

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

Medium: 835 Head; Medium parameters used:

$f = 836.6$ MHz; $\text{cond} = 0.938$ S/m; $\text{perm} = 40.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Section; Space: 0.00 mm

Test Date: 07/18/2022; Ambient Temp:21.3°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7640; ConvF:(10.54,10.54,10.54); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

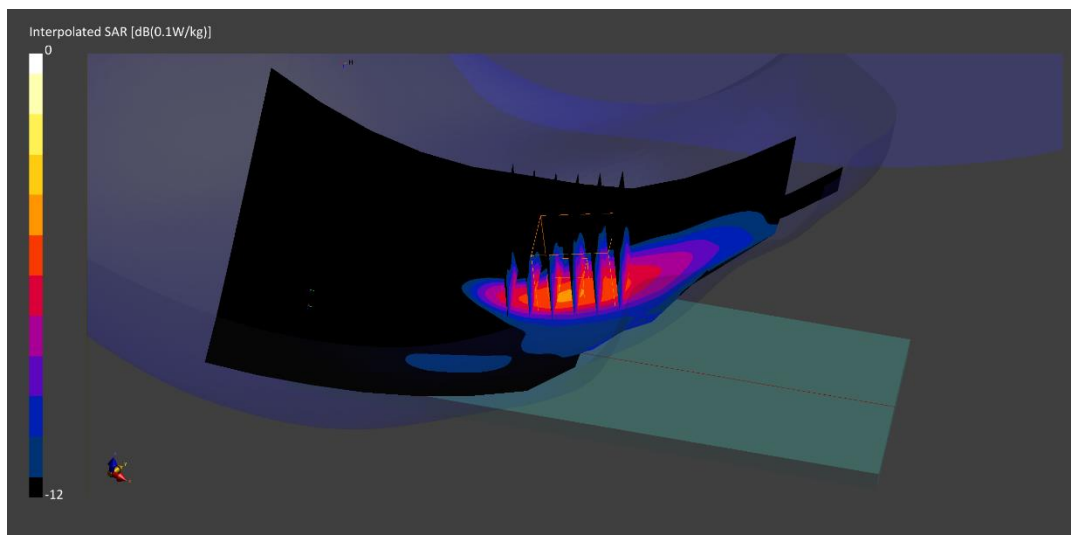
Reference Value = 0.17 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.183 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 = 92.8 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1104M

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

Medium: 1900 Head; Medium parameters used:

$f = 1850.2$ MHz; $\text{cond} = 1.40$ S/m; $\text{perm} = 38.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Section; Space: 0.00 mm

Test Date: 07/13/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7552; ConvF:(8.08,8.08,8.08); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: GSM 1900, 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

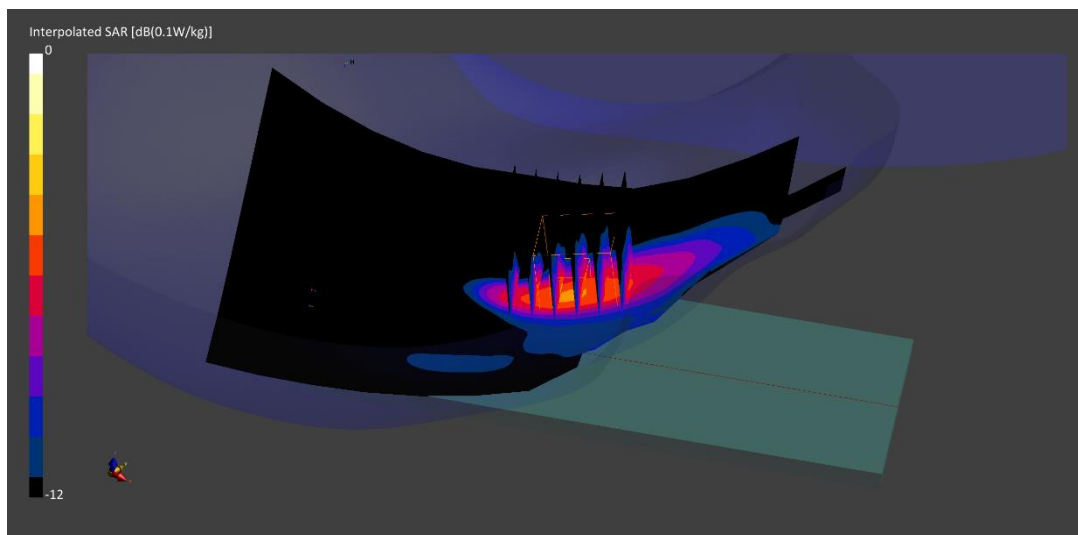
Reference Value = 0.01 W/kg; Power Drift = -0.03 dB

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 = 86.1 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

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

$f = 846.6 \text{ MHz}$; $\sigma = 0.934 \text{ S/m}$; $\epsilon_r = 42.279$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section; Space: 0.00 mm

Test Date: 06/29/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7402; ConvF(10.22, 10.22, 10.22) @ 846.6 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

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

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

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

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

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

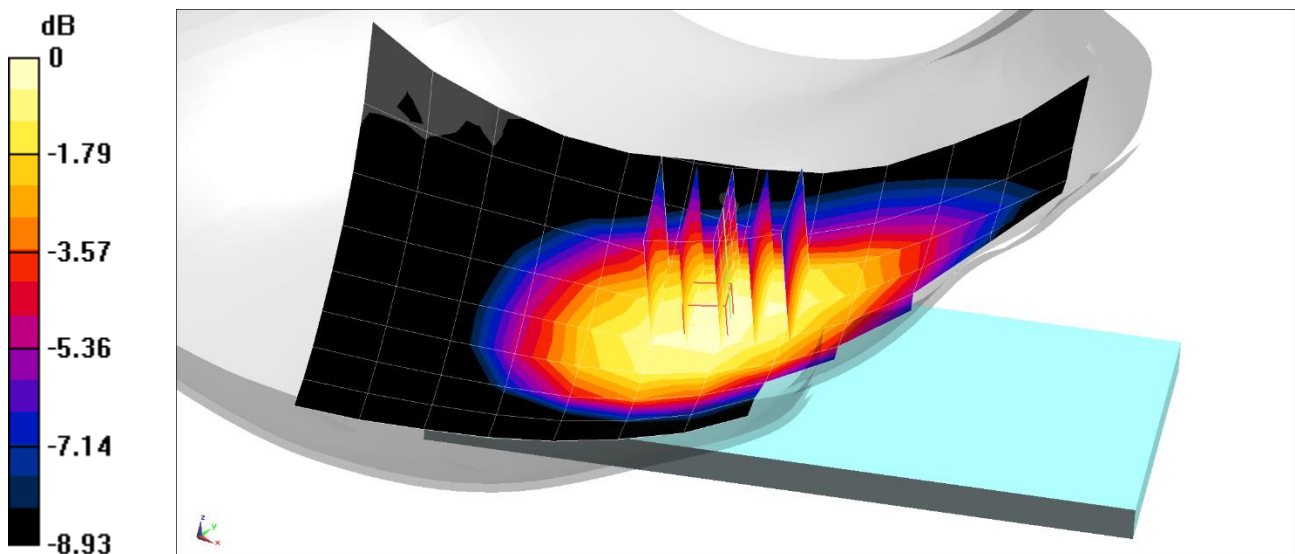
Reference Value = 15.03 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.205 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 79.9%



0 dB = 0.238 W/kg = -6.23 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

Medium: 750 Head; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.890$ S/m; $\text{perm} = 41.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Section; Space: 0.00 mm

Test Date: 07/20/2022; Ambient Temp: 20.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7640; ConvF:(10.82,10.82,10.82); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 12, 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

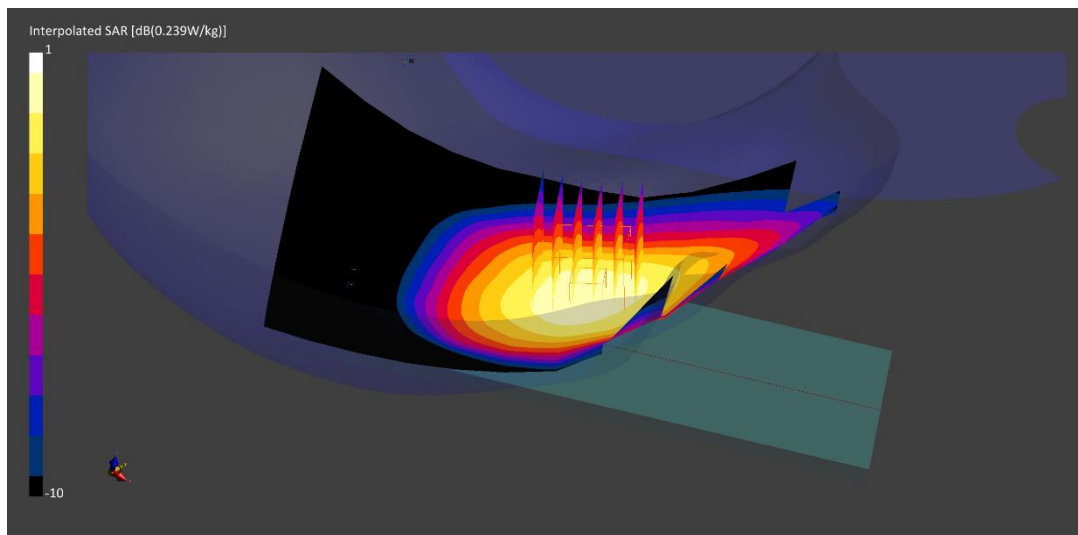
Reference Value = 0.21 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.222 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 = 94.9 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

Medium: 750 Head; Medium parameters used:

$f = 782.0$ MHz; $\text{cond} = 0.917$ S/m; $\text{perm} = 41.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Section; Space: 0.00 mm

Test Date: 07/20/2022; Ambient Temp: 20.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7640; ConvF:(10.82,10.82,10.82); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

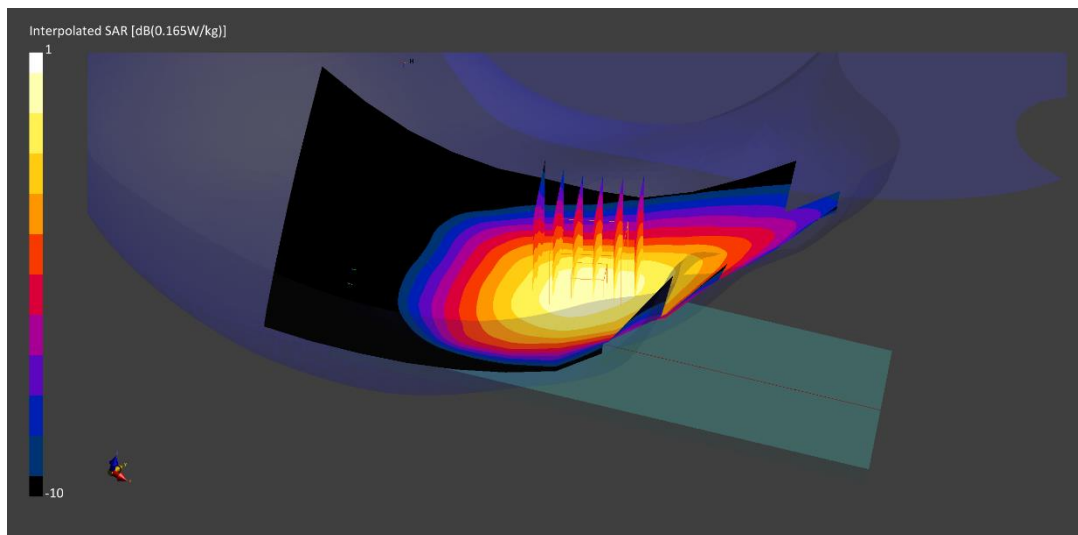
Reference Value = 0.14 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.150 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 = 93.6 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

