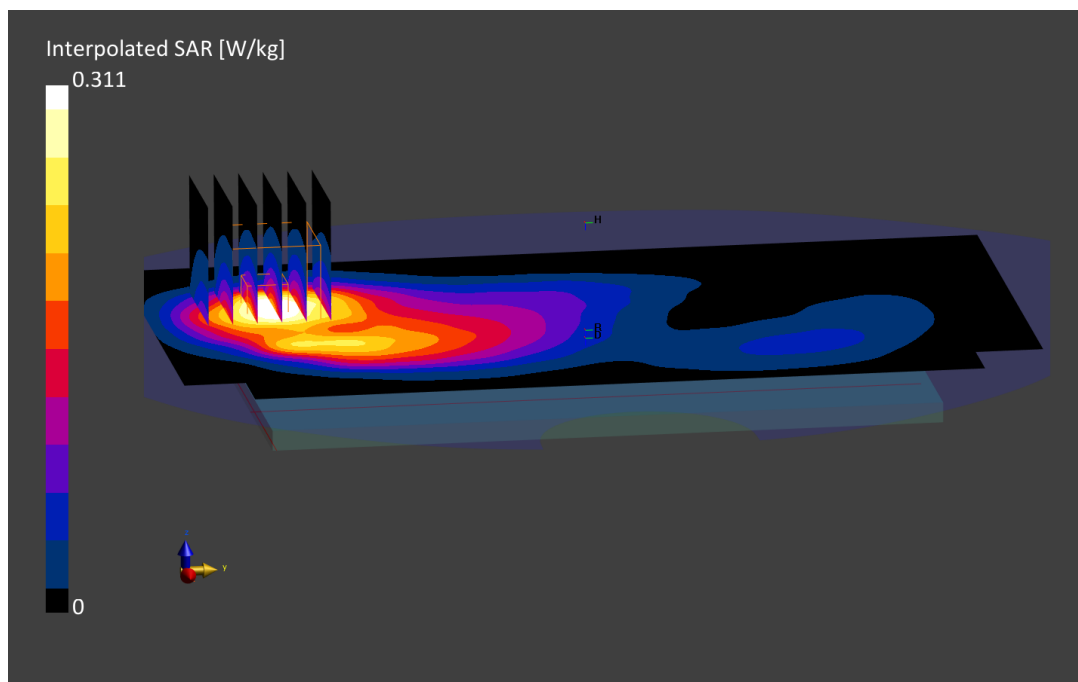
Reference Value = 0.16 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.176 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 84.0 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 750 Body; Medium parameters used:

f = 680.5 MHz; cond = 0.940 S/m; perm = 55.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/31/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7409; ConvF:(9.96,9.96,9.96); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 71, Body SAR, Front Side,
Mid Ch., 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

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

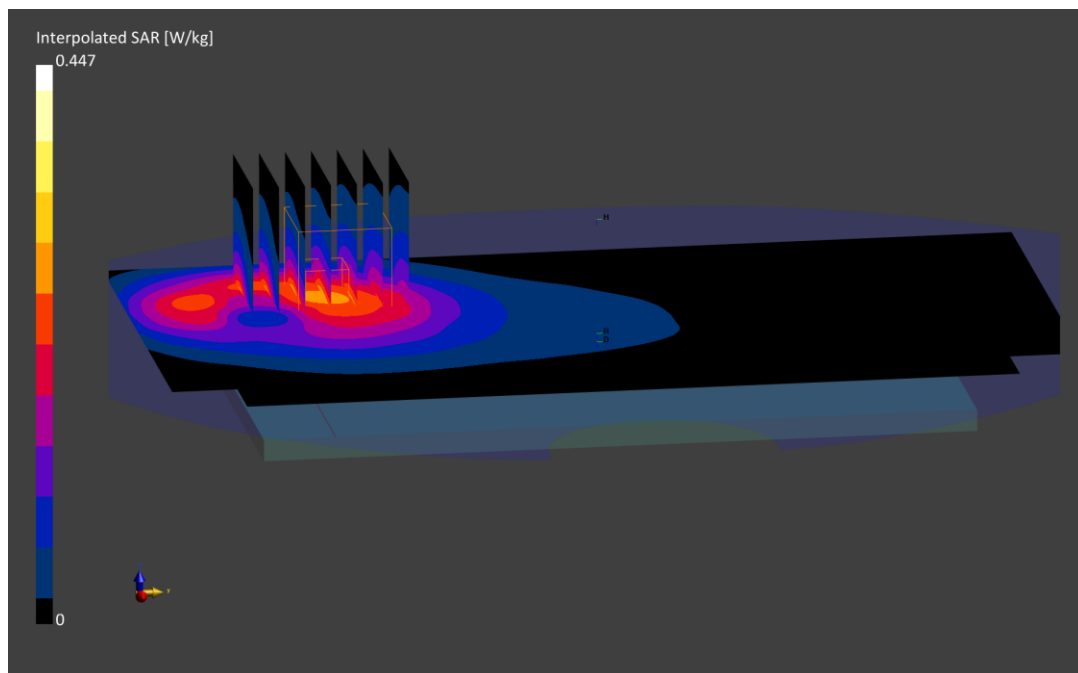
Reference Value = 0.24 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.245 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 = 80.9 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17753

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

Medium: 750 Body; Medium parameters used:

f = 707.5 MHz; cond = 0.928 S/m; perm = 54.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/04/2022; Ambient Temp: 20.3°C; Tissue Temp: 20.5°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 12 Cellular Sub Antenna, Body SAR, Front Side, Mid Ch,
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

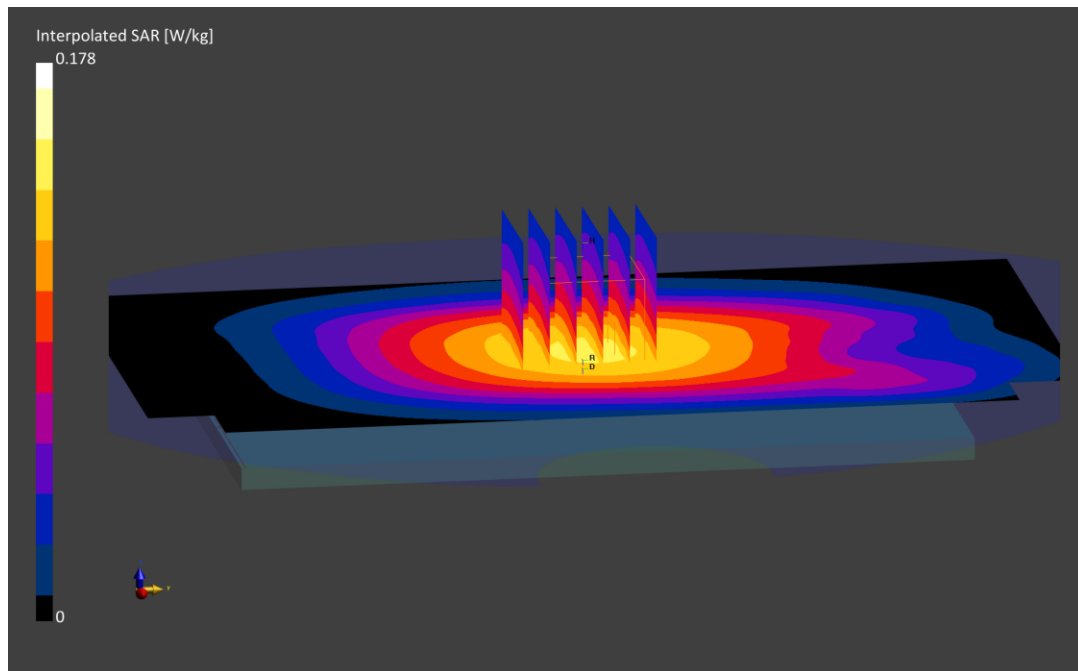
Reference Value = 0.12 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.129 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17753

Communication System: UID:10154 - CAG, LTE-FDD; MAIA: Y; Frequency: 782.0 MHz

Medium: 750 Body; Medium parameters used:

f = 782.0 MHz; cond = 0.959 S/m; perm = 53.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/04/2022; Ambient Temp: 20.3°C; Tissue Temp: 20.5°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

