

APPENDIX A: SAR TEST DATA

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

Communication System: UID 0, GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

$f = 824.2$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 41.692$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Test Date: 12/22/2021; Ambient Temp: 20.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.76, 10.76, 10.76) @ 824.2 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 1/11/2021

Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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

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

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

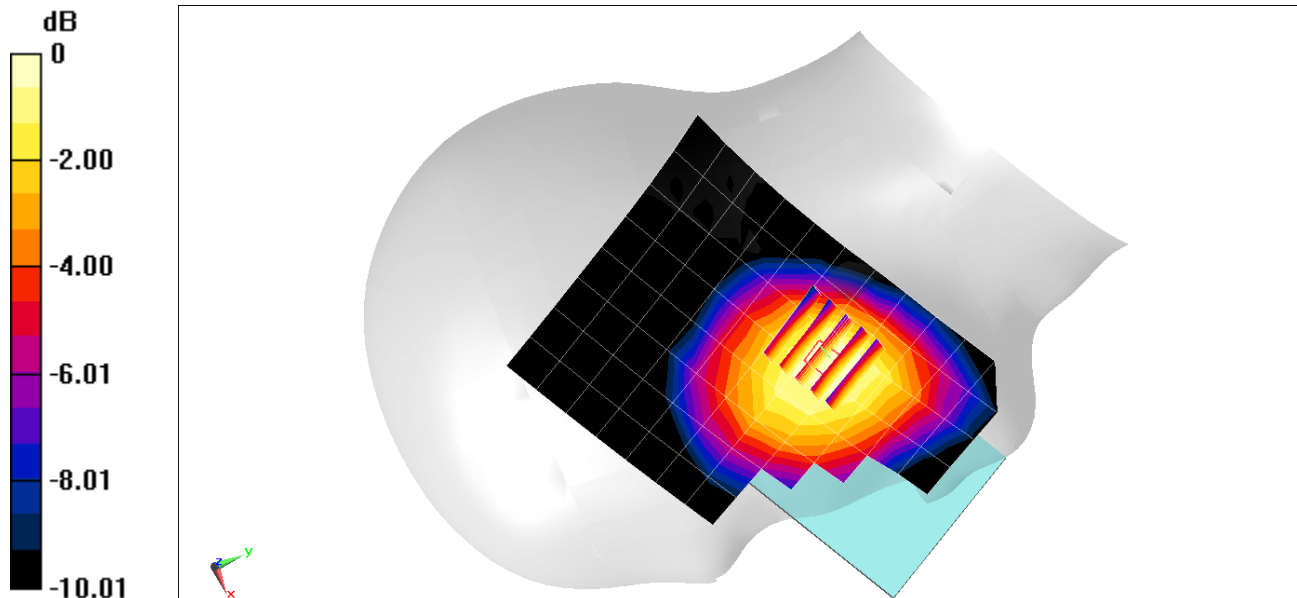
Reference Value = 10.73 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.103 W/kg

Smallest distance from peaks to all points 3 dB below = 24.1 mm

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



0 dB = 0.120 W/kg = -9.21 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0004M

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

Medium: 1900 Head; Medium parameters used:

f = 1909.8 MHz; cond = 1.43 S/m; perm = 38.7; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 12/26/2021; Ambient Temp: 22.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7406; ConvF:(7.98,7.98,7.98); 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: GSM 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

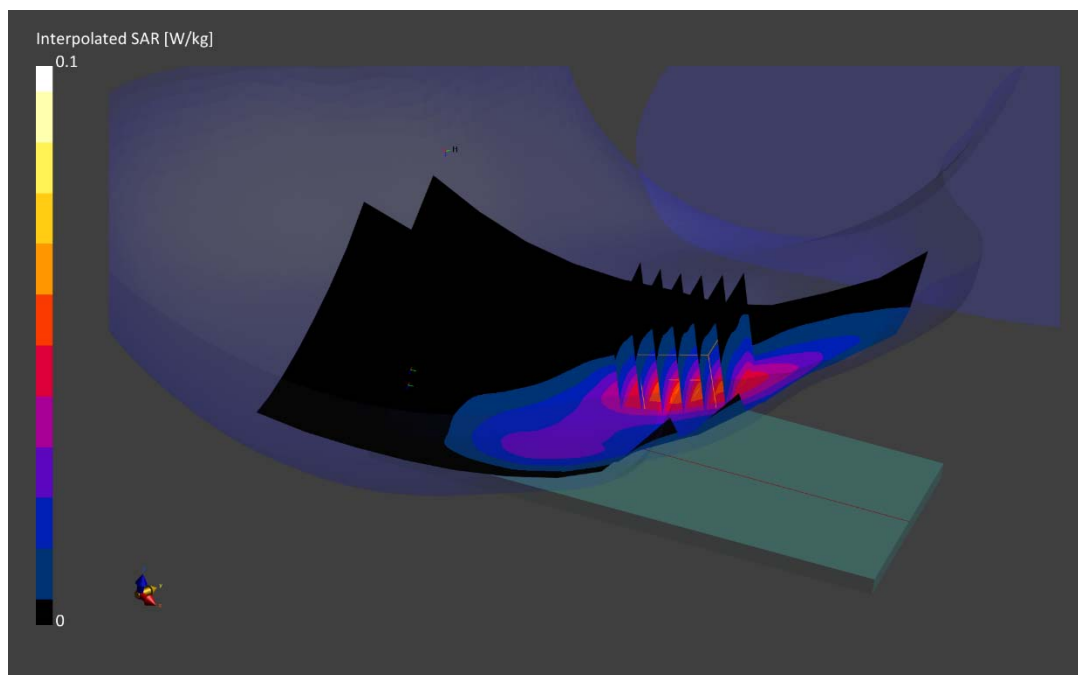
Reference Value = 0.06 W/kg; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.085 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 = 84.7 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

Communication System: UID 0, UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

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

$f = 826.4 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 41.335$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 12/23/2021; Ambient Temp: 20.8°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7402; ConvF(10.05, 10.05, 10.05) @ 826.4 MHz; Calibrated: 4/16/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 4/9/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1868

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

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

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

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

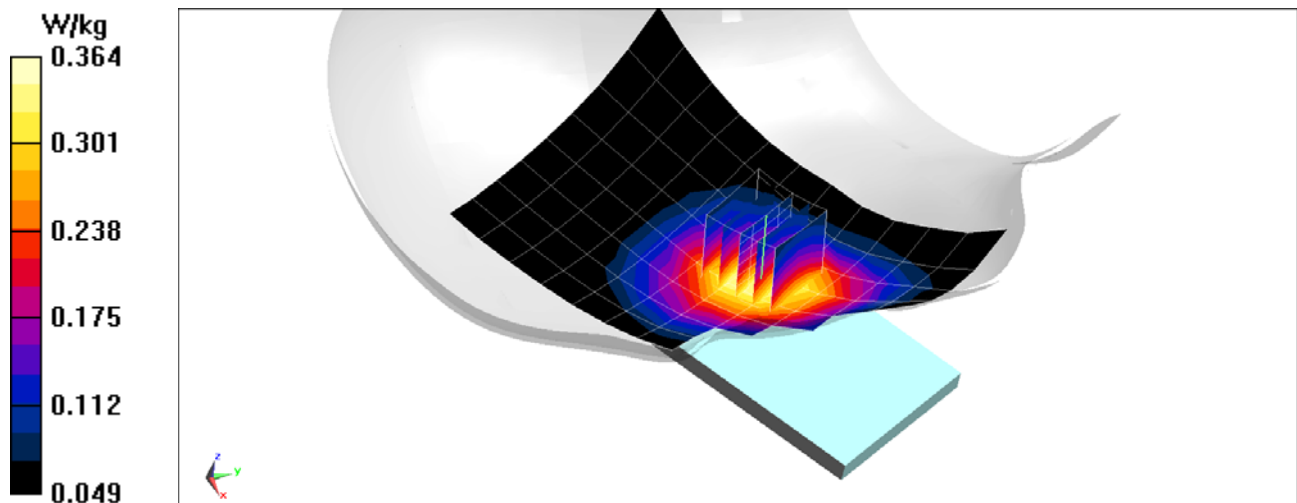
Reference Value = 18.49 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.311 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 = 81.2%