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

$f = 831.5 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 42.307$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section; Space: 0.00 mm

Test Date: 06/29/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7402; ConvF(10.22, 10.22, 10.22) @ 831.5 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

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

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

Mode: LTE Band 26 (Cell.), Left Head, Cheek, Mid.ch
15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset

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

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

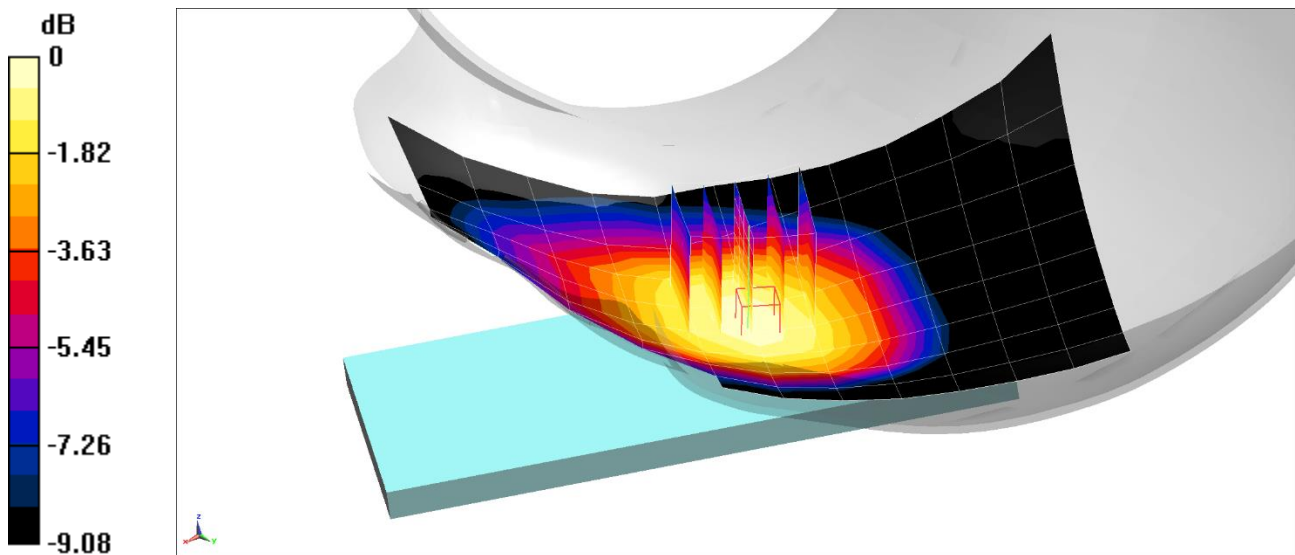
Reference Value = 13.52 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.153 W/kg

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

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



0 dB = 0.178 W/kg = -7.50 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1104M

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

Medium: 1750 Head; Medium parameters used:

$f = 1732.5$ MHz; $\text{cond} = 1.40$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Left Section; Space: 0.00 mm

Test Date: 07/17/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.5°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 V16.0.2.136

**Mode: LTE Band 4, Left Head, Cheek, Mid Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

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

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

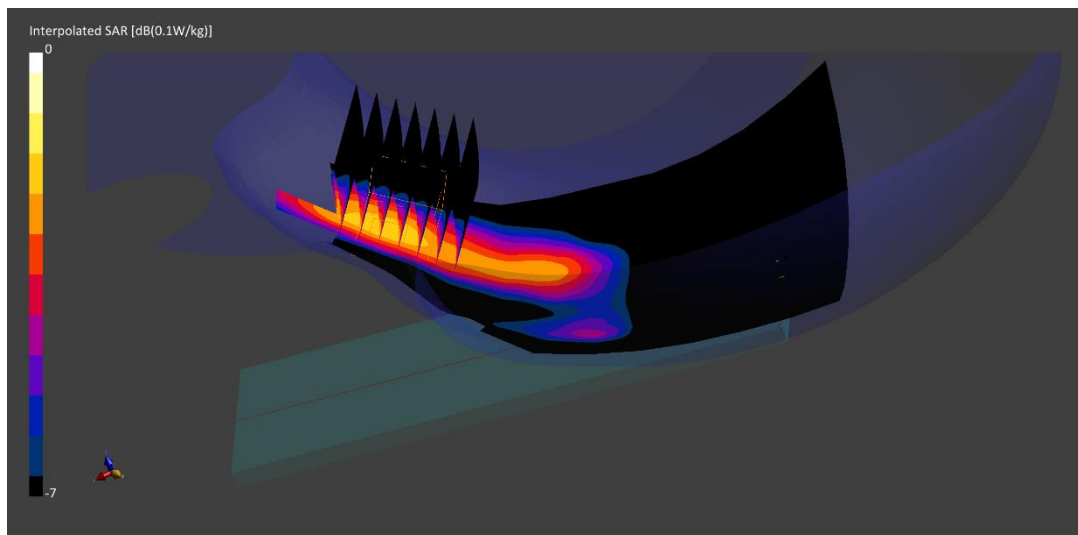
Reference Value = 0.06 W/kg; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.078 W/kg

SAR(1 g) = 0.052 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 = 88.9 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1094M

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

Medium: 2450 Head; Medium parameters used:

$f = 2636.5$ MHz; $\text{cond} = 1.96$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Left Section; Space: 0.00 mm

Test Date: 07/24/2022; Ambient Temp: 23.3°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7409; ConvF:(6.97,6.97,6.97); Calibrated: 2022-06-16

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 41, Left 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

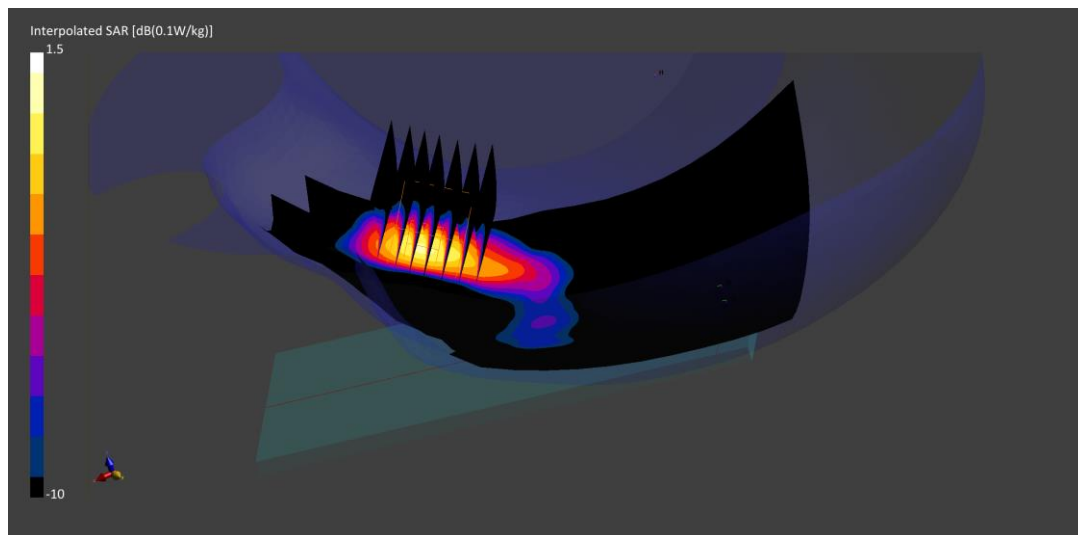
Reference Value = 0.07 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.076 W/kg

Smallest distance from peaks to all points 3 dB below is 7.1 mm

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1152M

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

Medium: 2450 Head; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 1.81$ S/m; $\text{perm} = 38.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Left Section; Space: 0.00 mm

Test Date: 07/14/2022; Ambient Temp: 22.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7409; ConvF:(7.21,7.21,7.21); Calibrated: 2022-06-16

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: IEEE 802.11b, Antenna 2, 22 MHz Bandwidth, Left Head, Cheek, Ch.11, 1 Mbps

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

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

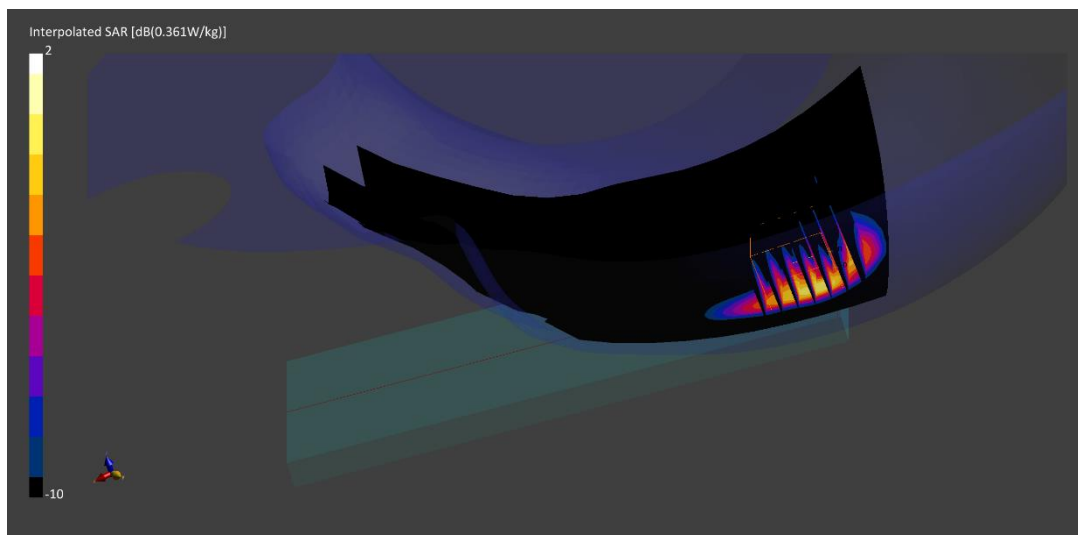
Reference Value = 0.20 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.517 W/kg

SAR(1 g) = 0.247 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1100M

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5290.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5290.0$ MHz; $\text{cond} = 4.60$ S/m; $\text{perm} = 35.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Section; Space: 0.00 mm

Test Date: 07/11/2022; Ambient Temp: 23.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7417; ConvF:(5.57,5.57,5.57); Calibrated: 2022-02-22

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: IEEE 802.11ac, U-NII-2A, MIMO, 80 MHz Bandwidth, Right Head, Cheek, Ch. 58, 58.5 Mbps