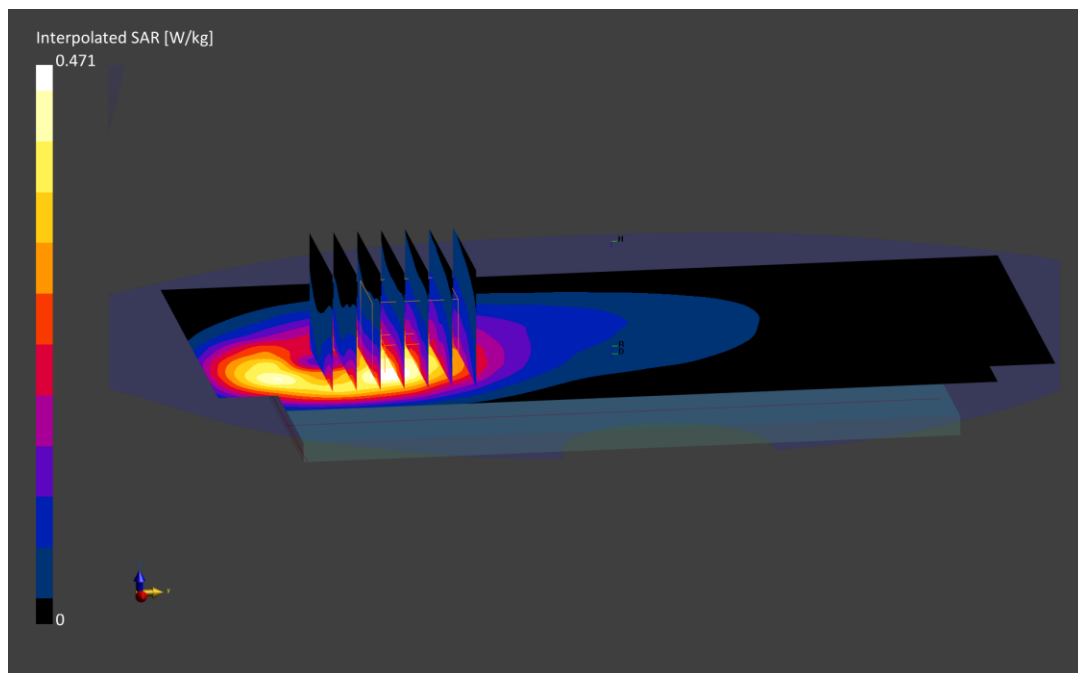
Reference Value = 0.21 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.471 W/kg

SAR(1 g) = 0.267 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

Communication System: UID:10154 - CAG, LTE-FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Body; Medium parameters used:

f = 836.5 MHz; cond = 0.955 S/m; perm = 53.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/03/2022; Ambient Temp: 20.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(9.66,9.66,9.66); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 5 Cellular Main 1 Antenna, Body SAR, Back Side, Mid Ch,
10 MHz Bandwidth, QPSK, 25 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

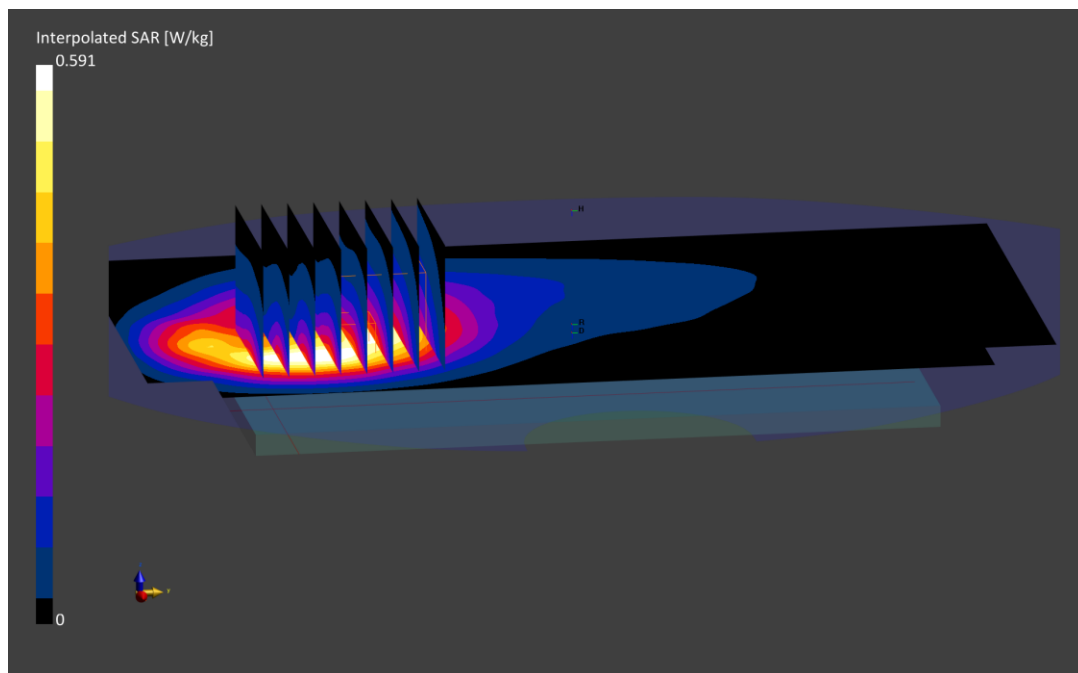
Reference Value = 0.27 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.315 W/kg

Smallest distance from peaks to all points 3 dB below is 12.4 mm

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17753

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.47 S/m; perm = 52.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

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

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 66 (AWS) Cellular Main 2 Antenna, Body SAR, Front Side,
Mid Ch., 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

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

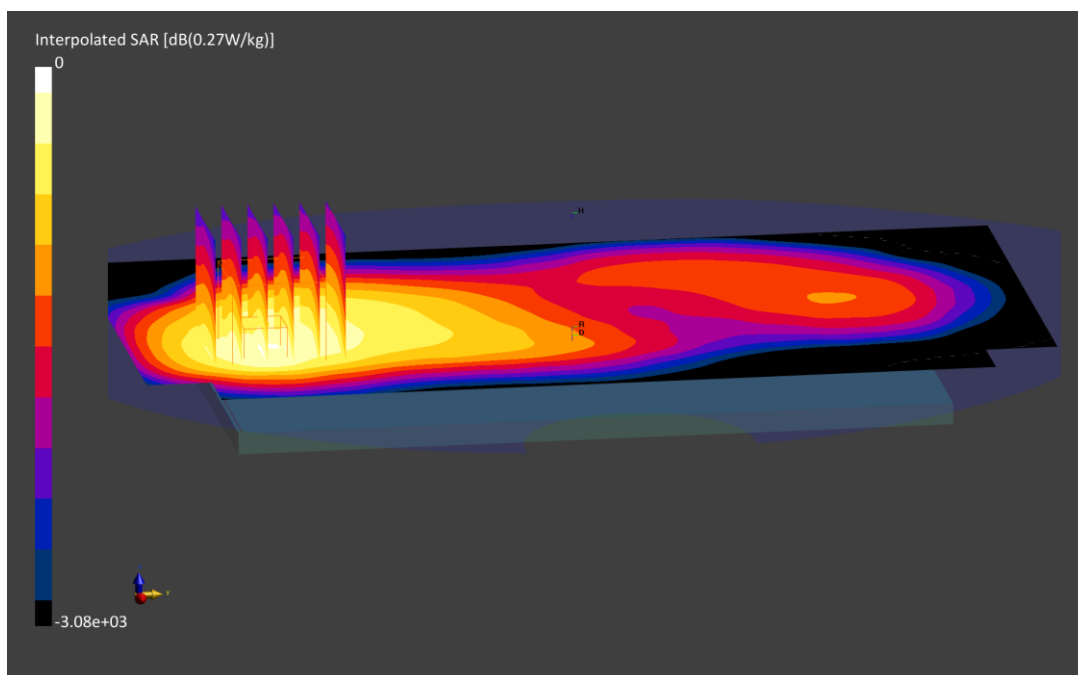
Reference Value = 0.03 W/kg; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.172 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 86.8 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

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

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.50 S/m; perm = 50.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.7,7.7,7.7); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 25, Body SAR, Back side, Low Ch,
20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

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

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

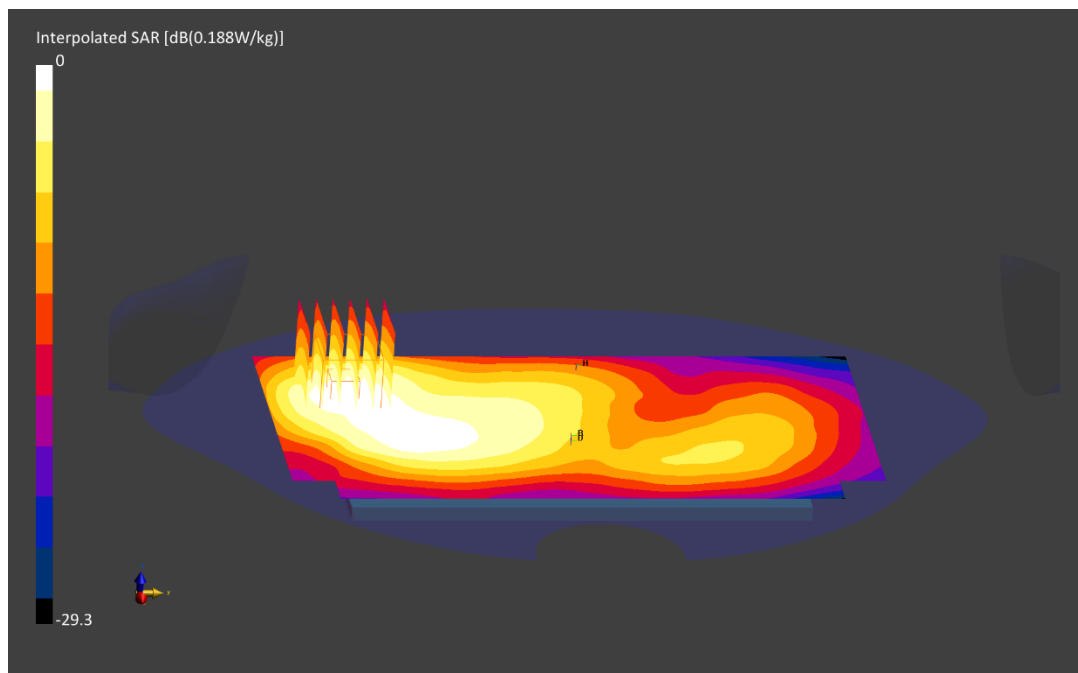
Reference Value = 0.15 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.152 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 83.4 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1880.0 MHz; cond = 1.57 S/m; perm = 53.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/18/2022; Ambient Temp: 19.1°C; Tissue Temp 19.6°C