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

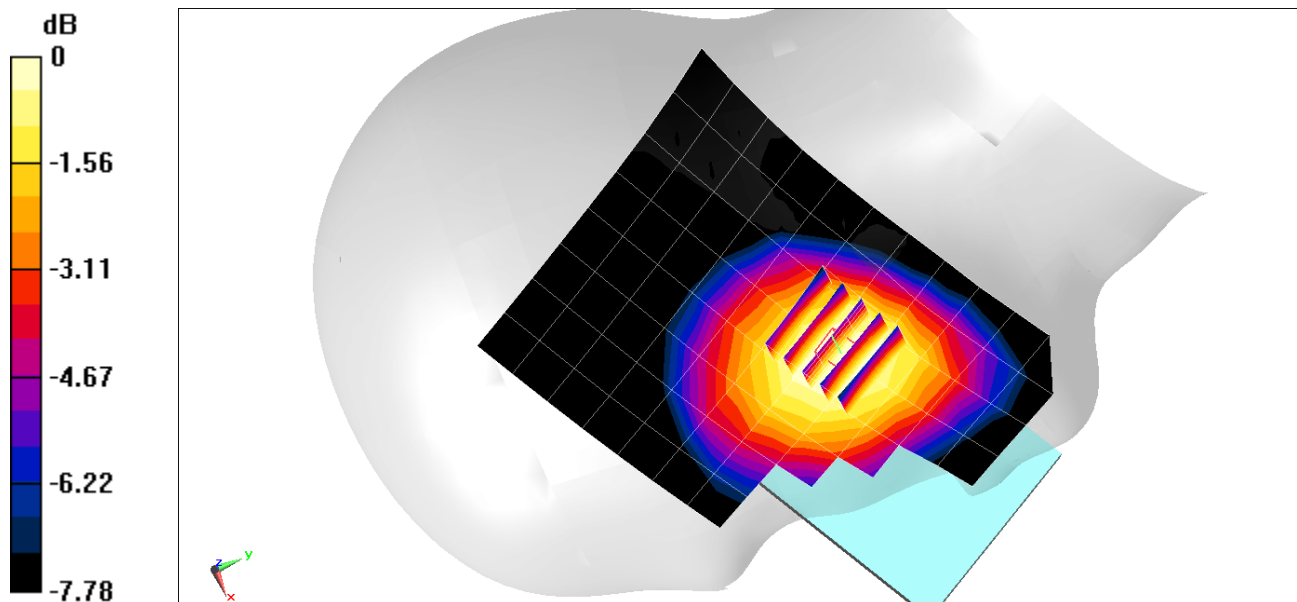
Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: 750 Head; Medium parameters used (interpolated):
 $f = 707.5 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 42.832$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

Test Date: 12/30/2021; Ambient Temp: 20.4°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7640; ConvF(11.14, 11.14, 11.14) @ 707.5 MHz; Calibrated: 3/3/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 14.31 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.200 W/kg
SAR(1 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 84.6%



0 dB = 0.188 W/kg = -7.26 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0031M

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

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

$f = 782 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 41.61$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Test Date: 01/06/2022; Ambient Temp: 23.2°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7558; ConvF(10.27, 10.27, 10.27) @ 782 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

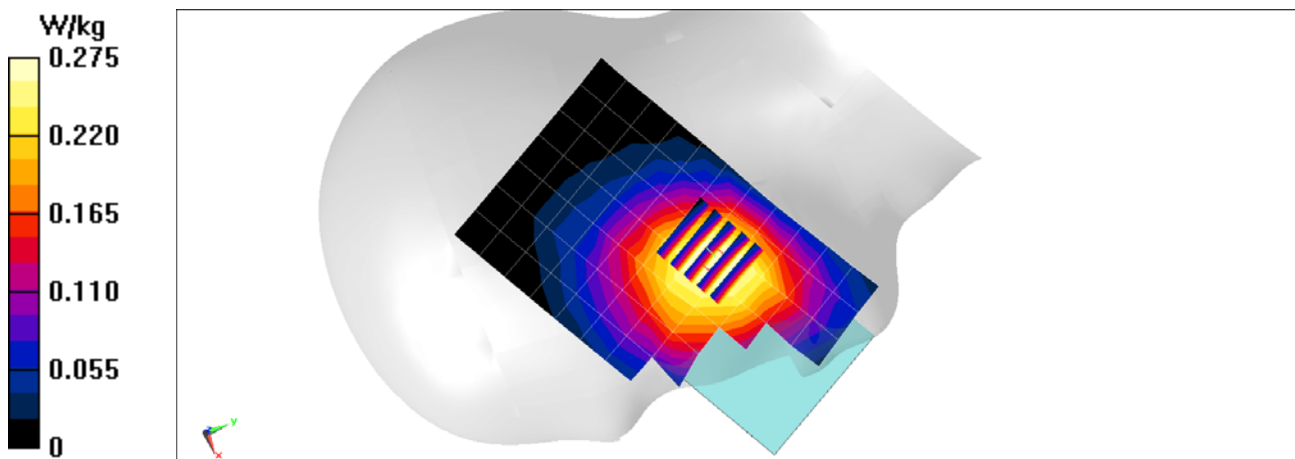
Reference Value = 16.99 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.247 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 = 77.1%



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

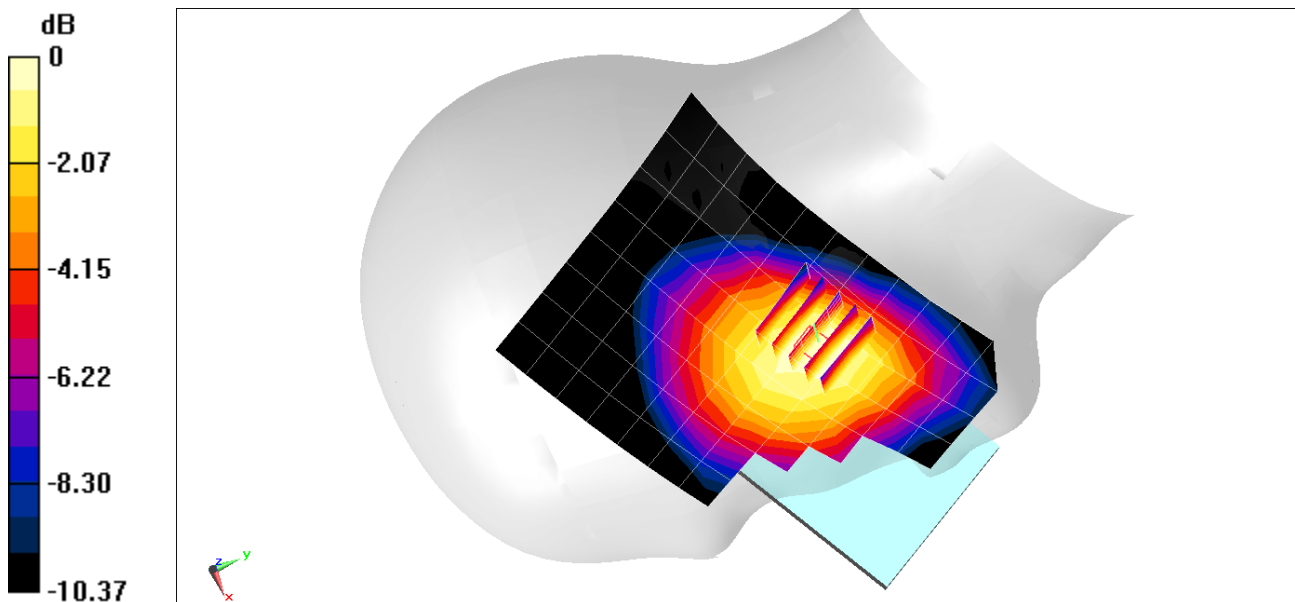
Communication System: UID 0, LTE Band 5 (Cell.); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
 $f = 836.5 \text{ MHz}$; $\sigma = 0.934 \text{ S/m}$; $\epsilon_r = 42.422$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