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

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

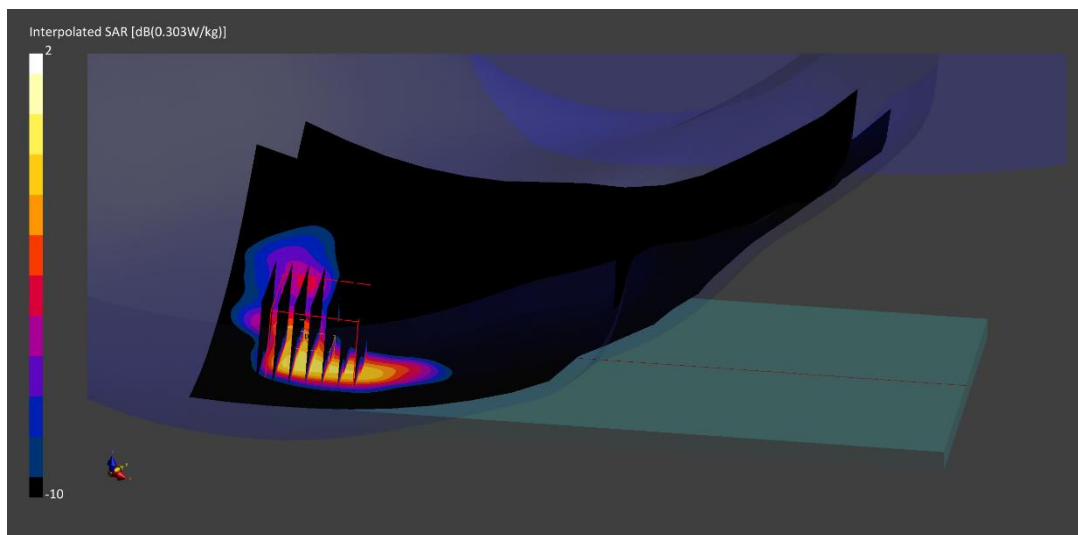
Reference Value = 0.35 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.241 W/kg

Smallest distance from peaks to all points 3 dB below is 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 60.1 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1100M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.82$ S/m; $\text{perm} = 39.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Left Section; Space: 0.00 mm

Test Date: 07/19/2022; Ambient Temp: 22.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7409; ConvF:(7.21,7.21,7.21); Calibrated: 2022-06-16

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

Mode: Bluetooth, Antenna 2, Left Head, Tilt, Ch. 0, 1 Mbps

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

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

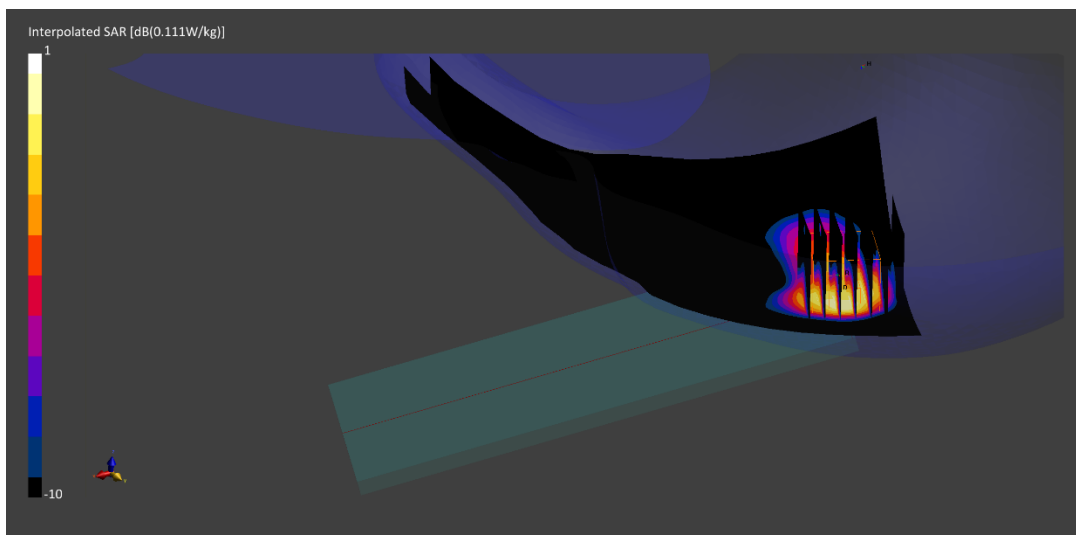
Reference Value = 0.07 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.092 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1192M

Communication System: UID 0, GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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

$f = 836.6 \text{ MHz}$; $\sigma = 1.004 \text{ S/m}$; $\epsilon_r = 55.041$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 15.00 mm

Test Date: 07/11/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 836.6 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

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

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

Mode: GSM 850, Closed, Body SAR, Back side, Mid.ch

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

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

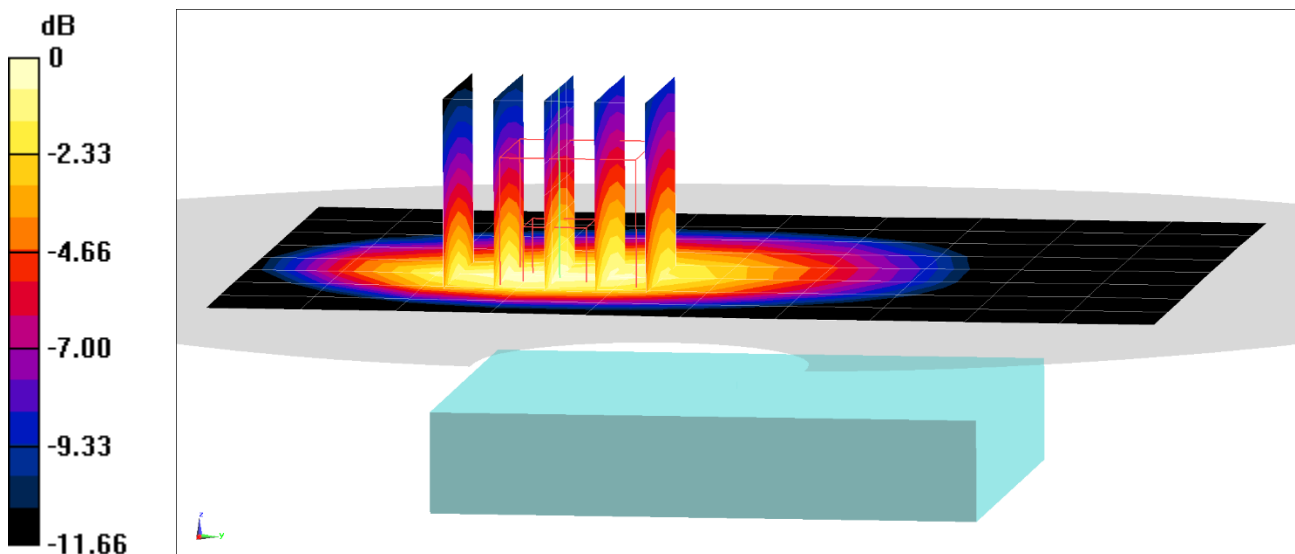
Reference Value = 13.16 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.161 W/kg

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

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



0 dB = 0.214 W/kg = -6.70 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1104M

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

Medium: 1900 Body; Medium parameters used:

$f = 1850.2$ MHz; $\text{cond} = 1.50$ S/m; $\text{perm} = 52.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/05/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.8°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: GSM 1900, Open, Body SAR, Back Side, Low Ch.

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

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

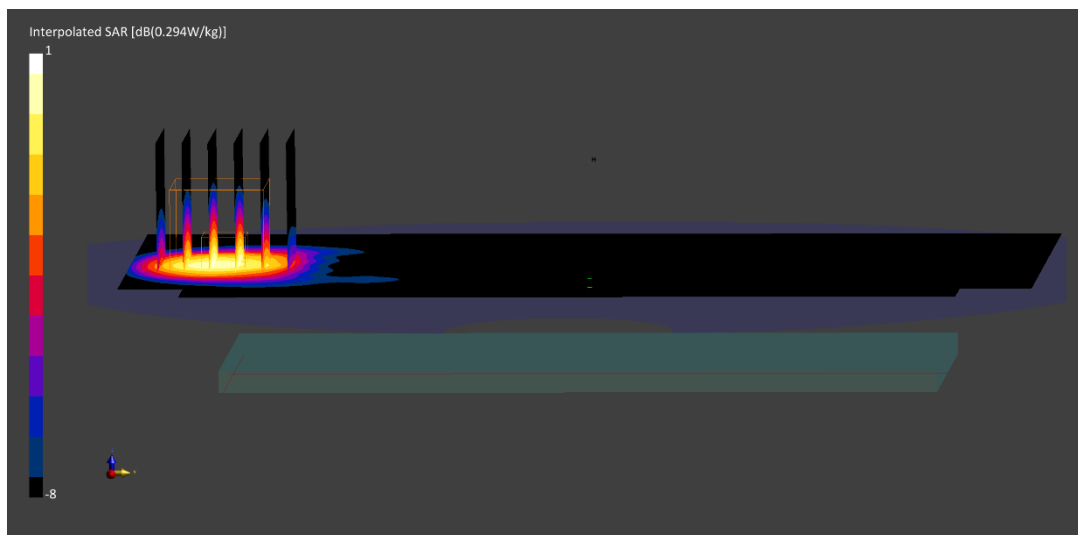
Reference Value = 0.34 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.284 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 = 84.5 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1192M

Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1
 Medium: 835 Body; Medium parameters used (interpolated):
 $f = 846.6 \text{ MHz}$; $\sigma = 1.018 \text{ S/m}$; $\epsilon_r = 54.562$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 15.00 mm

Test Date: 07/14/2022; Ambient Temp: 22.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 846.6 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

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

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

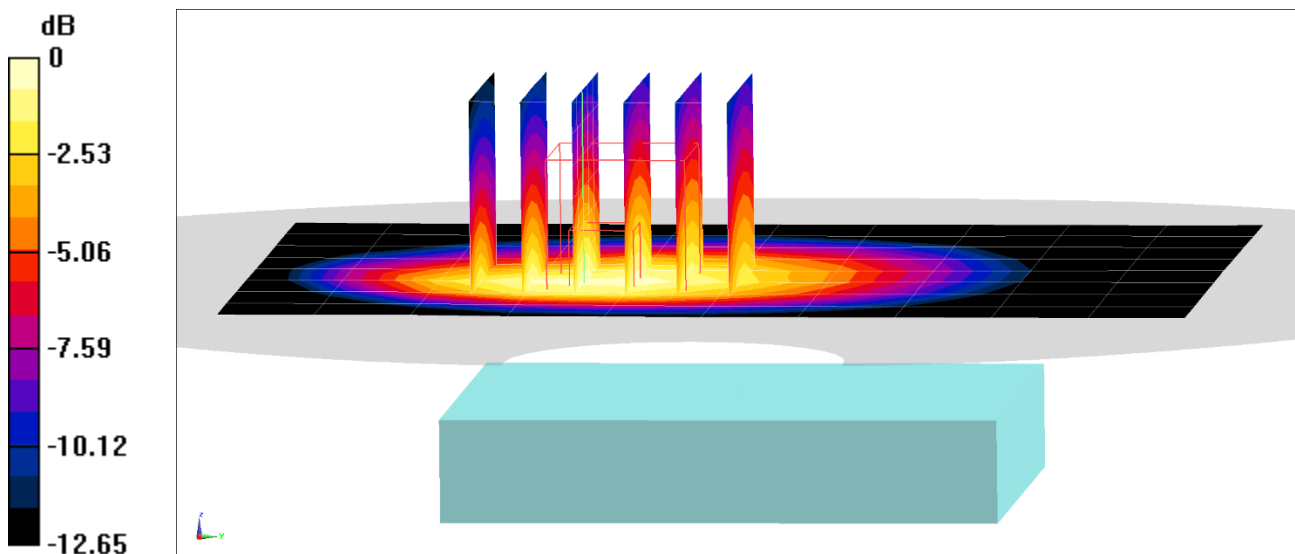
Reference Value = 17.55 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.295 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 66.1%



0 dB = 0.391 W/kg = -4.08 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

Medium: 750 Body; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.920$ S/m; $\text{perm} = 53.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/07/2022; Ambient Temp: 21.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 12, Open, Body SAR, Back Side, 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