Probe: EX3DV4 - SN7713; ConvF:(8.17,8.17,8.17); Calibrated: 2022-02-04

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

Electronics: DAE4 Sn1530; Calibrated: 2022-01-12

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 2 Cellular Sub Antenna, Body SAR, Front Side, Mid Ch,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

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

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

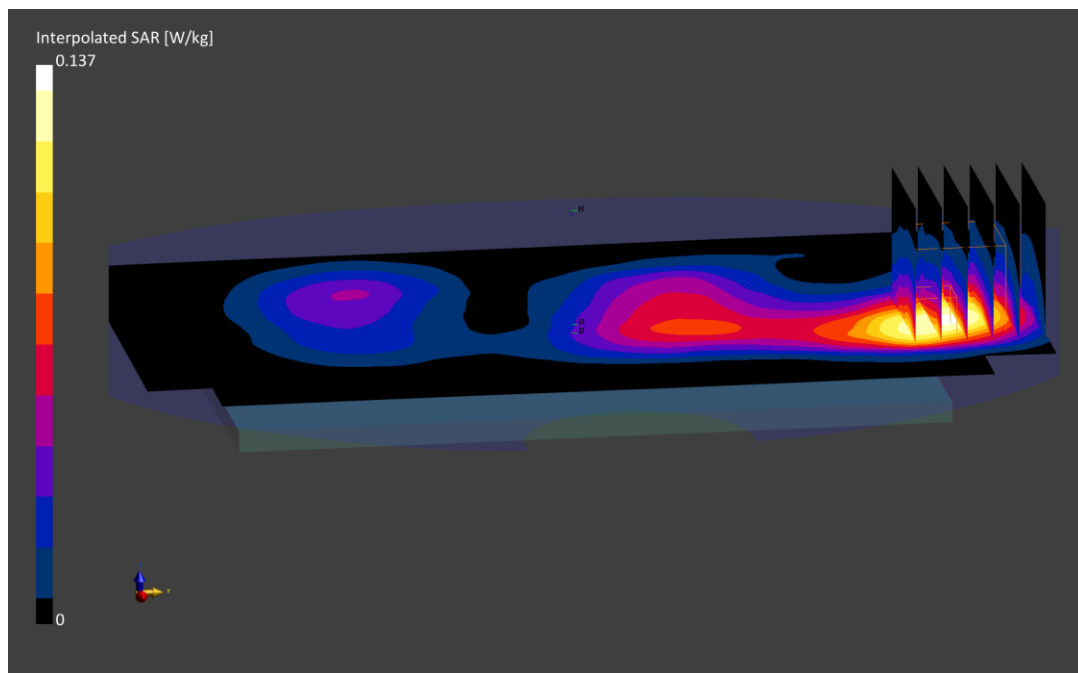
Reference Value = 0.07 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.075 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 = 83.5 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

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

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.13 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/10/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.8°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

**Mode: LTE Band 41, Body SAR, Back Side, Mid Ch.,
20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

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

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

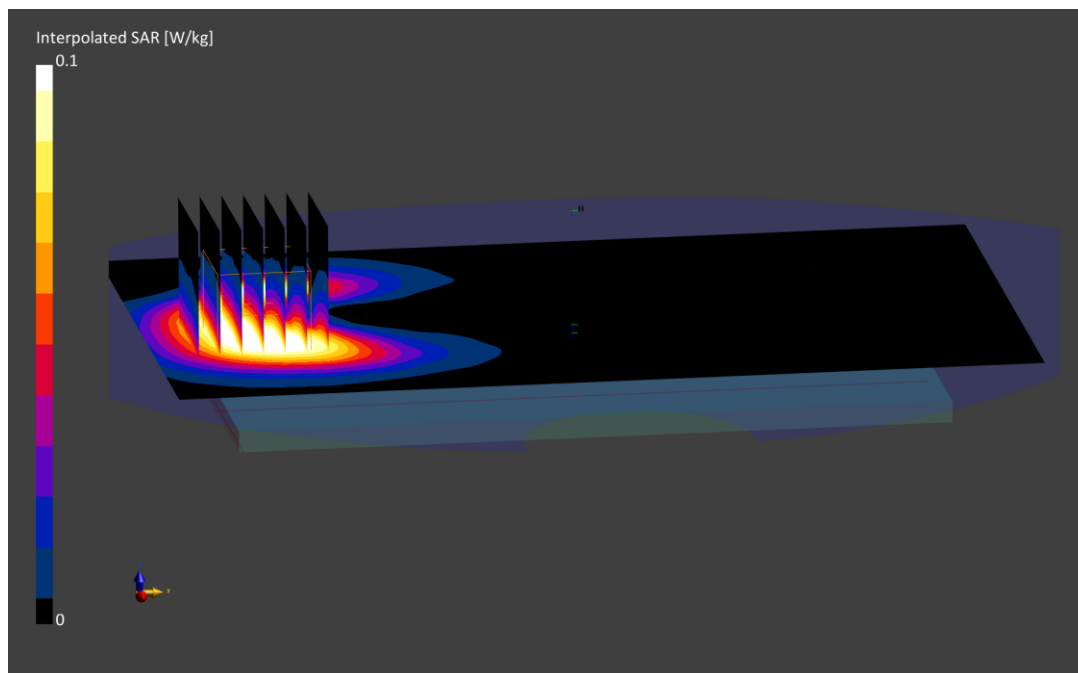
Reference Value = 0.10 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.091 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 79.2 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

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

Medium: 3600 Body; Medium parameters used:

f = 3690.0 MHz; cond = 3.40 S/m; perm = 49.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/06/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7661; ConvF:(6.66,6.66,6.66); Calibrated: 2021-06-28

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 48, Body SAR, Back Side, High Ch.,
20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset**

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

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

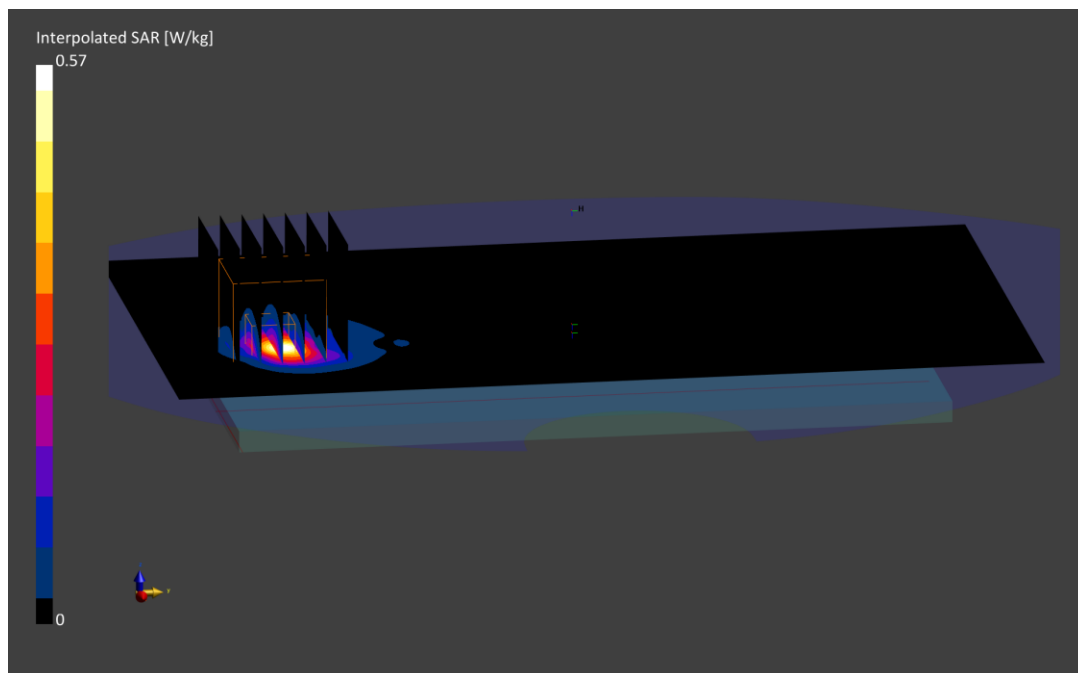
Reference Value = 0.17 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.221 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 77.1 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01146

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

Medium: 750 Body; Medium parameters used:

f = 680.5 MHz; cond = 0.960 S/m; perm = 54.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/24/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7410; ConvF:(9.9,9.9,9.9); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