Test Date: 12/30/2021; Ambient Temp: 20.4°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7640; ConvF(10.76, 10.76, 10.76) @ 836.5 MHz; Calibrated: 3/3/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 5 (Cell.), Right Head, Cheek, Mid.ch
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 18.09 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.360 W/kg
SAR(1 g) = 0.284 W/kg
Smallest distance from peaks to all points 3 dB below = 22.2 mm
Ratio of SAR at M2 to SAR at M1 = 79.5%



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0004M

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

Medium: 1750 Head; Medium parameters used:

f = 1732.5 MHz; cond = 1.40 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 12/21/2021; Ambient Temp: 22.3°C; Tissue Temp: 22.1°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: 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

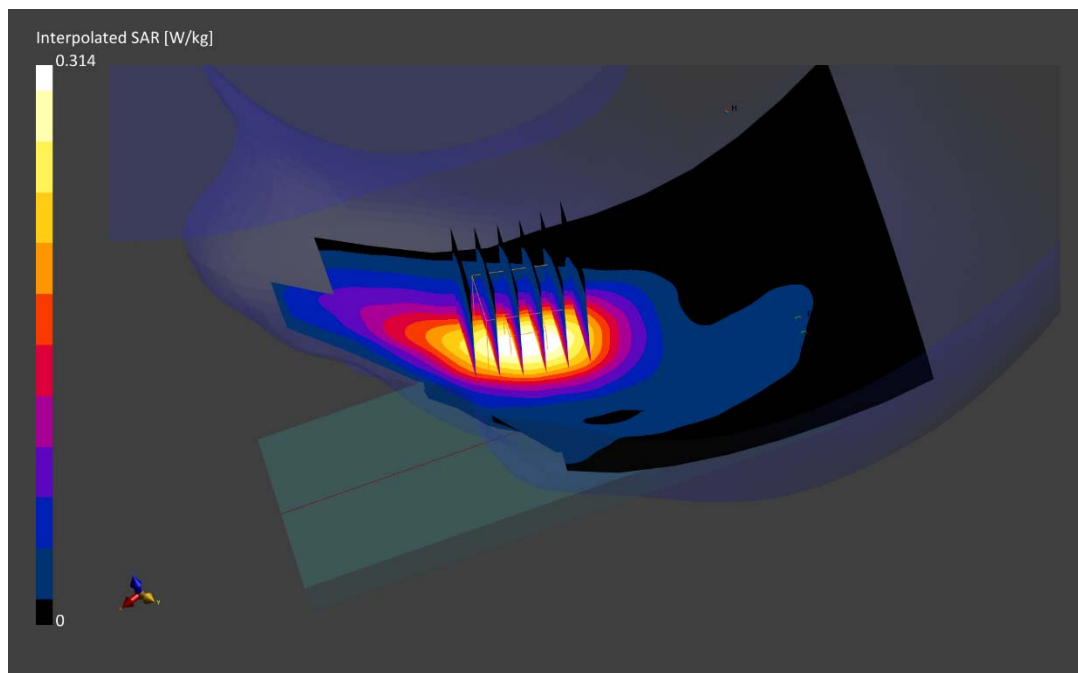
Reference Value = 0.22 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.199 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 86.2 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0012M

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

Medium: 2450 Head; Medium parameters used:

f = 2680.0 MHz; cond = 2.05 S/m; perm = 38.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 01/15/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7538; ConvF:(7.34,7.34,7.34); Calibrated: 2021-11-16

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

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

Phantom: Twin-SAM V5.0; Serial: 1648

Measurement SW: DASY Module SAR V16.0.0.116

Mode: LTE Band 41, Left Head, Cheek, ULCA, 20 MHz Bandwidth, QPSK

PCC: Channel 41490, 1 RB, 0 RB Offset

SCC: Channel 41292, 1 RB, 99 RB Offset

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

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

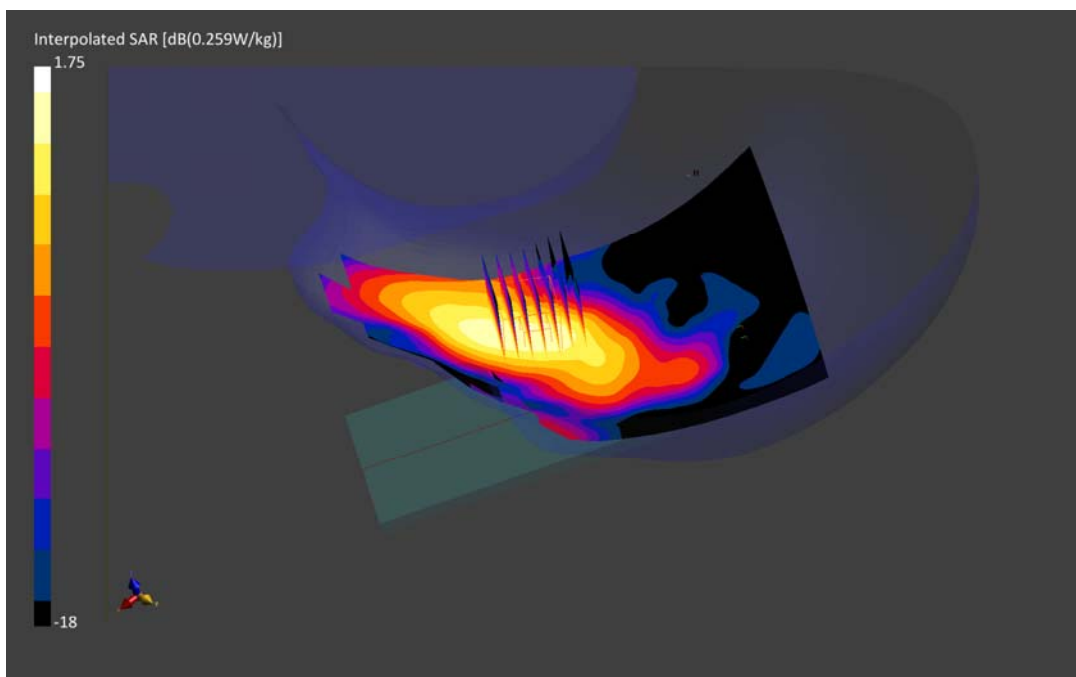
Reference Value = 0.21 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.387 W/kg

SAR(1 g) = 0.214 W/kg

Smallest distance from peaks to all points 3 dB below is 9.9 mm

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



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0008M

Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 2412.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2412.0 MHz; cond = 1.81 S/m; perm = 38.9; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 01/12/2022; Ambient Temp: 24.3°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7538; ConvF:(7.58,7.58,7.58); Calibrated: 2021-11-16