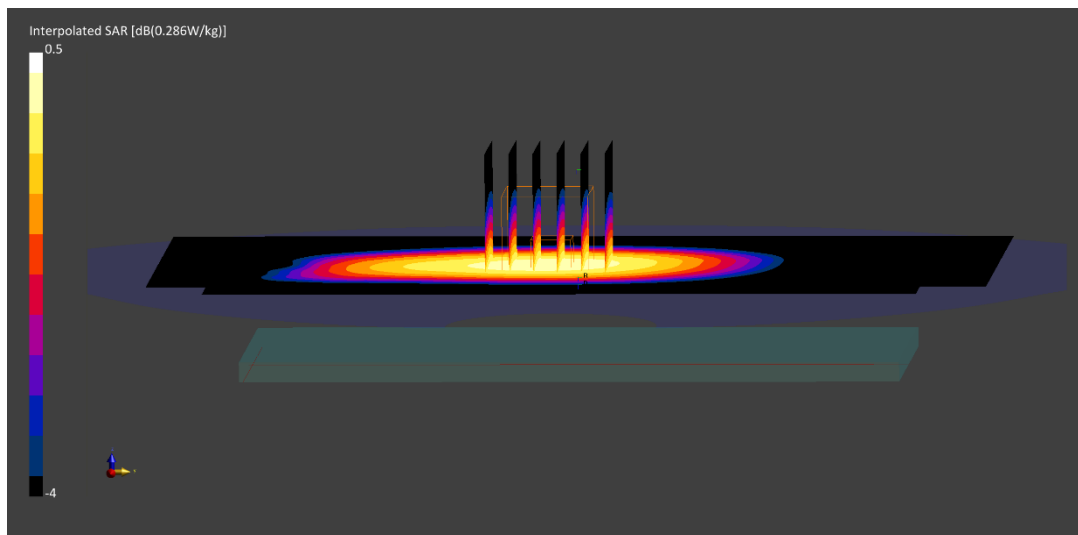
Reference Value = 0.27 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.270 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 = 88.2 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

Medium: 750 Body; Medium parameters used:

$f = 782.0$ MHz; $\text{cond} = 0.951$ S/m; $\text{perm} = 53.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/11/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

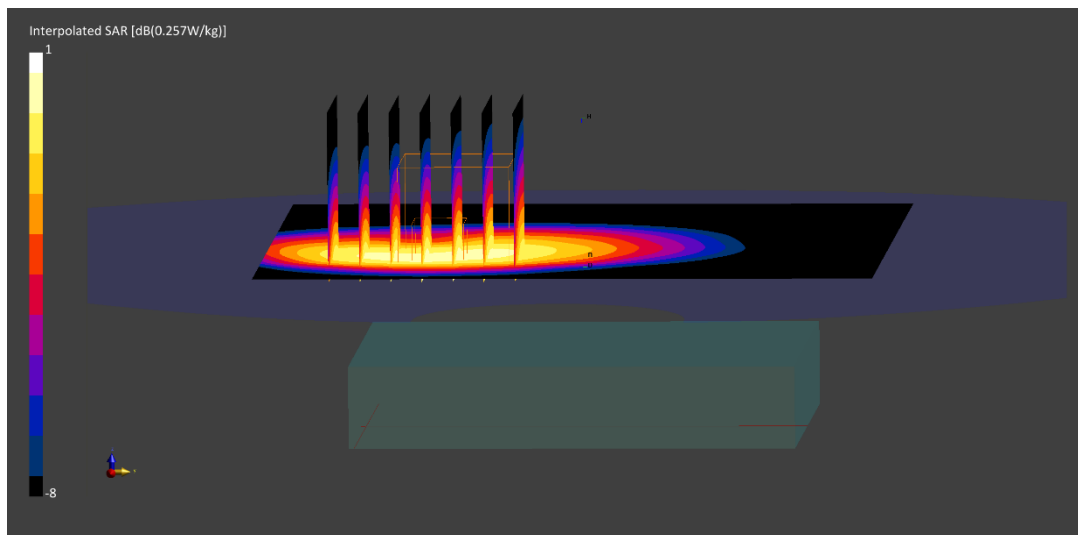
Reference Value = 0.24 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.232 W/kg

Smallest distance from peaks to all points 3 dB below is 18.0 mm

Ratio of SAR at M2 to SAR at M1 = 83.1 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1192M

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

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

$f = 831.5 \text{ MHz}$; $\sigma = 0.996 \text{ S/m}$; $\epsilon_r = 54.448$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 15.00 mm

Test Date: 07/18/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 831.5 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

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

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

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

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

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

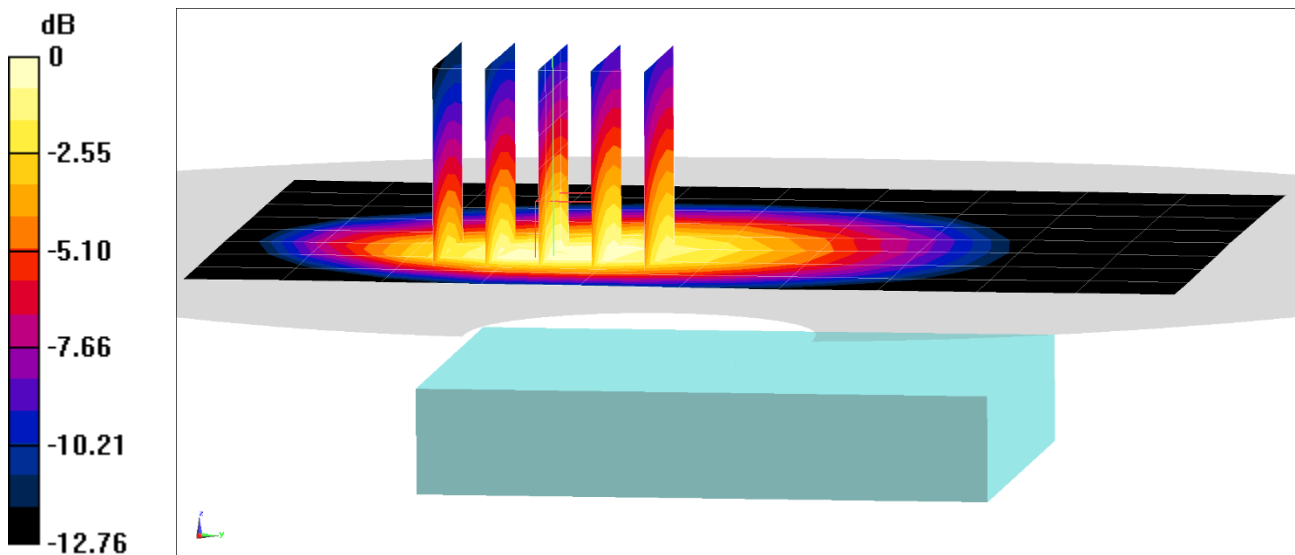
Reference Value = 16.02 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.240 W/kg

Smallest distance from peaks to all points 3 dB below = 18.3 mm

Ratio of SAR at M2 to SAR at M1 = 65%



0 dB = 0.321 W/kg = -4.93 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1098M

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

Medium: 1750 Body; Medium parameters used:

$f = 1732.5$ MHz; $\text{cond} = 1.52$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/11/2022; Ambient Temp: 20.5°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7660; ConvF:(9.22,9.22,9.22); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 4, Open, Body SAR, Back Side, Mid Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

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

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

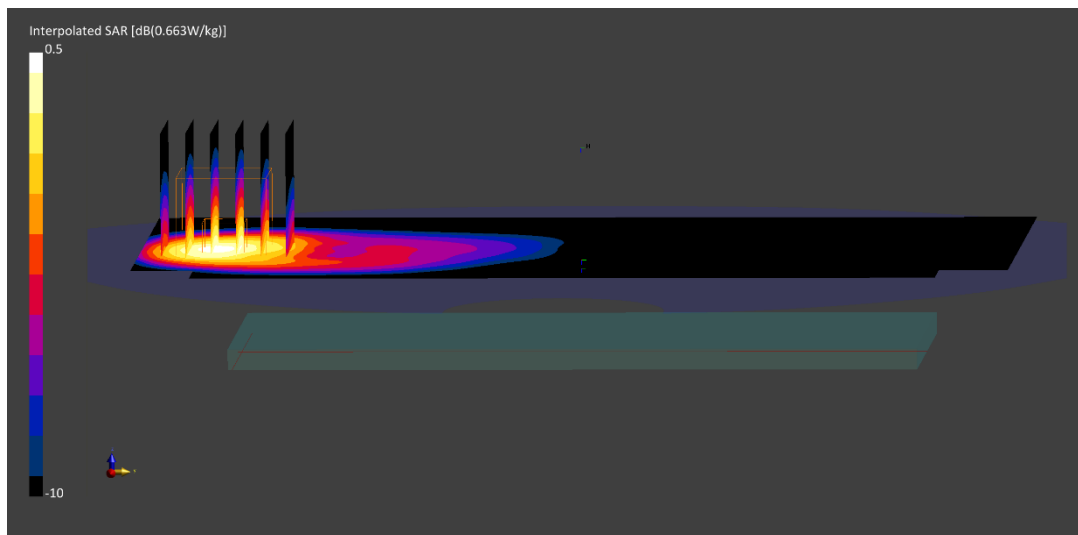
Reference Value = 0.51 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.966 W/kg

SAR(1 g) = 0.576 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 = 84.8 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1094M

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

Medium: 2450 Body; Medium parameters used:

$f = 2636.5$ MHz; $\text{cond} = 2.24$ S/m; $\text{perm} = 50.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/05/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: LTE Band 41 ULCA, Open, Body SAR, Back Side, Mid-high Ch.,

PCC: Ch. 41055, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

SCC: Ch. 40857, 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

Area Scan (120.0 x 220.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

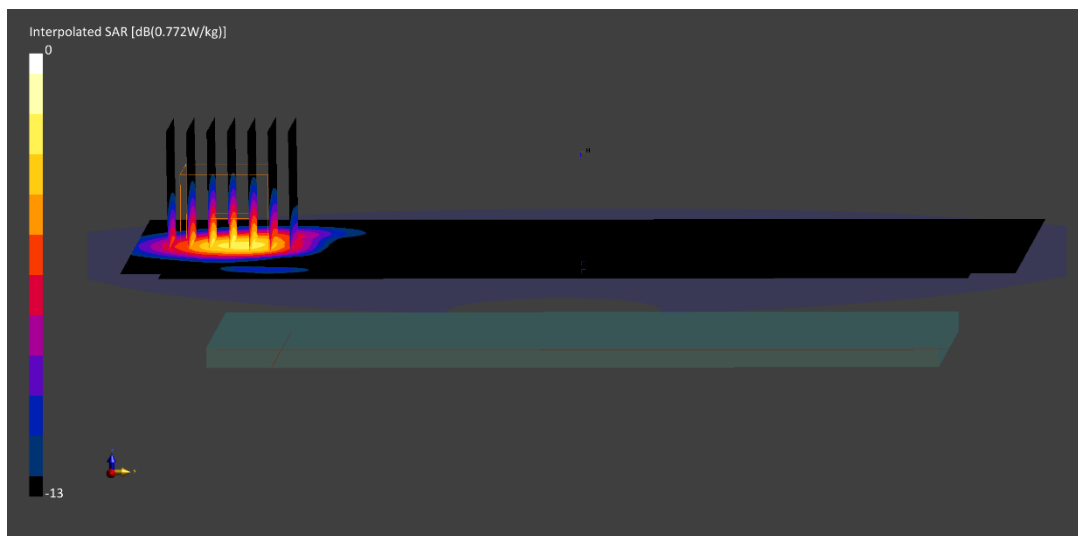
Reference Value = 0.43 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.772 W/kg