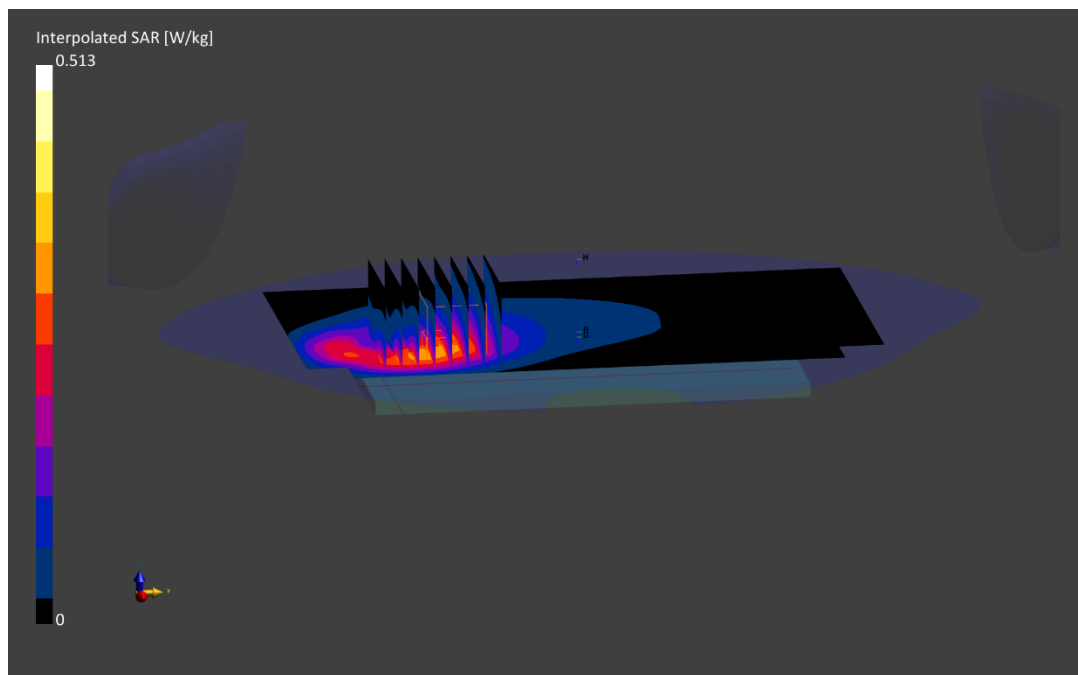
Reference Value = 0.28 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.290 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 82.3 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01203

Communication System: UID:10770 - AAD, CW; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Body; Medium parameters used:

f = 836.5 MHz; cond = 0.945 S/m; perm = 53.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/25/2022; Ambient Temp: 21.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7409; ConvF:(9.66,9.66,9.66); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n5, Cellular Main 1 Antenna, Body SAR, Front Side, Ch. 167300,
20 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

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

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

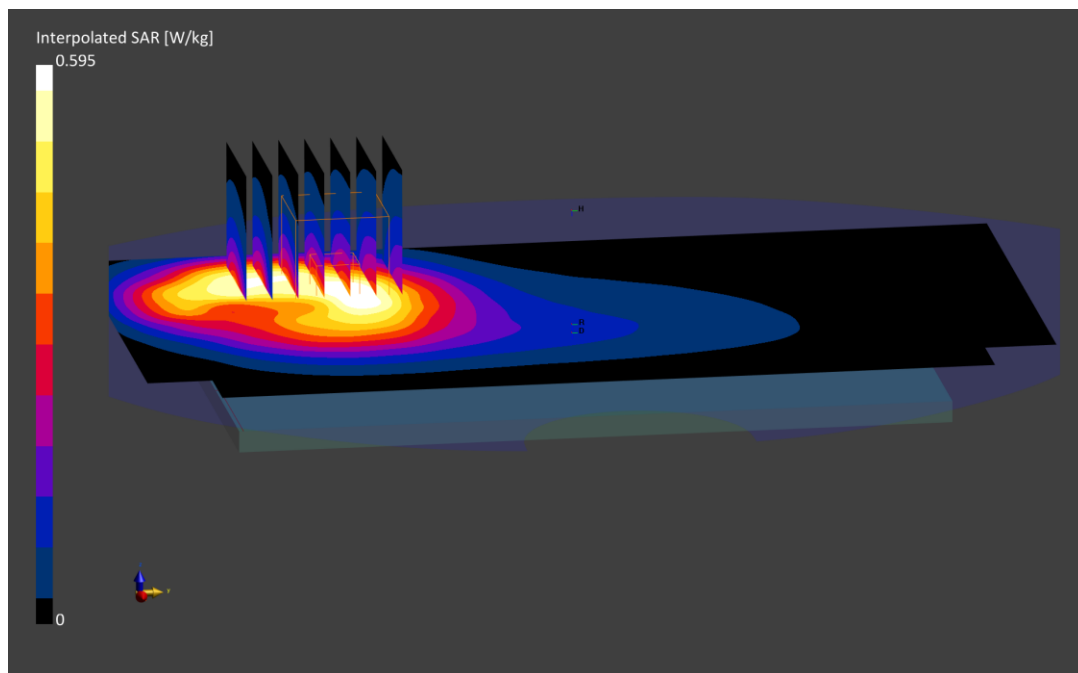
Reference Value = 0.32 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.340 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01203

Communication System: UID:10931 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.50 S/m; perm = 52.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/27/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.99,7.99,7.99); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n66, Body SAR, Front Side, Ch. 349000,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

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

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

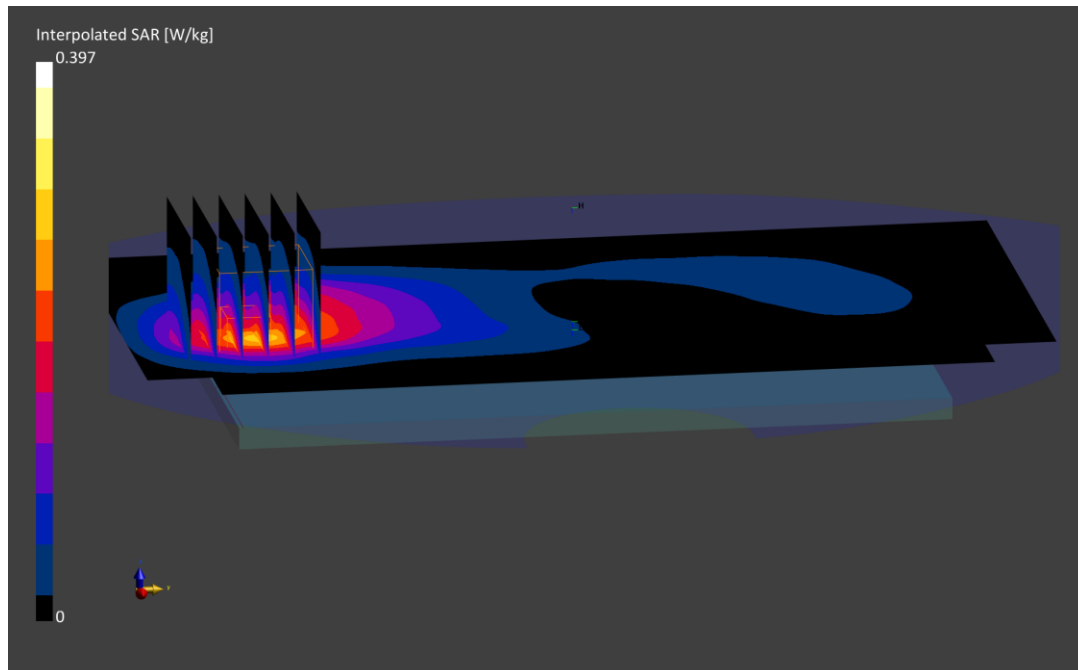
Reference Value = 0.22 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.234 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01146

Communication System: UID:10931 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.51 S/m; perm = 51.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/28/2022; Ambient Temp: 22.8°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.53,7.53,7.53); Calibrated: 2021-05-18

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n2, Body SAR, Back Side, Ch. 372000,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

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

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

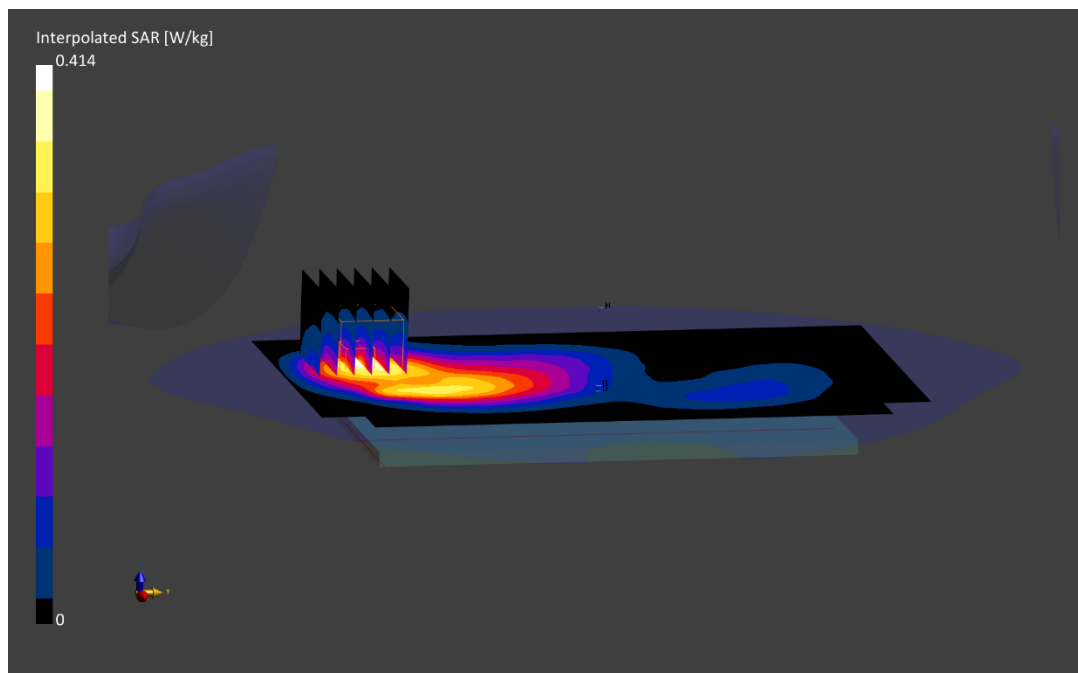
Reference Value = 0.20 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.230 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 81.5 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17746