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

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

Phantom: Twin-SAM V5.0; Serial: 1648

Measurement SW: DASY Module SAR V16.0.0.116

Mode: IEEE 802.11n, MIMO, 20 MHz Bandwidth, Right Head, Cheek, Ch.1, 13 Mbps

Area Scan (120.0 x 180.0): Measurement grid: dx= mm, dy= 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

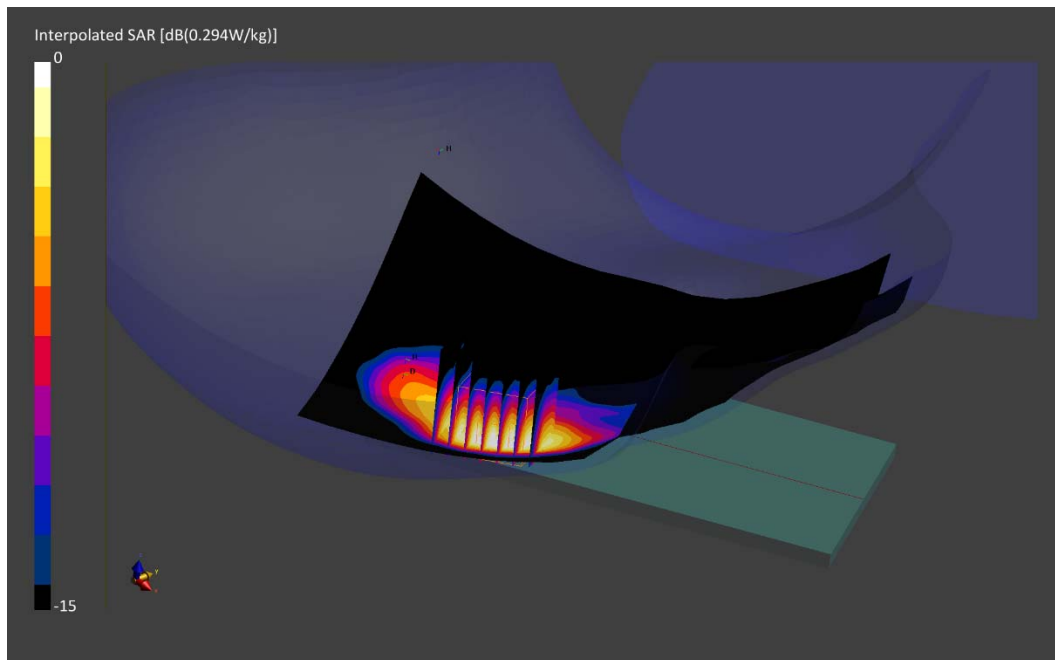
Reference Value = 0.00 W/kg; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.253 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 74.4 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0005M

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

Medium: 5200-5800 Head; Medium parameters used:

f = 5290.0 MHz; cond = 4.78 S/m; perm = 36.0; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 01/03/2022; Ambient Temp: 20.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7668; ConvF:(5.1,5.1,5.1); Calibrated: 2021-08-04

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

Electronics: DAE4 Sn1272; Calibrated: 2021-03-18

Phantom: Twin-SAM V8.0; Serial: 20063

Measurement SW: DASY Module SAR V16.0.0.116

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

Area Scan (120.0 x 180.0): Measurement grid: dx= mm, dy= 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

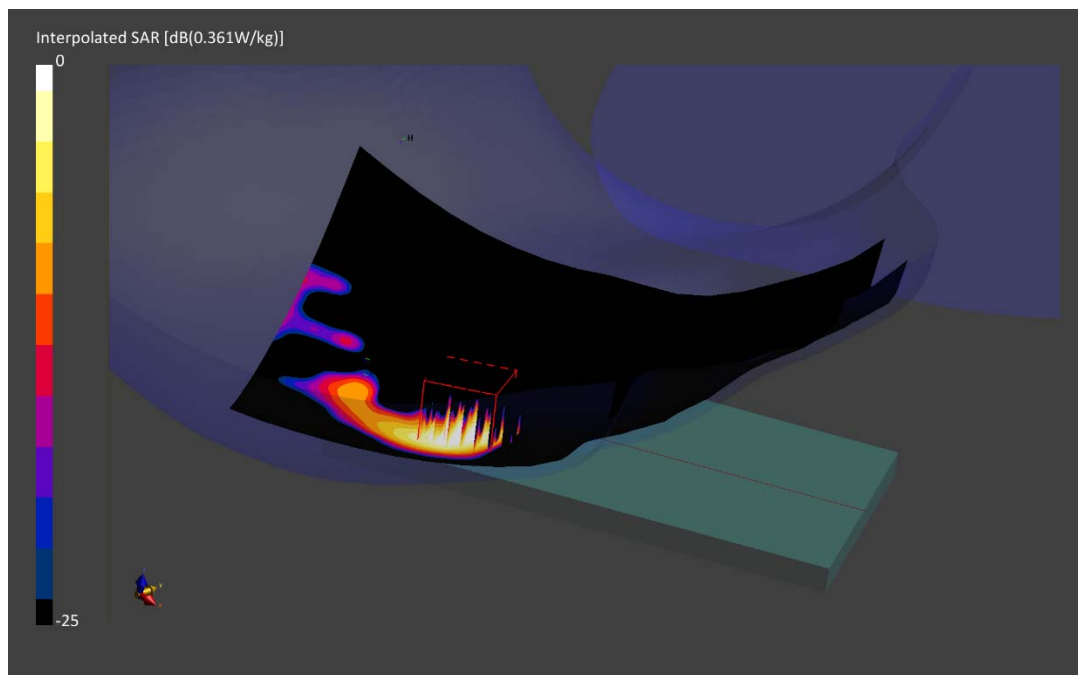
Reference Value = 0.24 W/kg; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.280 W/kg

Smallest distance from peaks to all points 3 dB below is 4.4 mm

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



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0008M

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

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$ MHz; $\text{cond} = 1.85$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 01/03/2022; Ambient Temp: 20.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7660; ConvF:(8.49,8.49,8.49); Calibrated: 2021-06-28

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

Electronics: DAE4 Sn1677; Calibrated: 2021-06-22

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

Measurement SW: DASY Module SAR V16.0.0.65

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

Area Scan (120.0 x 180.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.7$ mm, $dy=4.7$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

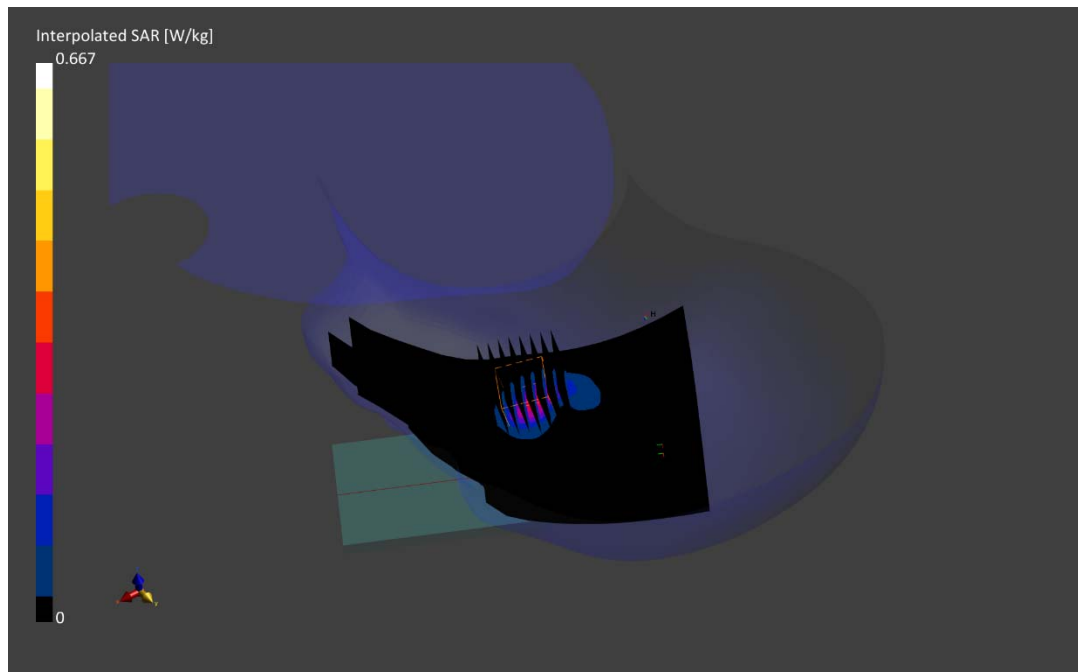
Reference Value = 0.28 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.268 W/kg