SAR(1 g) = 0.383 W/kg

Smallest distance from peaks to all points 3 dB below is 11.7 mm

Ratio of SAR at M2 to SAR at M1 = 79.1 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1152M

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

Medium: 2450 Body; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 2.00$ S/m; $\text{perm} = 51.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/05/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7552; ConvF:(7.44,7.44,7.44); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: IEEE 802.11b, Open, 22 MHz Bandwidth, Antenna 2, Body SAR, Back Side, Ch. 11, 1 Mbps

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

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

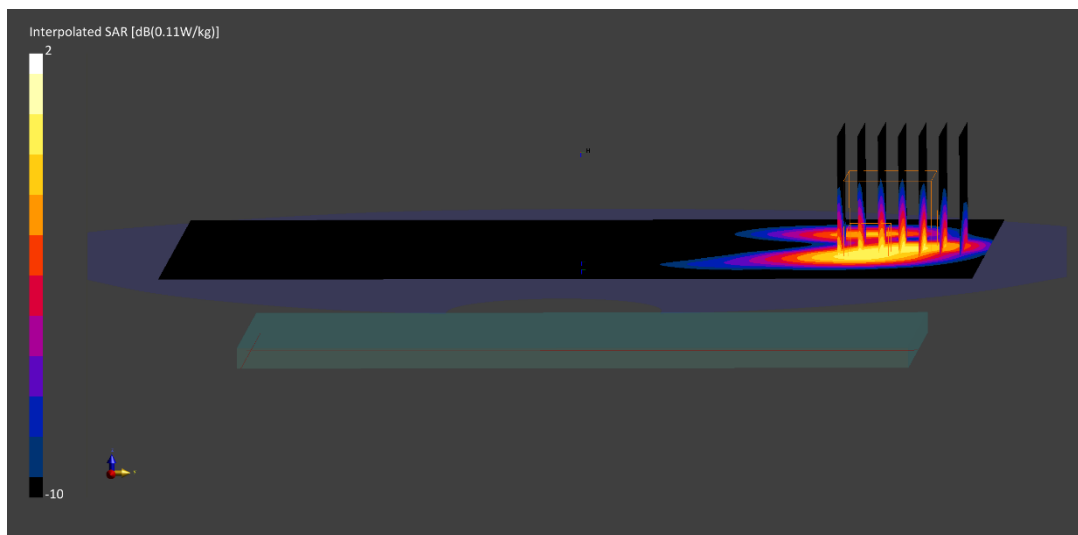
Reference Value = 0.10 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.088 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 81.2 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1100M

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

Medium: 5200-5800 Body; Medium parameters used:

$f = 5260.0$ MHz; $\text{cond} = 5.43$ S/m; $\text{perm} = 48.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/05/2022; Ambient Temp: 22.1 C; Tissue Temp: 20.8 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 801.11n, Open, 20 MHz Bandwidth, UNII-2A, MIMO, Ch. 52,
Body SAR, Back Side, 13 Mbps**

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

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

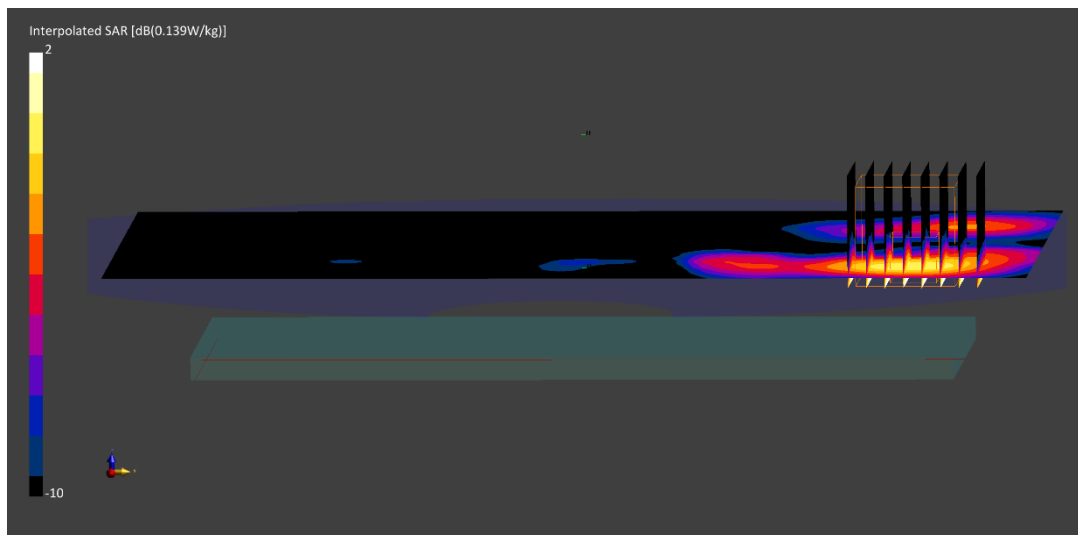
Reference Value = 0.16 W/kg; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.317 W/kg

SAR(1 g) = 0.102 W/kg

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

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1100M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.92$ S/m; $\text{perm} = 51.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/05/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7552; ConvF:(7.44,7.44,7.44); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: Bluetooth, Open, Antenna 2, Body SAR, Ch. 0, 1Mbps, Back Side

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

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

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

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.048 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 = 79.8 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1192M

Communication System: UID 0, GSM GPRS; 4 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:2.076

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

$f = 848.8 \text{ MHz}$; $\sigma = 1.021 \text{ S/m}$; $\epsilon_r = 54.543$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 5.00 mm

Test Date: 07/14/2022; Ambient Temp: 22.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 848.8 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

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

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

Mode: GPRS 850, Closed, Body SAR, Back side, High.ch, 4 Tx Slots

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

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

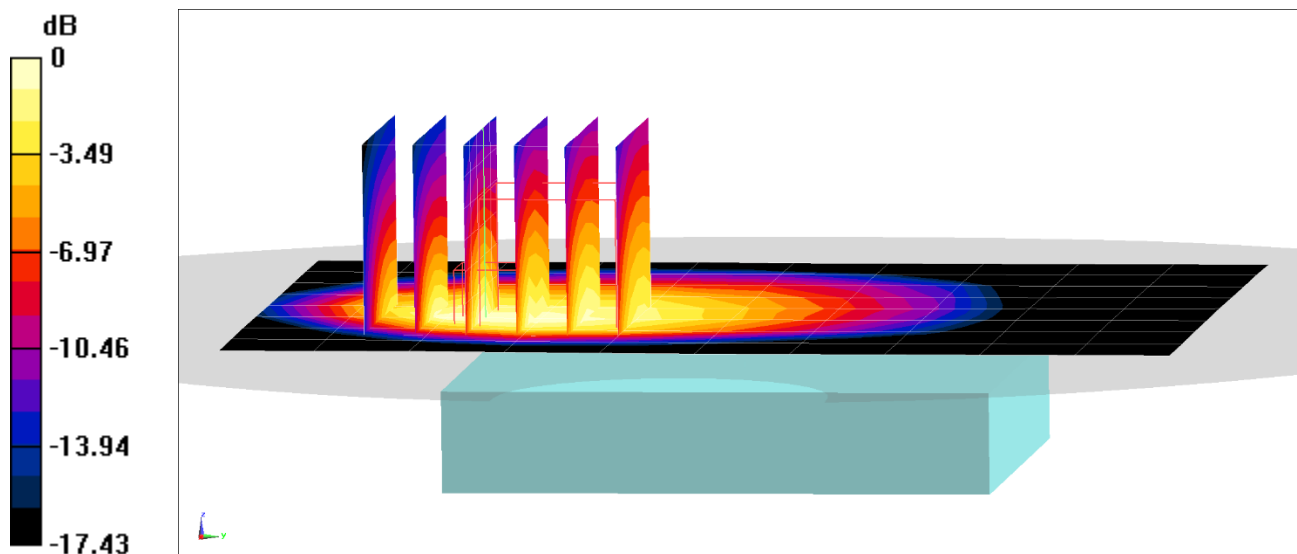
Reference Value = 21.06 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.781 W/kg

SAR(1 g) = 0.413 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 54.1%



0 dB = 0.626 W/kg = -2.03 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1104M

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

Medium: 1900 Body; Medium parameters used:

$f = 1909.8$ MHz; $\text{cond} = 1.56$ S/m; $\text{perm} = 52.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/21/2022; Ambient Temp: 20.9°C; Tissue Temp: 21.6°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

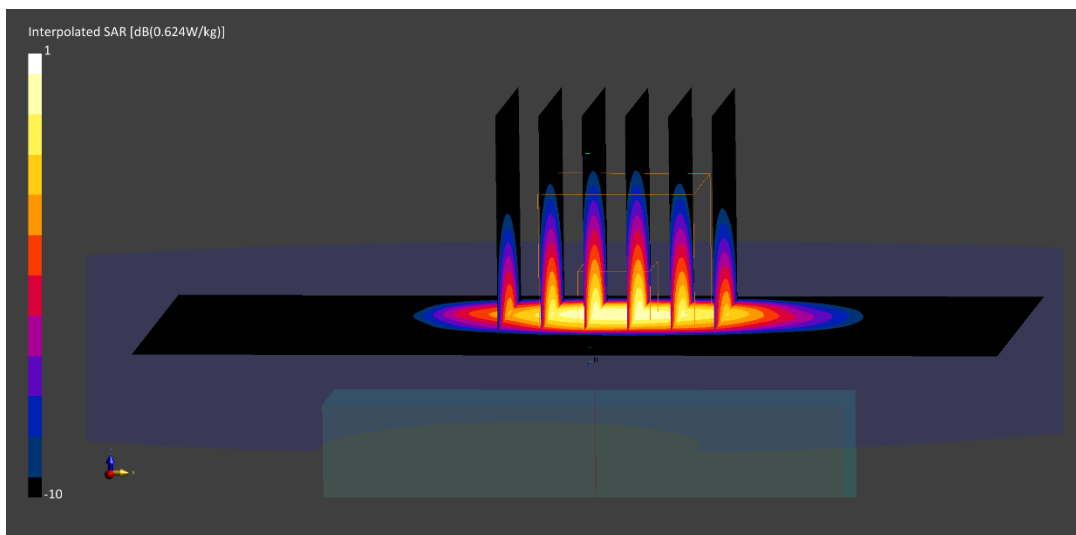
Reference Value = 0.66 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.533 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1192M

Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1
 Medium: 835 Body; Medium parameters used (interpolated):
 $f = 846.6 \text{ MHz}$; $\sigma = 1.018 \text{ S/m}$; $\epsilon_r = 54.562$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 5.00 mm

Test Date: 07/14/2022; Ambient Temp: 22.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 846.6 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