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

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.19 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/25/2022; Ambient Temp: 22.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.24,7.24,7.24); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n41, Body SAR, Back Side, Ch. 518598,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 69 RB Offset**

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

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

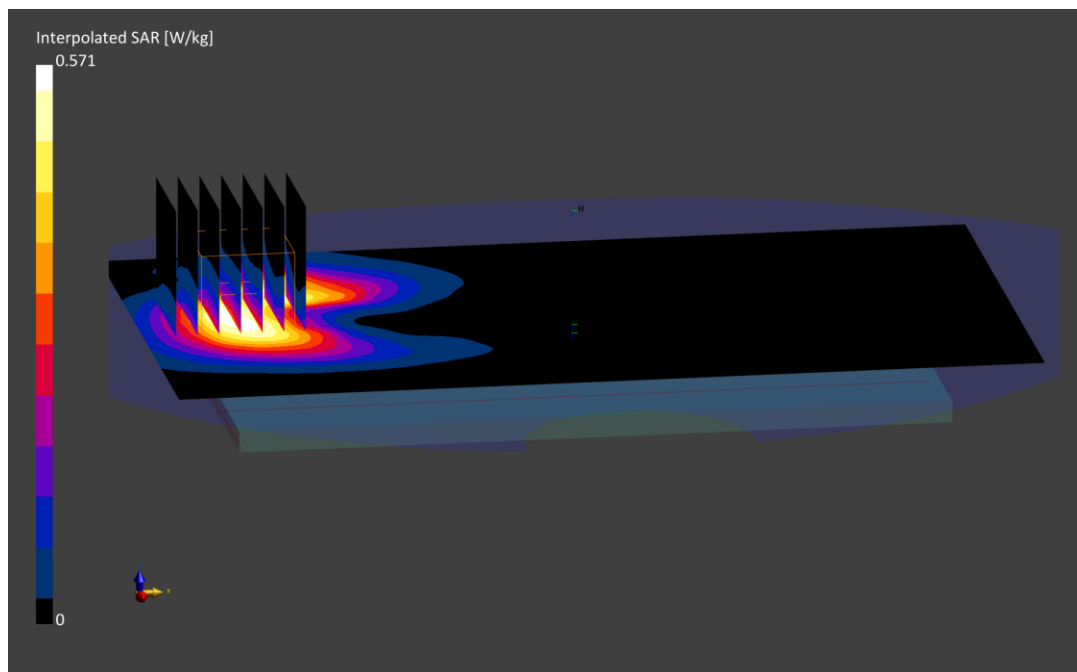
Reference Value = 0.24 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.270 W/kg

Smallest distance from peaks to all points 3 dB below is 11.0 mm

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01062

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

Medium: 3600 Body; Medium parameters used:

f = 3930.0 MHz; cond = 3.69 S/m; perm = 49.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/06/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7661; ConvF:(6.51,6.51,6.51); Calibrated: 2021-06-28

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n77 Cellular Main 1 Antenna, Body SAR, Back Side, Ch. 662000
100 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

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

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

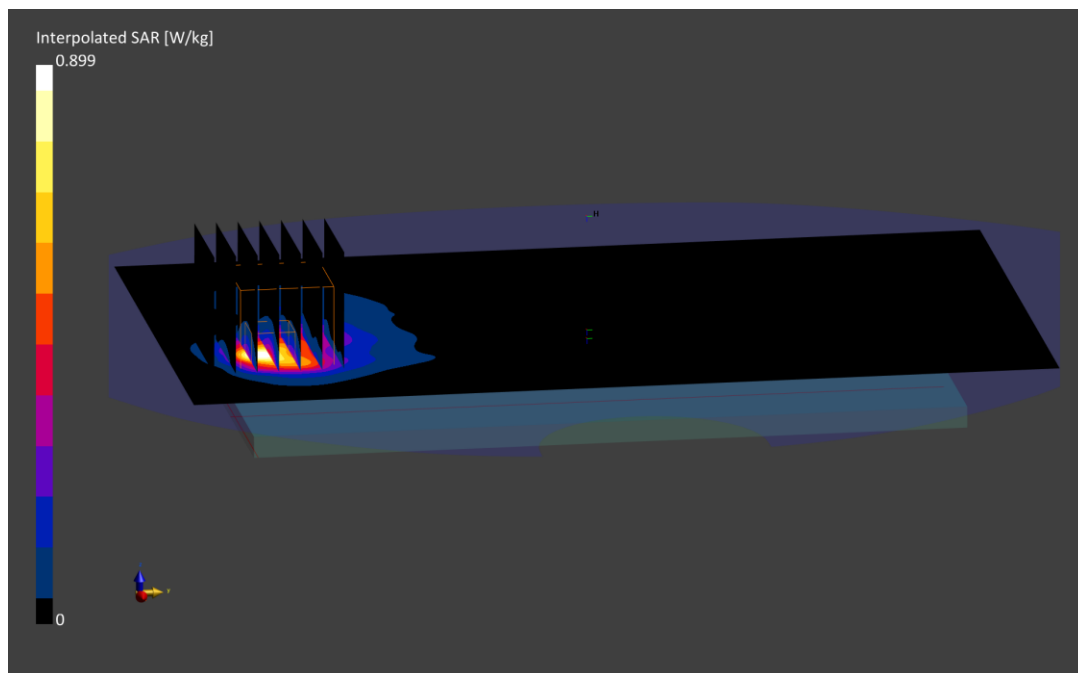
Reference Value = 0.23 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.329 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17761

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

Medium: 835 Body; Medium parameters used:

f = 836.6 MHz; cond = 0.955 S/m; perm = 53.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/03/2022; Ambient Temp: 20.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(9.66,9.66,9.66); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

Mode: GPRS 850, Body SAR, Back Side, Mid Ch. 4 Tx Slots

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

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

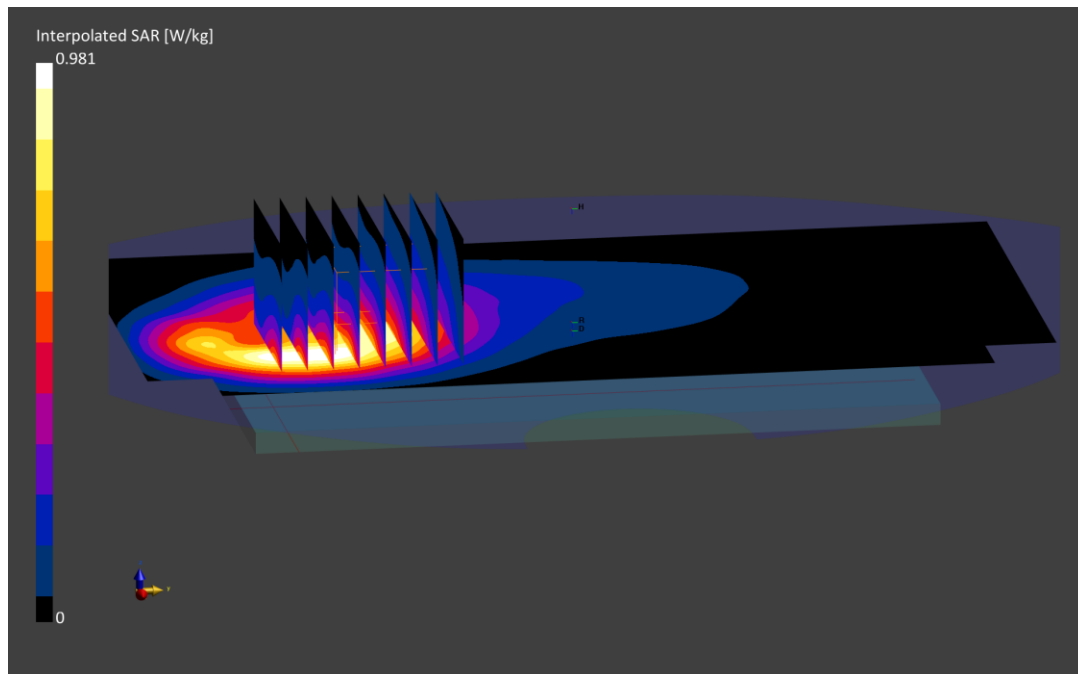
Reference Value = 0.47 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.981 W/kg

SAR(1 g) = 0.582 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.59 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/04/2022; Ambient Temp: 24.7°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7410; ConvF:(7.7,7.7,7.7); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