Smallest distance from peaks to all points 3 dB below is 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 76.4 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0031M

Communication System: UID 0, GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

$f = 824.2 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.285$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12/21/2021; Ambient Temp: 21.8°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7637; ConvF(10.77, 10.77, 10.77) @ 824.2 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/1/2021

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CE; Serial: 1934

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

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

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

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

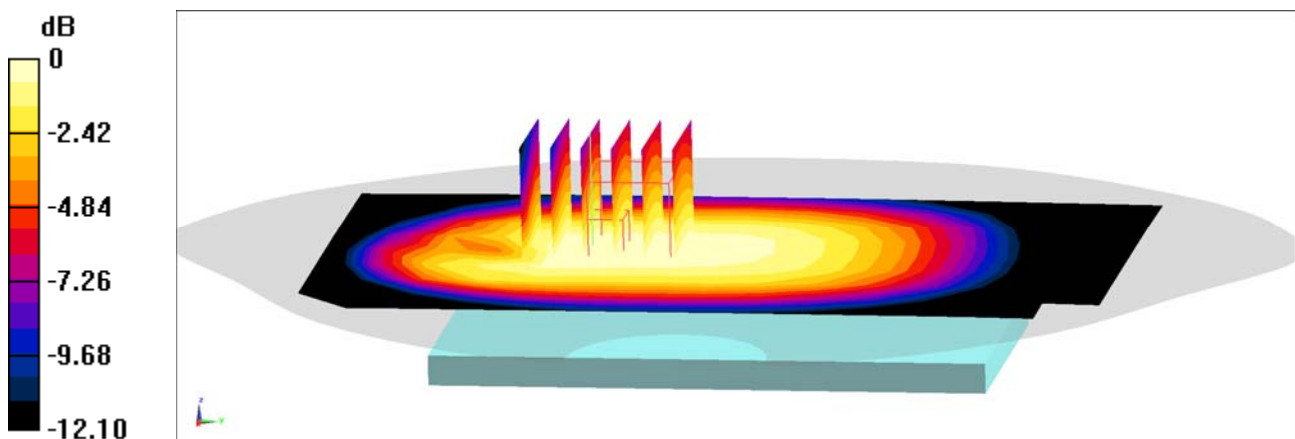
Reference Value = 16.80 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.268 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 = 76%



0 dB = 0.324 W/kg = -4.89 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0031M

Communication System: UID 0, GSM GPRS; 3 Tx slots; Frequency: 824.2 MHz; Duty Cycle: 1:2.76

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

$f = 824.2 \text{ MHz}$; $\sigma = 0.995 \text{ S/m}$; $\epsilon_r = 54.866$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/23/2021; Ambient Temp: 21.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7637; ConvF(10.77, 10.77, 10.77) @ 824.2 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/1/2021

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CE; Serial: 1934

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

Mode: GPRS 850, Body SAR, Back side, Low.ch, 3 Tx Slots

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

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

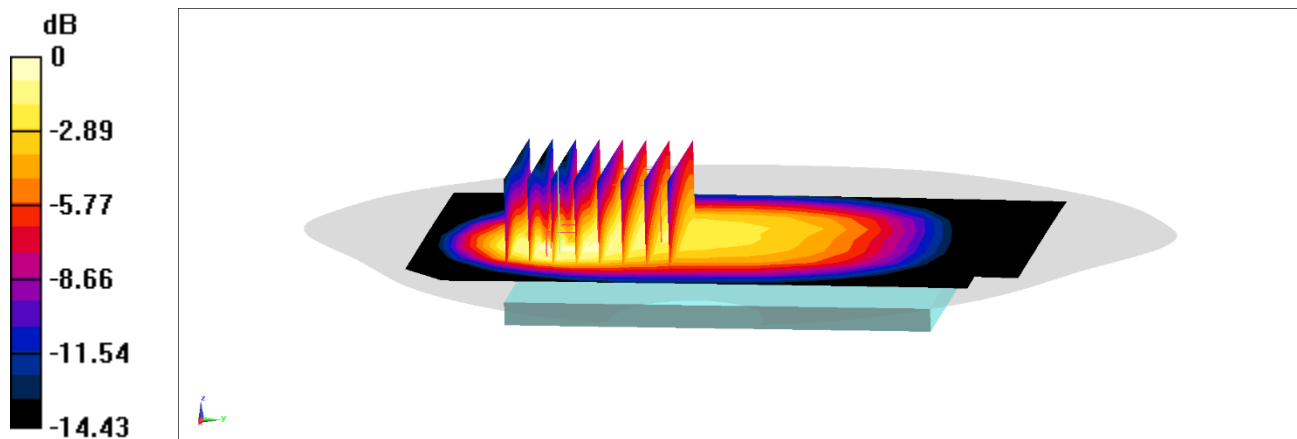
Reference Value = 19.92 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.354 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 62.6%



0 dB = 0.492 W/kg = -3.08 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0004M

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.58 S/m; perm = 52.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/21/2021; Ambient Temp: 24.9°C; Tissue Temp: 23.6°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, Back side, High. ch

Area Scan (120.0 x 180.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

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

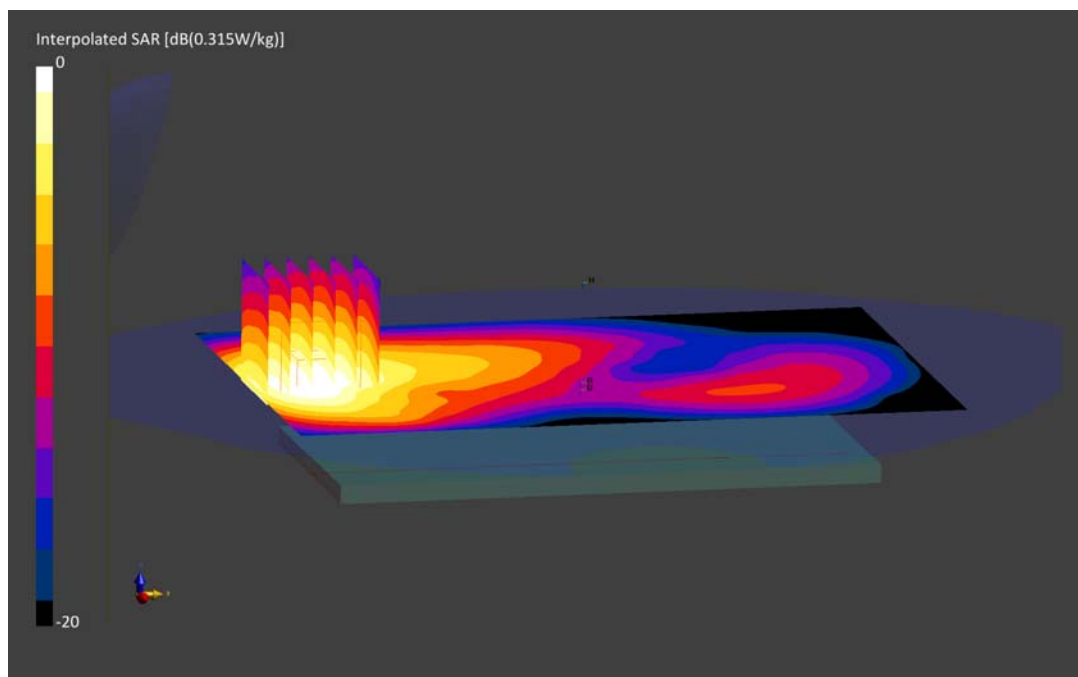
Reference Value = 0.26 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.260 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 86.7 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0004M