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

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

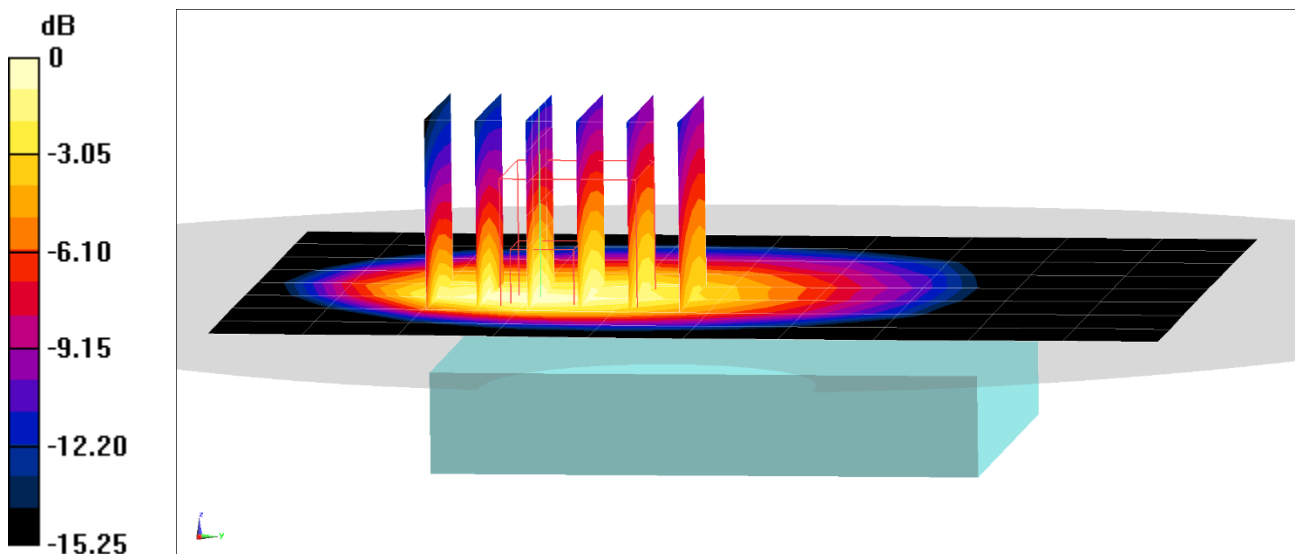
Reference Value = 30.25 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.883 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 60.7%



0 dB = 1.22 W/kg = 0.86 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

Medium: 750 Body; Medium parameters used:

$f = 707.5$ MHz; $\text{cond} = 0.924$ S/m; $\text{perm} = 53.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/11/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 12, Closed, Body SAR, Back Side, Mid Ch,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

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

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

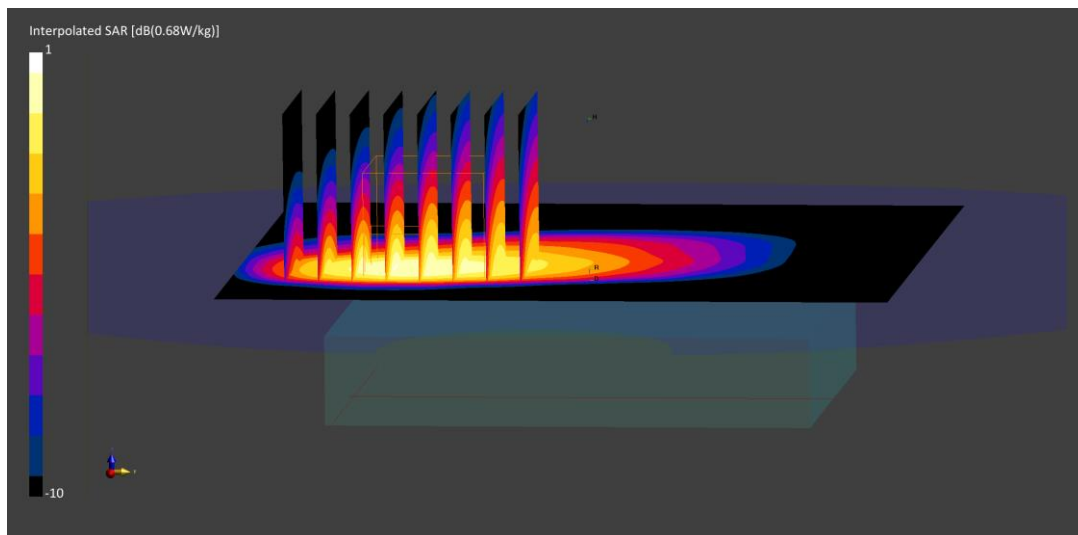
Reference Value = 0.65 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.635 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 = 81.3 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1175M

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

Medium: 750 Body; Medium parameters used:

$f = 782.0$ MHz; $\text{cond} = 0.951$ S/m; $\text{perm} = 53.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/11/2022; Ambient Temp: 22.1°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

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

Measurement SW: DASY Module SAR V16.0.2.136

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

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

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

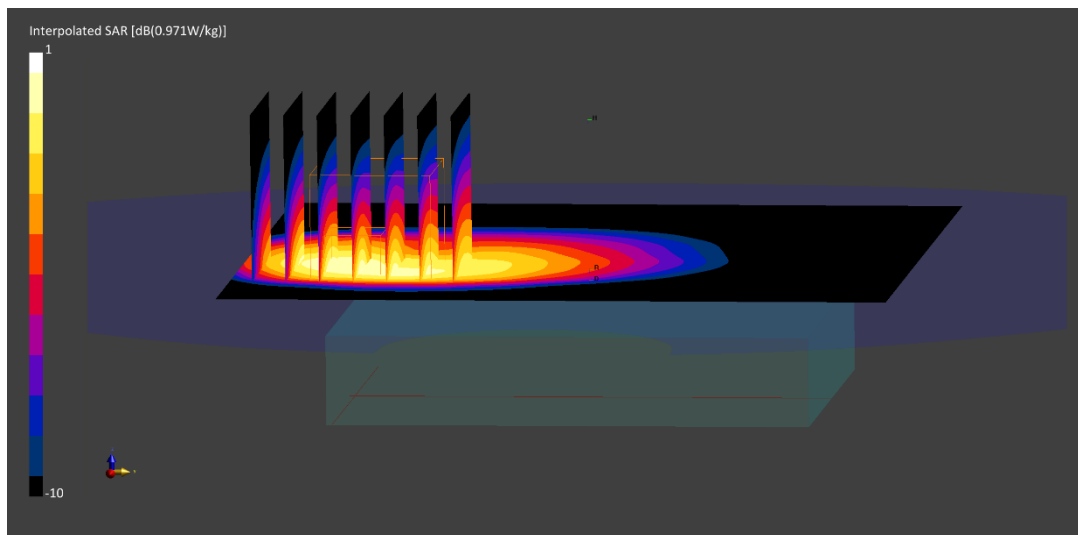
Reference Value = 0.83 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.836 W/kg

Smallest distance from peaks to all points 3 dB below is 10.2 mm

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1192M

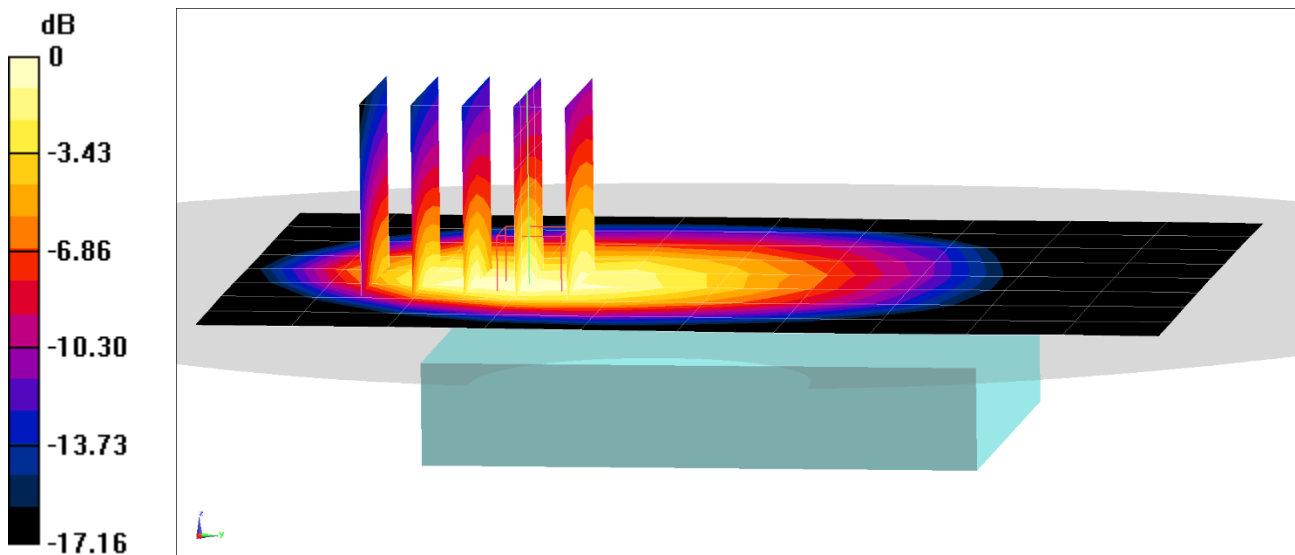
Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1
 Medium: 835 Body; Medium parameters used (interpolated):
 $f = 831.5 \text{ MHz}$; $\sigma = 0.996 \text{ S/m}$; $\epsilon_r = 54.448$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 5.00 mm

Test Date: 07/18/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 831.5 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 26.15 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.717 W/kg
 Smallest distance from peaks to all points 3 dB below = 12.9 mm
 Ratio of SAR at M2 to SAR at M1 = 59.3%



0 dB = 0.992 W/kg = -0.03 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1098M

Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1732.5$ MHz; $\text{cond} = 1.50$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/13/2022; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7660; ConvF:(9.22,9.22,9.22); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 4 Closed, 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, $dy=15.0$ mm

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

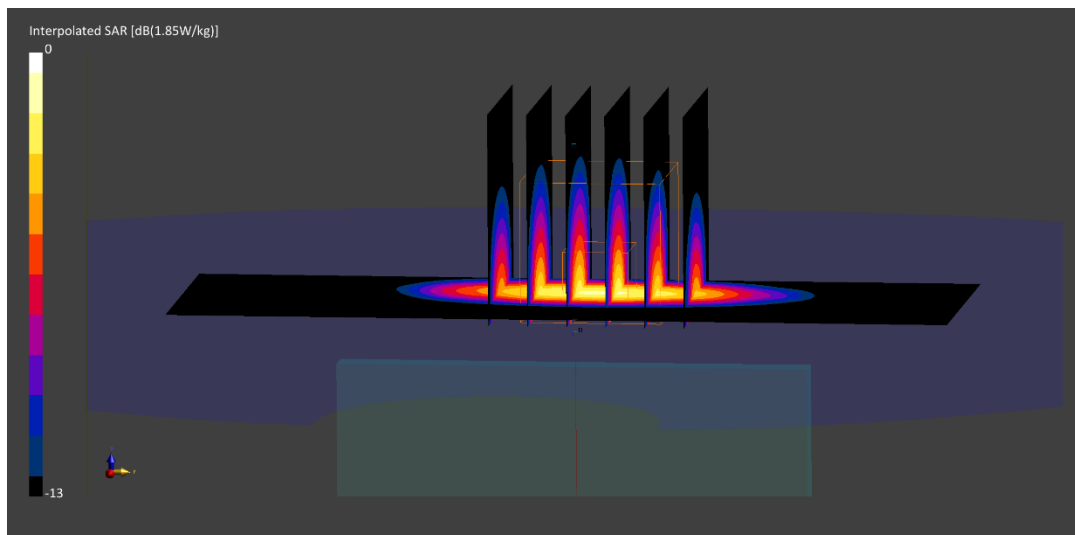
Reference Value = 0.72 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.889 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 78.2 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1094M

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

Medium: 2450 Body; Medium parameters used:

$f = 2680.0$ MHz; $\text{cond} = 2.31$ S/m; $\text{perm} = 50.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/05/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: LTE Band 41, Closed, Body SAR, Bottom Edge, High Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

Area Scan (60.0 x 120.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.9$ mm, $dy=4.9$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