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

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

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

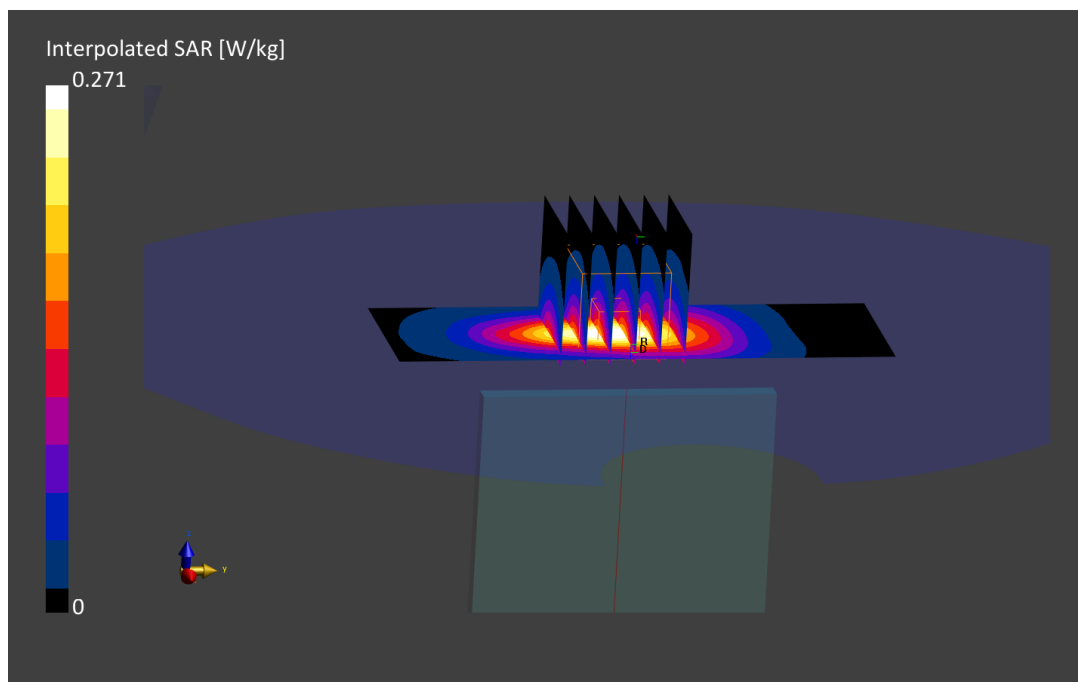
Reference Value = 0.15 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.155 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

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

Medium: 1900 Body; Medium parameters used:

f = 1907.6 MHz; cond = 1.55 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.7,7.7,7.7); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

Mode: UMTS 1900, Body SAR, Bottom Edge, High Ch.

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

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

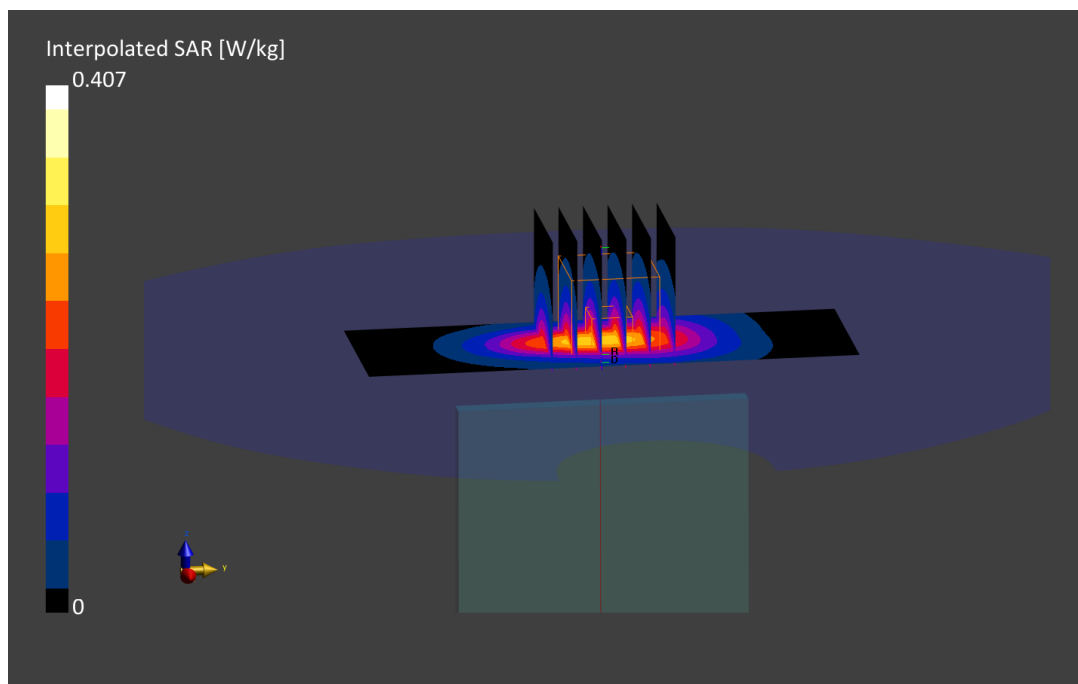
Reference Value = 0.23 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.237 W/kg

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

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



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17753

Communication System: UID:10154 - CAG, LTE-FDD; MAIA: Y; Frequency: 707.5 MHz

Medium: 750 Body; Medium parameters used:

f = 707.5 MHz; cond = 0.928 S/m; perm = 54.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/04/2022; Ambient Temp: 20.3°C; Tissue Temp: 20.5°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 12, Cellular Sub Antenna, Body SAR, Right Edge, Mid Ch, 10 MHz
Bandwidth, QPSK, 25 RB, 0 RB Offset**

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

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

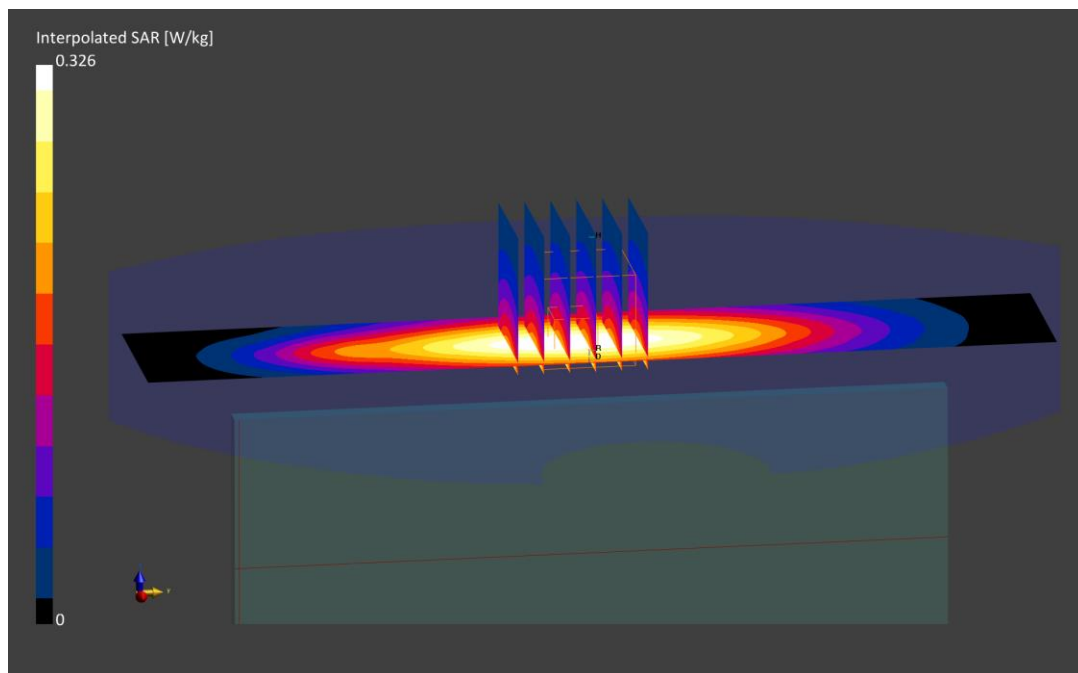
Reference Value = 0.17 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.201 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 = 83.5 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17779

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

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.50 S/m; perm = 50.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/01/2022; Ambient Temp: 21.9°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.7,7.7,7.7); Calibrated: 2021-07-20

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 25, Body SAR, Bottom edge, Low Ch,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

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

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

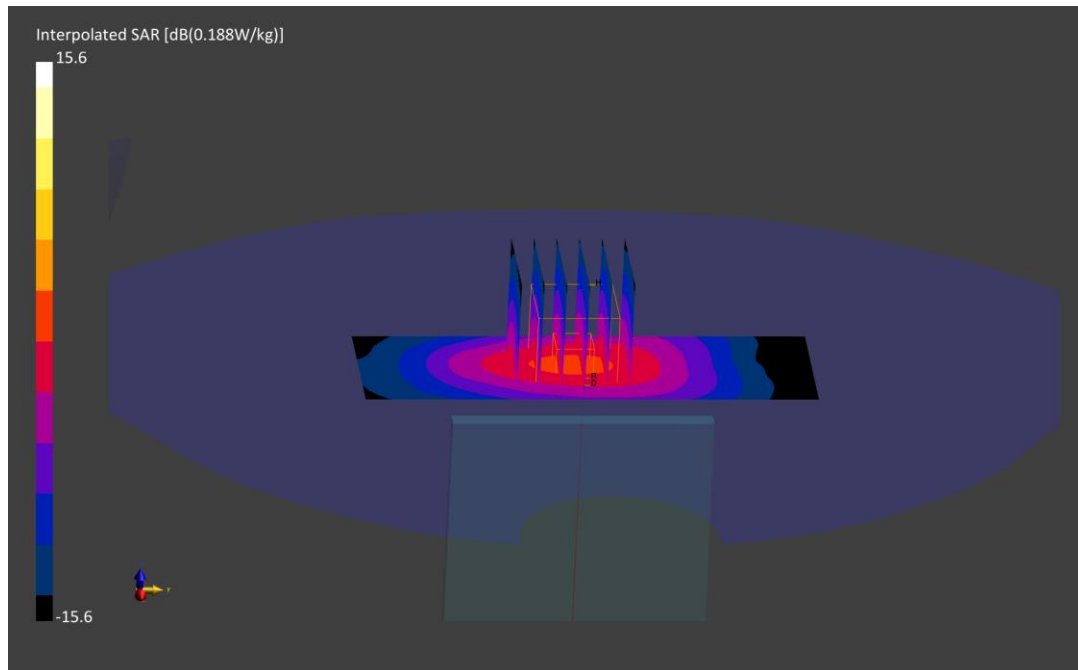
Reference Value = 0.17 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.178 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 85.1 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1880.0 MHz; cond = 1.57 S/m; perm = 53.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/13/2022; Ambient Temp: 24.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7713; ConvF:(8.17,8.17,8.17); Calibrated: 2022-02-04