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.58 S/m; perm = 54.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/31/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.2°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 V5.0; Serial: 1648

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

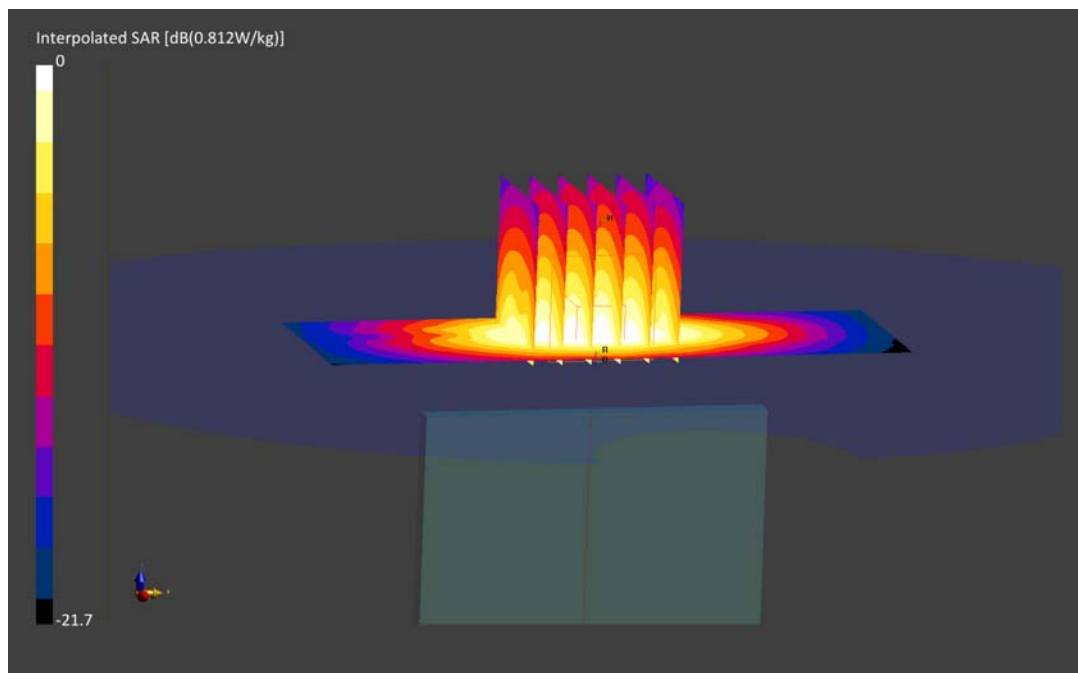
Reference Value = 0.58 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.659 W/kg

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

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



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0031M

Communication System: UID 0, UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

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

$f = 826.4 \text{ MHz}$; $\sigma = 0.962 \text{ S/m}$; $\epsilon_r = 55.473$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01/03/2022; Ambient Temp: 20.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7637; ConvF(10.77, 10.77, 10.77) @ 826.4 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/1/2021

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CE; Serial: 1934

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

Mode: UMTS 850, Body SAR, Back side, Low.ch

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

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

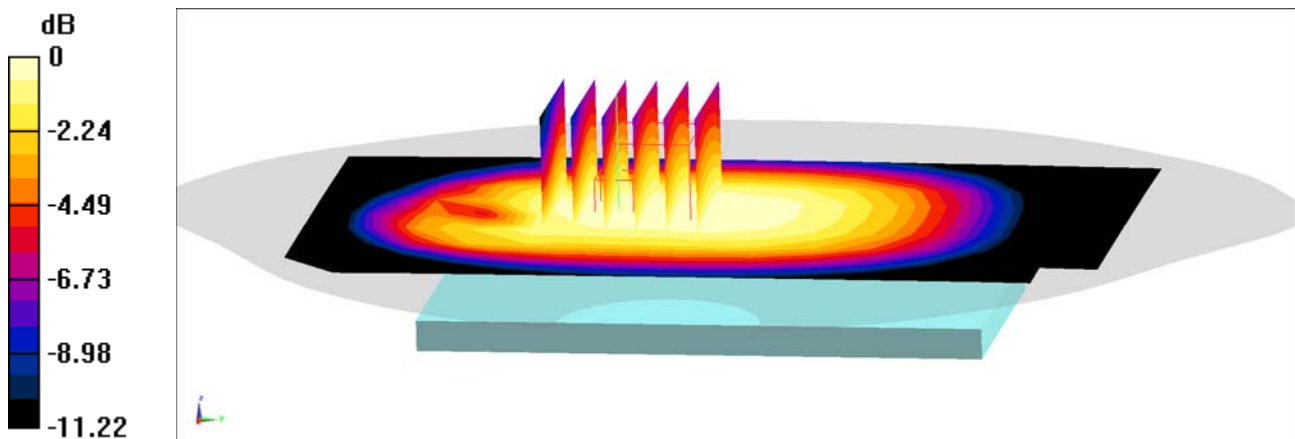
Reference Value = 19.51 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.353 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid ($> 20 \text{ mm}$)

Ratio of SAR at M2 to SAR at M1 = 77.8%



0 dB = 0.421 W/kg = -3.76 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0031M

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

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

$f = 846.6 \text{ MHz}$; $\sigma = 0.97 \text{ S/m}$; $\epsilon_r = 55.402$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/03/2022; Ambient Temp: 20.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7637; ConvF(10.77, 10.77, 10.77) @ 846.6 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/1/2021

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CE; Serial: 1934

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

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

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

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

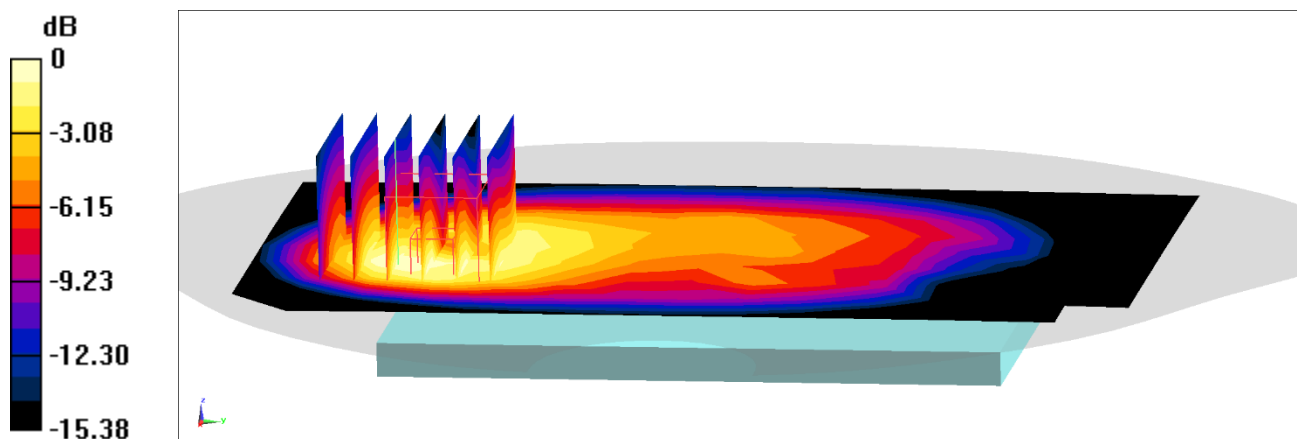
Reference Value = 24.31 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.981 W/kg