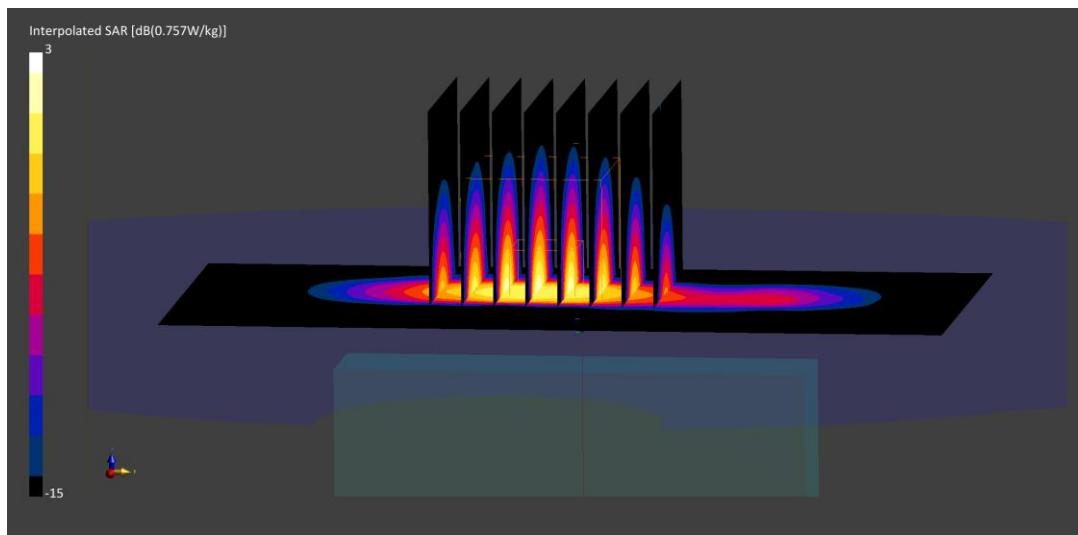
Reference Value = 0.95 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.792 W/kg

Smallest distance from peaks to all points 3 dB below is 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 74.3 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1152M

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

Medium: 2450 Body; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 1.98$ S/m; $\text{perm} = 50.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/07/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7552; ConvF:(7.44,7.44,7.44); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: IEEE 802.11b, Closed, 22 MHz Bandwidth, Antenna 2, Body SAR, Front Side, Ch. 11, 1 Mbps

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

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

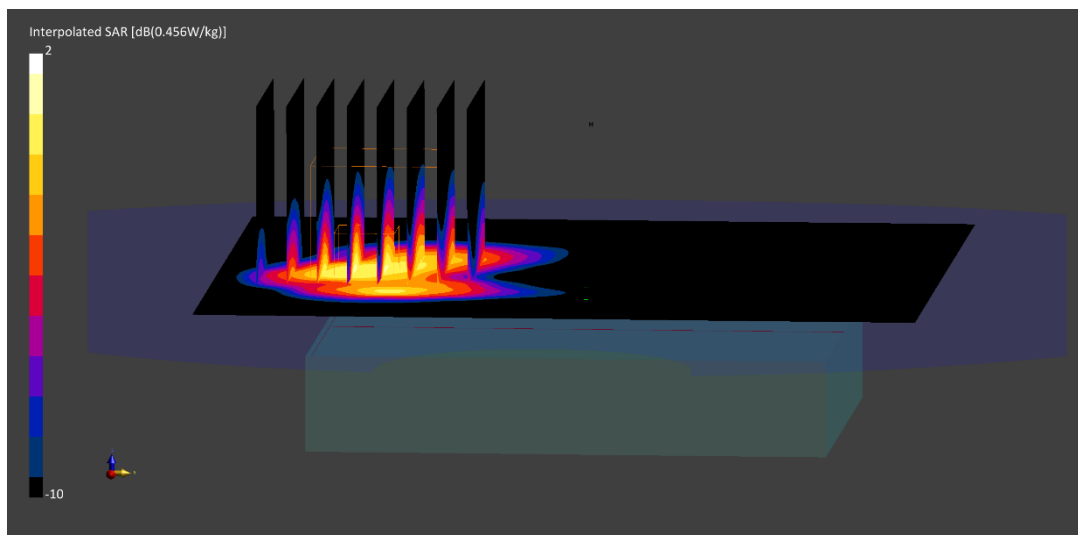
Reference Value = 0.43 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.996 W/kg

SAR(1 g) = 0.422 W/kg

Smallest distance from peaks to all points 3 dB below is 7.1 mm

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1100M

Communication System: UID:10317 - AAD, WLAN; MAIA: Y; Frequency: 5785.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

$f = 5785.0$ MHz; $\text{cond} = 6.23$ S/m; $\text{perm} = 47.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/11/2022; Ambient Temp: 22.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7417; ConvF:(4.43,4.43,4.43); 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 802.11a, Closed, 20 MHz Bandwidth, UNII-3, Antenna 1, Ch. 157,
Body SAR, Front Side, 6 Mbps**

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

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

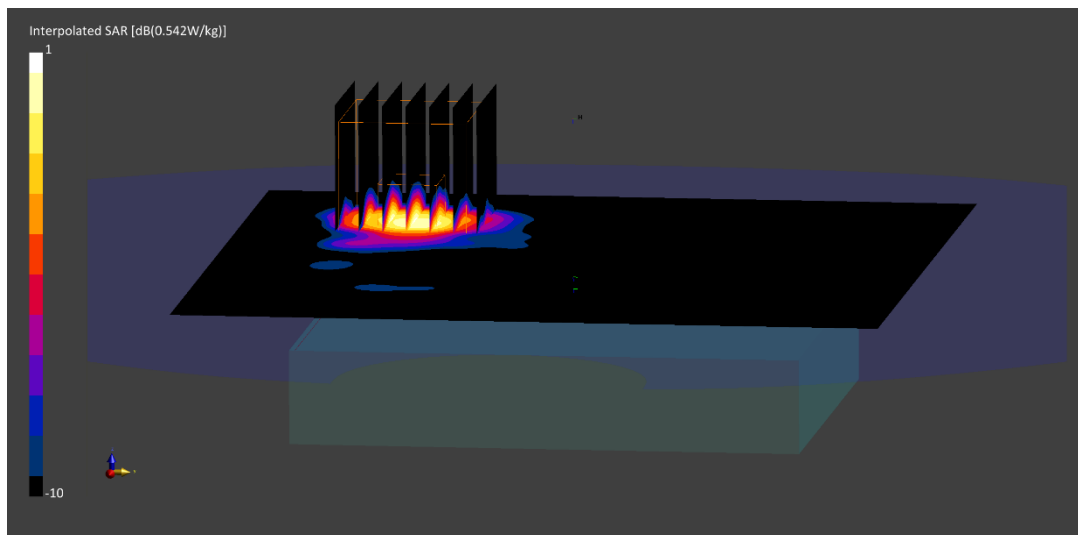
Reference Value = 0.65 W/kg; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.428 W/kg

Smallest distance from peaks to all points 3 dB below is 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.7 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1152M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.90$ S/m; $\text{perm} = 51.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/07/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7552; ConvF:(7.44,7.44,7.44); Calibrated: 2021-09-20

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: Bluetooth, Closed, Antenna 2, Body SAR, Ch. 0, 1Mbps, Front Side

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

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

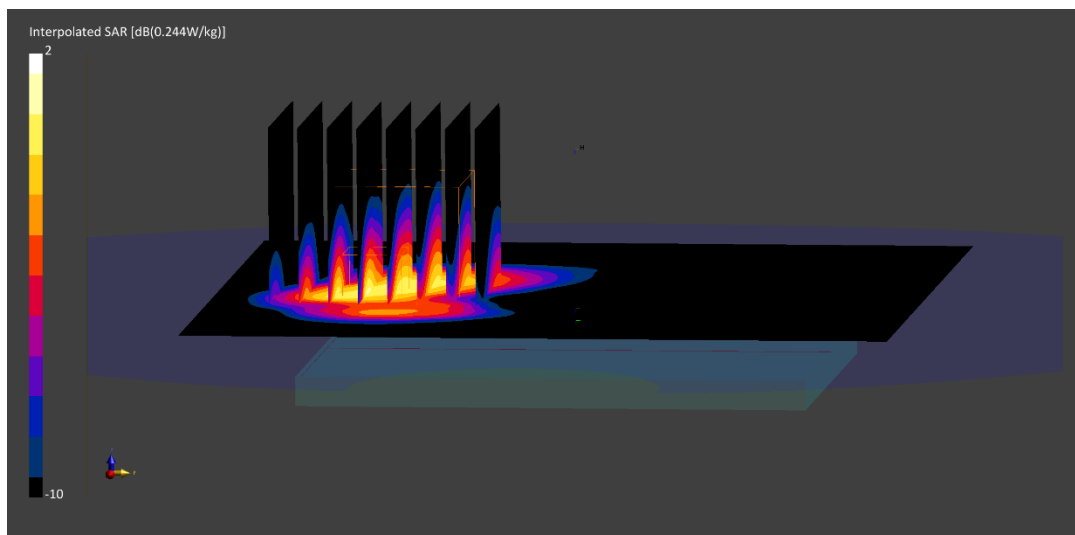
Reference Value = 0.22 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.207 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 75.2 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1192M

Communication System: UID 0, GSM GPRS; 3 Tx slots; Frequency: 836.6 MHz; Duty Cycle: 1:2.76
 Medium: 835 Body; Medium parameters used (interpolated):
 $f = 836.6 \text{ MHz}$; $\sigma = 1.008 \text{ S/m}$; $\epsilon_r = 54.714$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section; Space: 0.00 mm

Test Date: 07/13/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 836.6 MHz; Calibrated: 6/9/2022
 Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn1502; Calibrated: 5/16/2022
 Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596
 Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Mode: GPRS 850, Phablet SAR, Left Edge, Mid.ch, 3 Tx Slots

Area Scan (13x15x1): Measurement grid: $dx=5\text{mm}$, $dy=15\text{mm}$

Zoom Scan (16x18x8)/Cube 0: Measurement grid: $dx=2.2\text{mm}$, $dy=2.2\text{mm}$, $dz=1.4\text{mm}$; Graded Ratio: 1.4

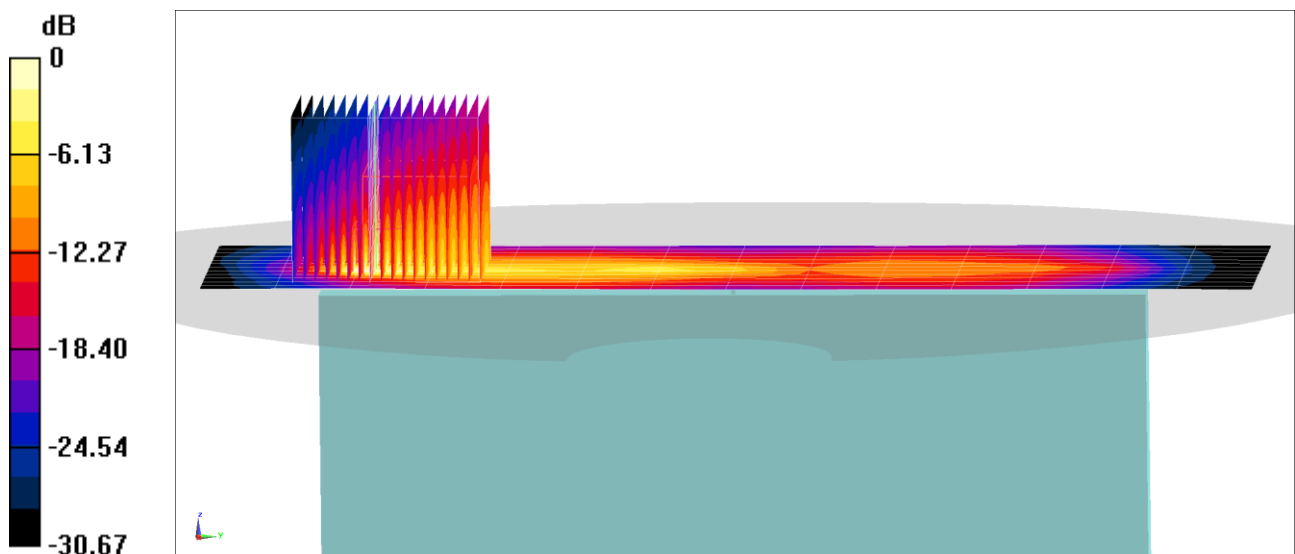
Reference Value = 35.96 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 21.3 W/kg