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1530; Calibrated: 2022-01-12

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 2, Body SAR, Top Edge, Mid Ch,
20 MHz Bandwidth, QPSK, 1 RB, 99 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

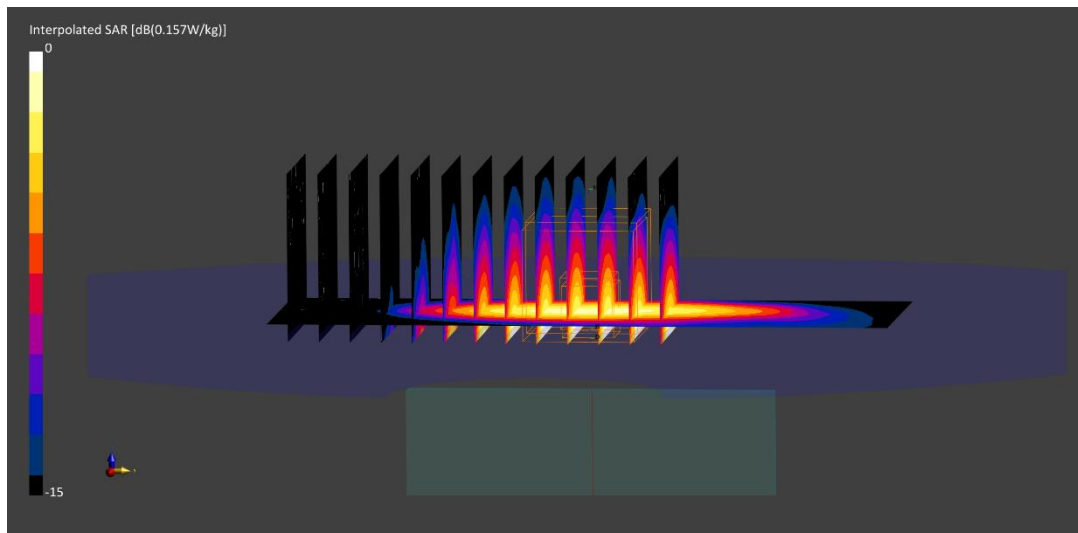
Reference Value = 0.07 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.087 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 83.4 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17787

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

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.13 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/10/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.8°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.65

**Mode: LTE Band 41, Body SAR, Bottom Edge, Mid Ch.,
20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

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

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

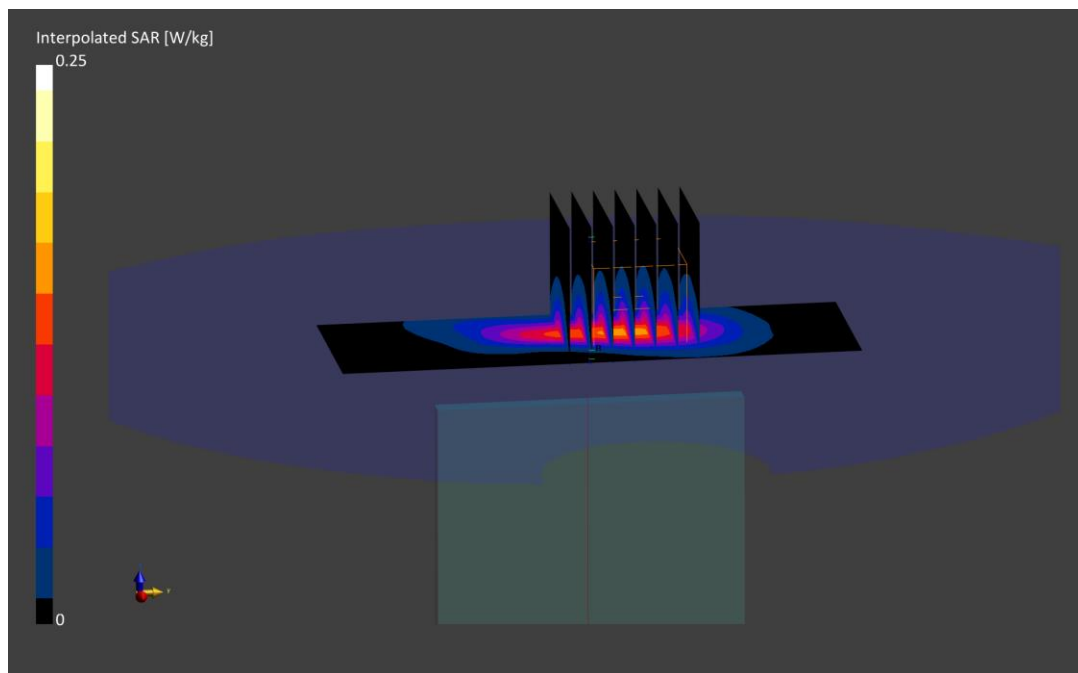
Reference Value = 0.15 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.120 W/kg

Smallest distance from peaks to all points 3 dB below is 10.0 mm

Ratio of SAR at M2 to SAR at M1 = 78.0 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01203

Communication System: UID:10931 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1745.0 MHz; cond = 1.50 S/m; perm = 52.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/27/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.99,7.99,7.99); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n66, Body SAR, Bottom Edge, Ch. 349000,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

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

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

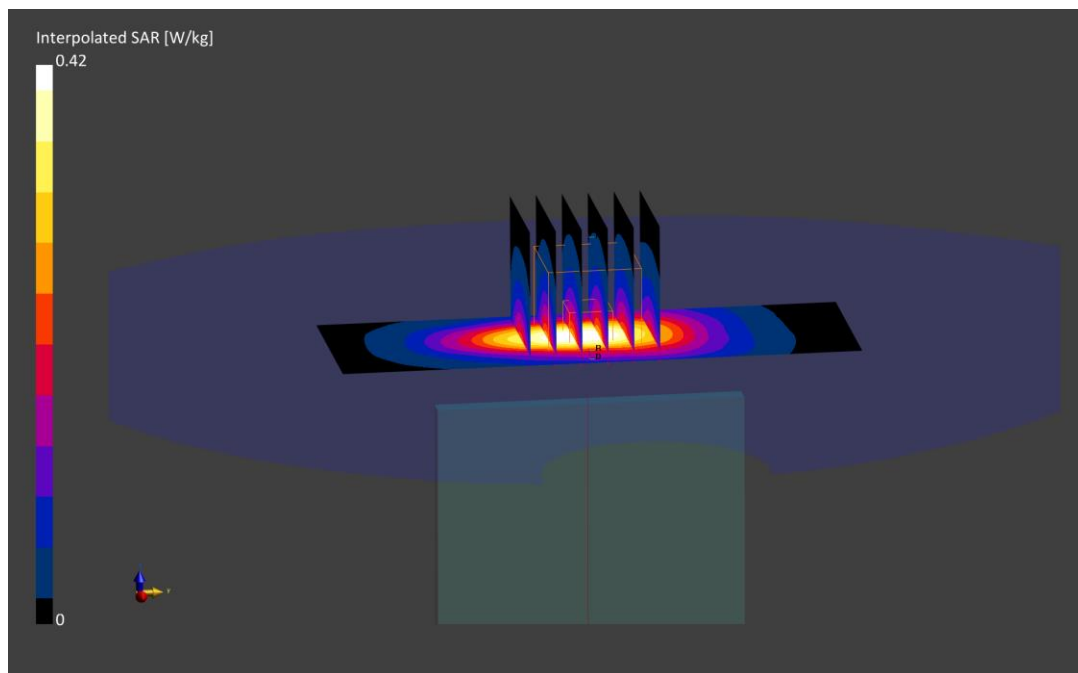
Reference Value = 0.23 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.420 W/kg

SAR(1 g) = 0.243 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 = 83.4 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 17746

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

Medium: 2450 Body; Medium parameters used:

$f = 2593.0$ MHz; $\text{cond} = 2.19$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/25/2022; Ambient Temp: 22.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.24,7.24,7.24); Calibrated: 2021-06-21

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n41, Phablet SAR, Back Side, Ch. 518598,
100 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.1$ mm, $dy=3.1$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