SAR(1 g) = 0.555 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.5%



0 dB = 0.781 W/kg = -1.07 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

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

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

$f = 707.5 \text{ MHz}$; $\sigma = 0.979 \text{ S/m}$; $\epsilon_r = 54.678$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12/30/2021; Ambient Temp: 22.3°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7558; ConvF(10.38, 10.38, 10.38) @ 707.5 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

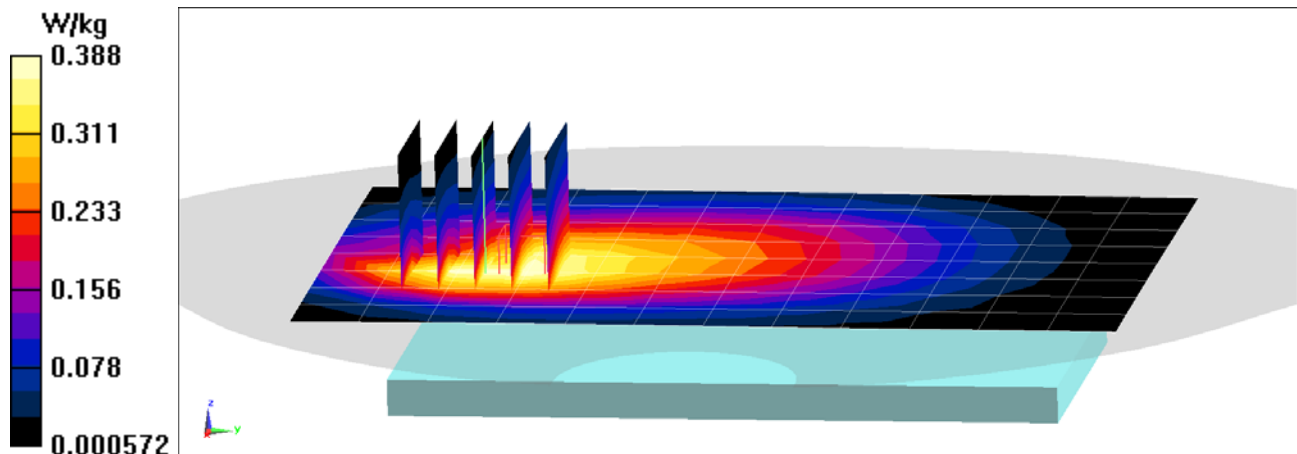
Reference Value = 17.66 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.463 W/kg

SAR(1 g) = 0.305 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63.5%



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

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

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

$f = 707.5$ MHz; $\sigma = 0.979$ S/m; $\epsilon_r = 54.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/30/2021; Ambient Temp: 22.3°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7558; ConvF(10.38, 10.38, 10.38) @ 707.5 MHz; Calibrated: 9/17/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1364; Calibrated: 9/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626

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

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

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

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

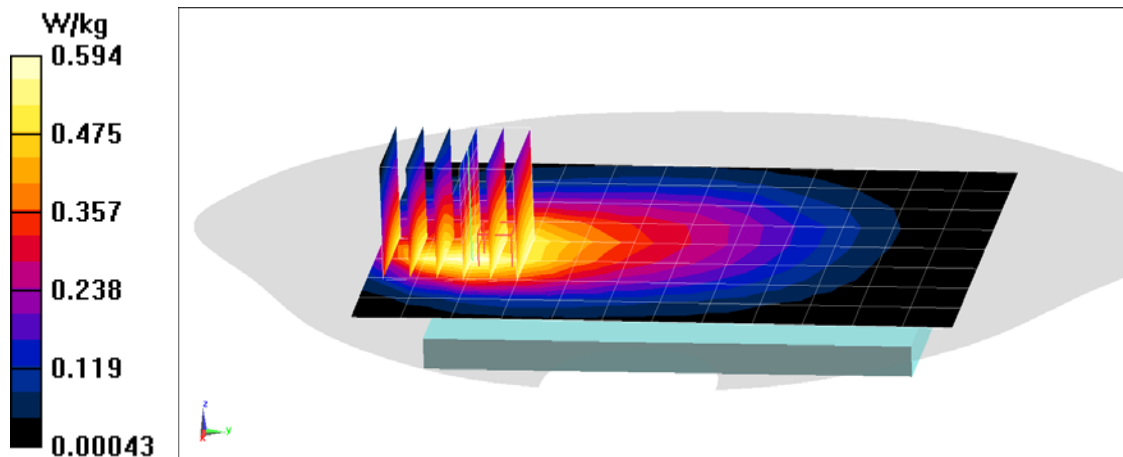
Reference Value = 20.44 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.427 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.6%



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

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

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

$f = 782 \text{ MHz}$; $\sigma = 0.974 \text{ S/m}$; $\epsilon_r = 54.331$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 01/07/2022; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7402; ConvF(10.31, 10.31, 10.31) @ 782 MHz; Calibrated: 4/16/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 4/9/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1868

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

**Mode: LTE Band 13, Body SAR, Back side, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

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

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

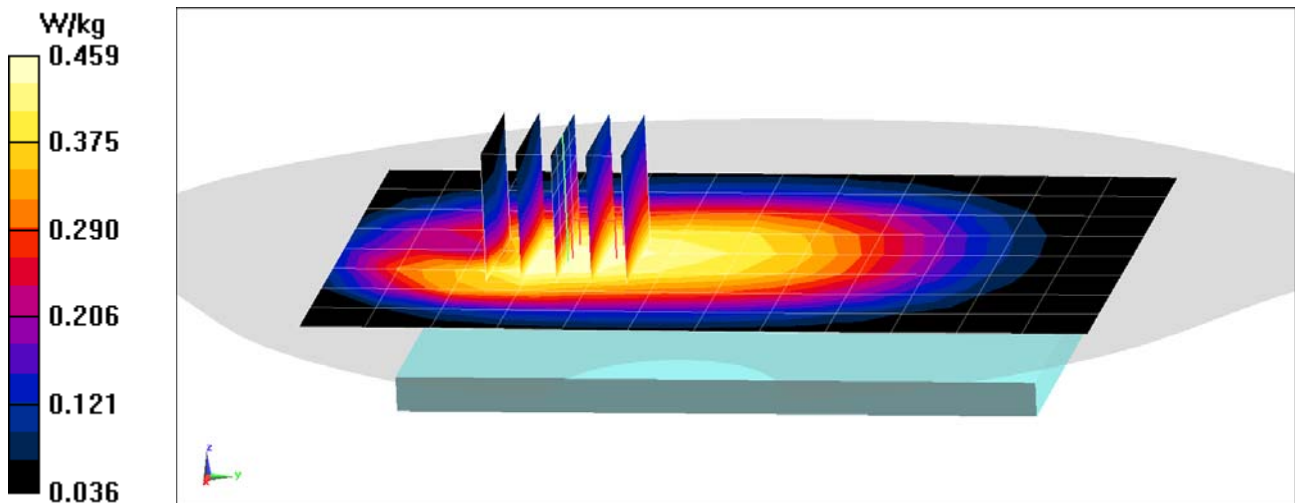
Reference Value = 19.94 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.372 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 = 70.9%