SAR(10 g) = 0.742 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 46.7%



0 dB = 6.49 W/kg = 8.12 dBW/kg

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1104M

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

Medium: 1900 Body; Medium parameters used:

$f = 1909.8$ MHz; $\text{cond} = 1.56$ S/m; $\text{perm} = 51.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/05/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.8°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

Mode: GPRS 1900, Phablet SAR, Back Side, High Ch., 4 Tx Slots

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.5$ mm, $dy=4.5$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

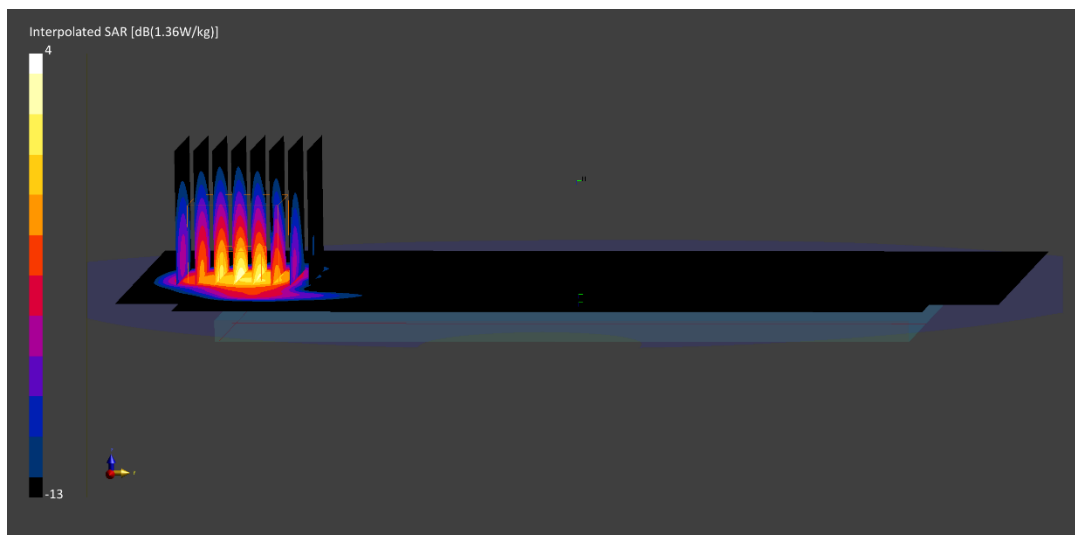
Reference Value = 2.49 W/kg; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 4.69 W/kg

SAR(10 g) = 0.757 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 = 76.4 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1098M

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

Medium: 1750 Body; Medium parameters used:

$f = 1732.5$ MHz; $\text{cond} = 1.50$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/13/2022; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7660; ConvF:(9.22,9.22,9.22); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

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

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: LTE Band 4, Phablet SAR, Back Side, Mid Ch.,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $\text{dx}=4.0$ mm, $\text{dy}=4.0$ mm, $\text{dz}=1.4$ mm; Graded Ratio: 1.4

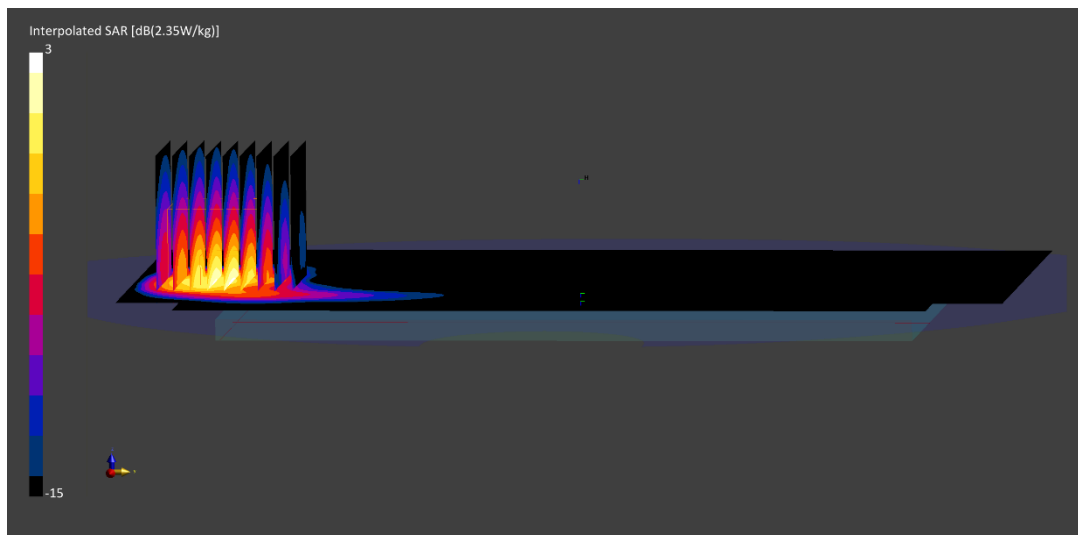
Reference Value = 2.25 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 8.18 W/kg

SAR(10 g) = 1.24 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 69.6 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1094M

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

Medium: 2450 Body; Medium parameters used:

$f = 2636.5$ MHz; $\text{cond} = 2.22$ S/m; $\text{perm} = 50.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/07/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.1°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.2.83

**Mode: LTE Band 41, Phablet SAR, Bottom Edge,
Mid-high Ch., 20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.4$ mm, $dy=3.4$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

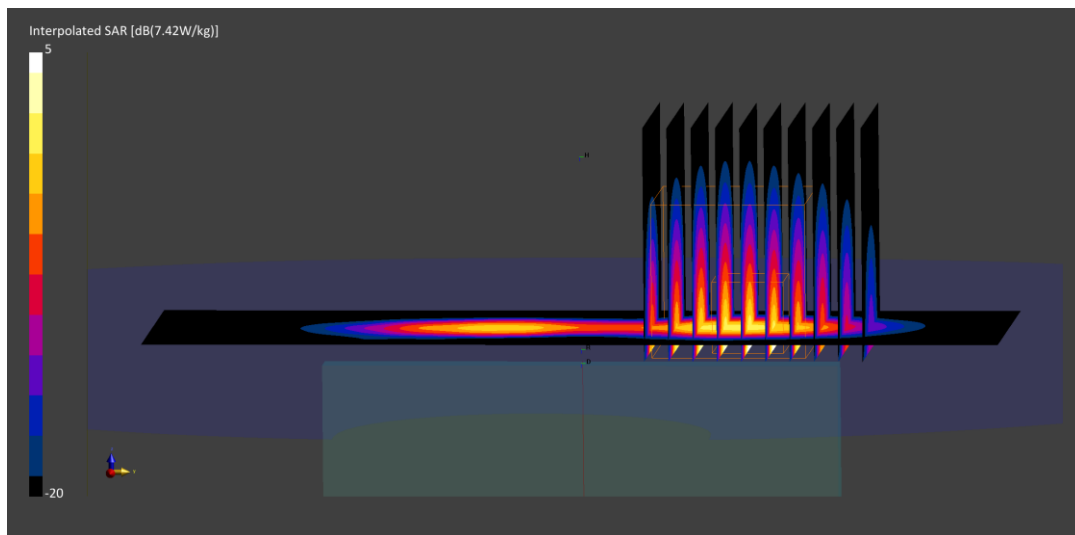
Reference Value = 2.14 W/kg; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 22.7 W/kg

SAR(10 g) = 1.51 W/kg

Smallest distance from peaks to all points 3 dB below is 4.6 mm

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



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1100M

Communication System: UID:10317 - AAD, WLAN; MAIA: Y; Frequency: 5320.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

$f = 5320.0$ MHz; $\text{cond} = 5.53$ S/m; $\text{perm} = 48.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/11/2022; Ambient Temp: 22.5°C; Tissue Temp: 21.0°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 V16.0.2.136

Mode: IEEE 802.11a, 20 MHz Bandwidth, UNII-2A, Antenna 1, Ch. 64, Phablet SAR, Left Edge, 6 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

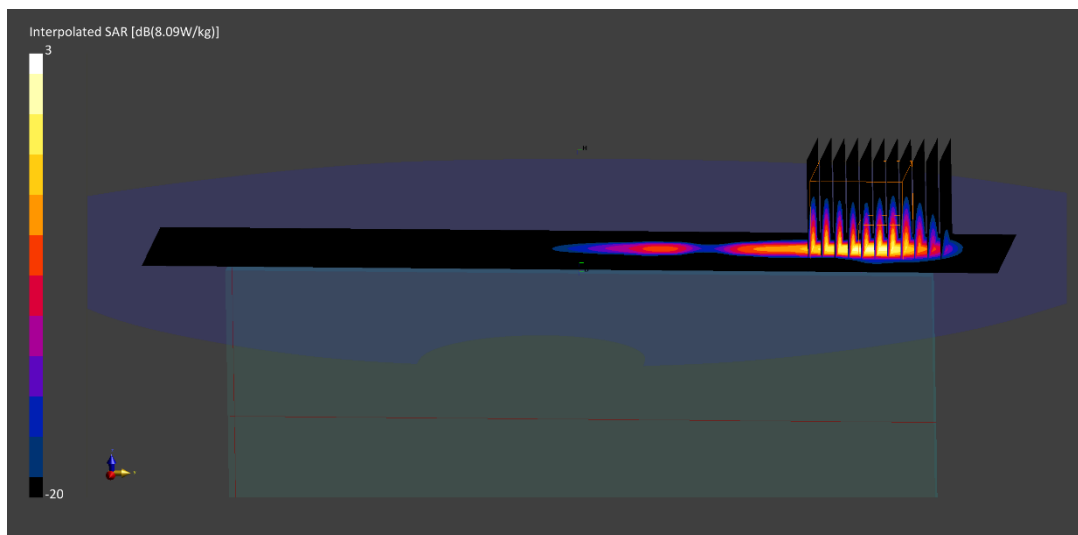
Reference Value = 9.39 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 21.5 W/kg

SAR(10 g) = 1.04 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 65.5 %



ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial: 1094M

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

Medium: 30 Head; Medium parameters used:

$f = 13.6$ MHz; $\text{cond} = 0.758$ S/m; $\text{perm} = 53.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/10/2022; Ambient Temp: 22.1°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7527; ConvF:(17.78,17.78,17.78); Calibrated: 2022-03-21

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

Electronics: DAE4 Sn1272; Calibrated: 2022-03-16

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.0.2.136

Mode: NFC, Phablet SAR, Back Side

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

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

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

Peak SAR (extrapolated) = 0.089 W/kg

SAR(10 g) = 0.009 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 = 59.4 %