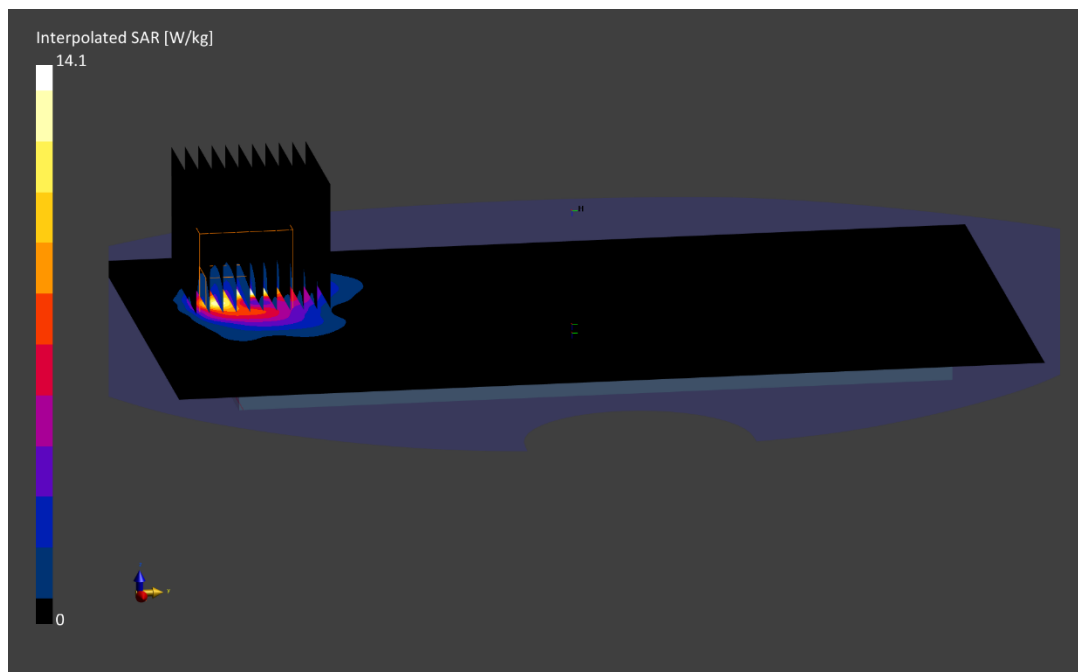
Reference Value = 2.24 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 14.1 W/kg

SAR(10 g) = 1.26 W/kg

Smallest distance from peaks to all points 3 dB below is 3.3 mm

Ratio of SAR at M2 to SAR at M1 = 66.0 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 01062

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

Medium: 3600 Body; Medium parameters used:

f = 3930.0 MHz; cond = 3.69 S/m; perm = 49.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/11/2022; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7661; ConvF:(6.51,6.51,6.51); Calibrated: 2021-06-28

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NR Band n77 Main 1, Phablet SAR, Back side, Ch. 662000,
100 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (110.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=2.1 mm, dy=2.1 mm, dz=1.4 mm; Graded Ratio: 1.5

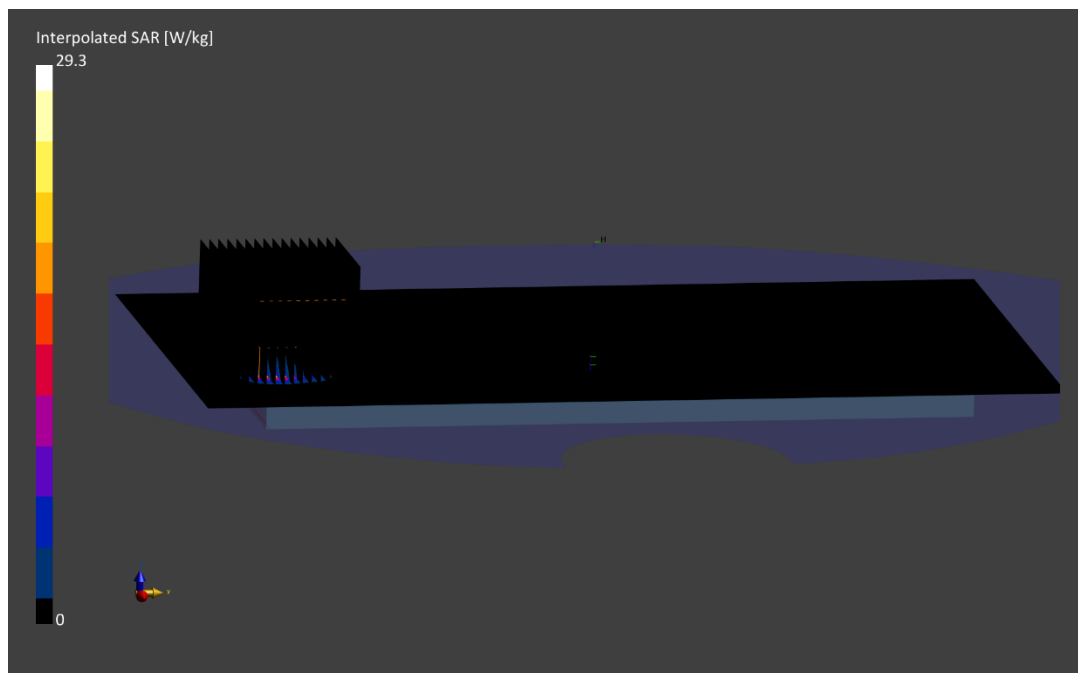
Reference Value = 3.38 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 29.3 W/kg

SAR(10 g) = 1.30 W/kg

Smallest distance from peaks to all points 3 dB below is 2.5 mm

Ratio of SAR at M2 to SAR at M1 = 60.4 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 12181

Communication System: UID:10554 - AAD, WLAN; MAIA: Y; Frequency: 5250.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5250.0 MHz; cond = 5.40 S/m; perm = 47.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/17/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7417; ConvF:(4.91,4.91,4.91); Calibrated: 2022-02-22

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: IEEE 802.11ac, 160 MHz Bandwidth, UNII-2A,
Chain 0, Ch. 50, Phablet SAR, Left Edge, 58.5 Mbps**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.1 mm, dy=3.1 mm, dz=1.2 mm; Graded Ratio: 1.2

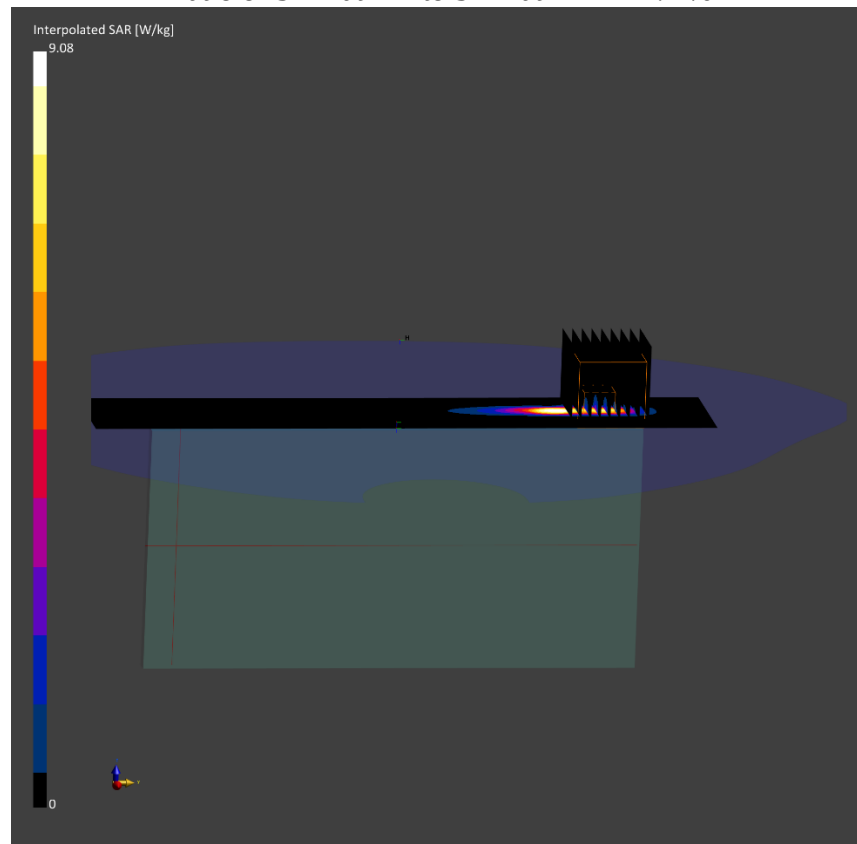
Reference Value = 3.30 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.08 W/kg

SAR(10 g) = 0.322 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 = 71.1 %



ELEMENT MATERIALS TECHNOLOGY

DUT: PY7-57325M; Type: Portable Handset; Serial: 12306

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

Medium: 30 Head; Medium parameters used:

$f = 13.6$ MHz; $\text{cond} = 0.724$ S/m; $\text{perm} = 53.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/18/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3914; ConvF:(18.18,18.18,18.18); Calibrated: 2021-05-18

Sensor-Surface: 1.4mm (All points)

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

Phantom: ELI V4.0; Serial: 1226

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NFC, Phablet SAR, Back Side

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.6$ mm, $dy=3.6$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

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

Peak SAR (extrapolated) = 0.209 W/kg

SAR(10 g) = 0.010 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 = 52.1 %