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0026M

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

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

$f = 782 \text{ MHz}$; $\sigma = 0.974 \text{ S/m}$; $\epsilon_r = 54.331$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 01/07/2022; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7402; ConvF(10.31, 10.31, 10.31) @ 782 MHz; Calibrated: 4/16/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 4/9/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1868

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

**Mode: LTE Band 13, Body SAR, Back side, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

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

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

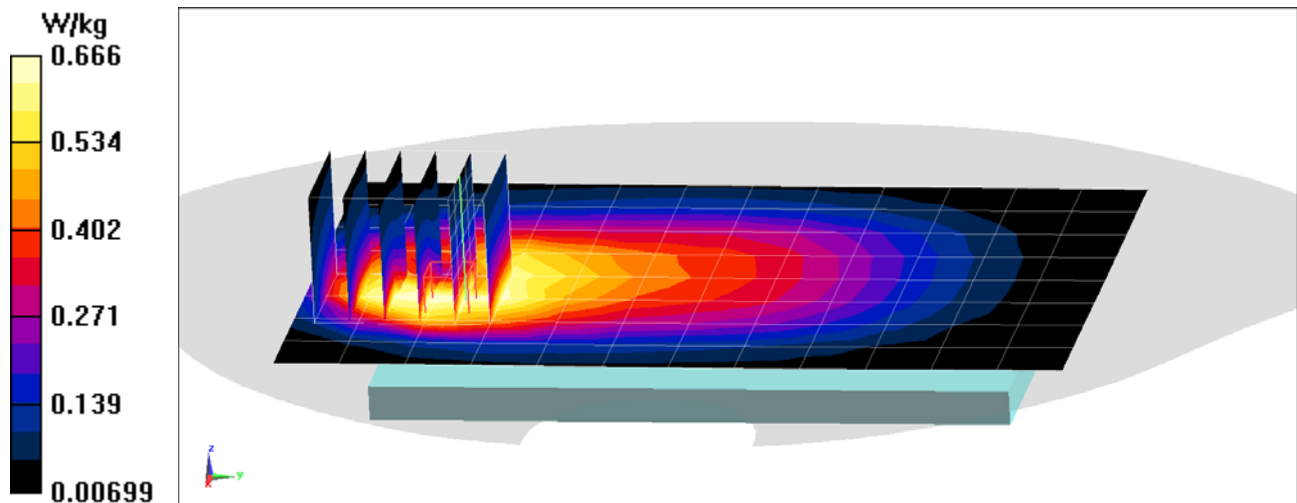
Reference Value = 22.48 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.516 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.1%



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0031M

Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

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

$f = 836.5 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 54.826$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12/23/2021; Ambient Temp: 21.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7637; ConvF(10.77, 10.77, 10.77) @ 836.5 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/1/2021

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CE; Serial: 1934

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

**Mode: LTE Band 5 (Cell.), Body SAR, Back side, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

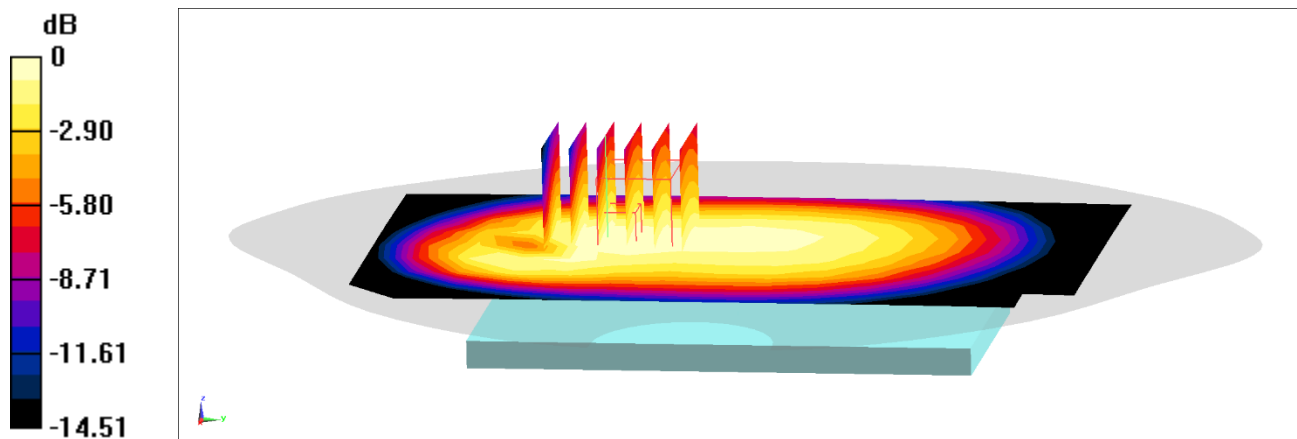
Reference Value = 18.62 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.334 W/kg

Smallest distance from peaks to all points 3 dB below = 18.2 mm

Ratio of SAR at M2 to SAR at M1 = 75%



0 dB = 0.405 W/kg = -3.93 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0031M

Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

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

$f = 836.5 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 54.826$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/23/2021; Ambient Temp: 21.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7637; ConvF(10.77, 10.77, 10.77) @ 836.5 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/1/2021

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CE; Serial: 1934

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

**Mode: LTE Band 5 (Cell.), Body SAR, Back side, Mid.ch,
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

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

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

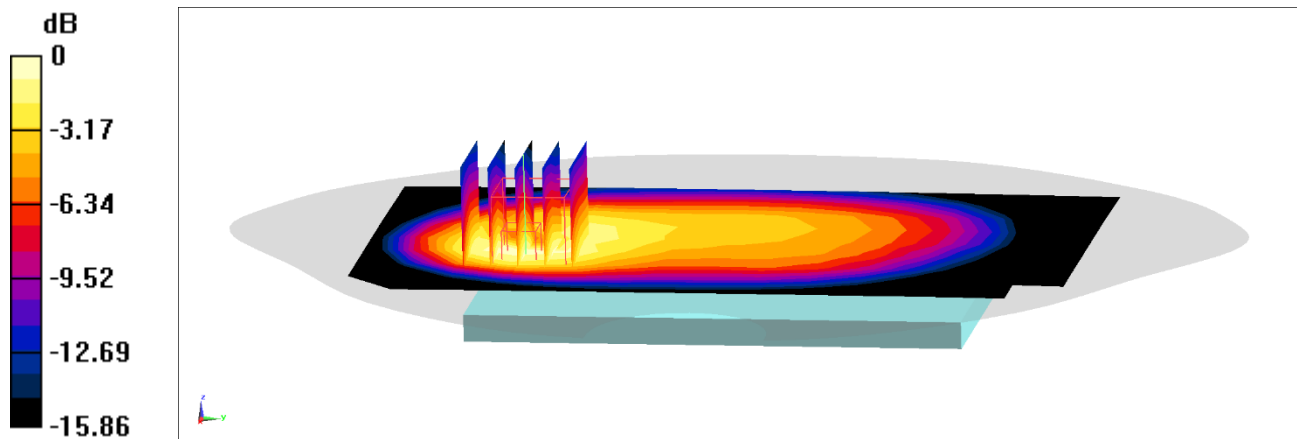
Reference Value = 25.04 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.581 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.8%



0 dB = 0.846 W/kg = -0.73 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0007M

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

Medium: 1750 Body; Medium parameters used:

f = 1732.5 MHz; cond = 1.49 S/m; perm = 53.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 02/02/2022; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7357; ConvF:(8.12,8.12,8.12); Calibrated: 2021-04-19

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

Electronics: DAE4 Sn1407; Calibrated: 2021-04-07

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 4, 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

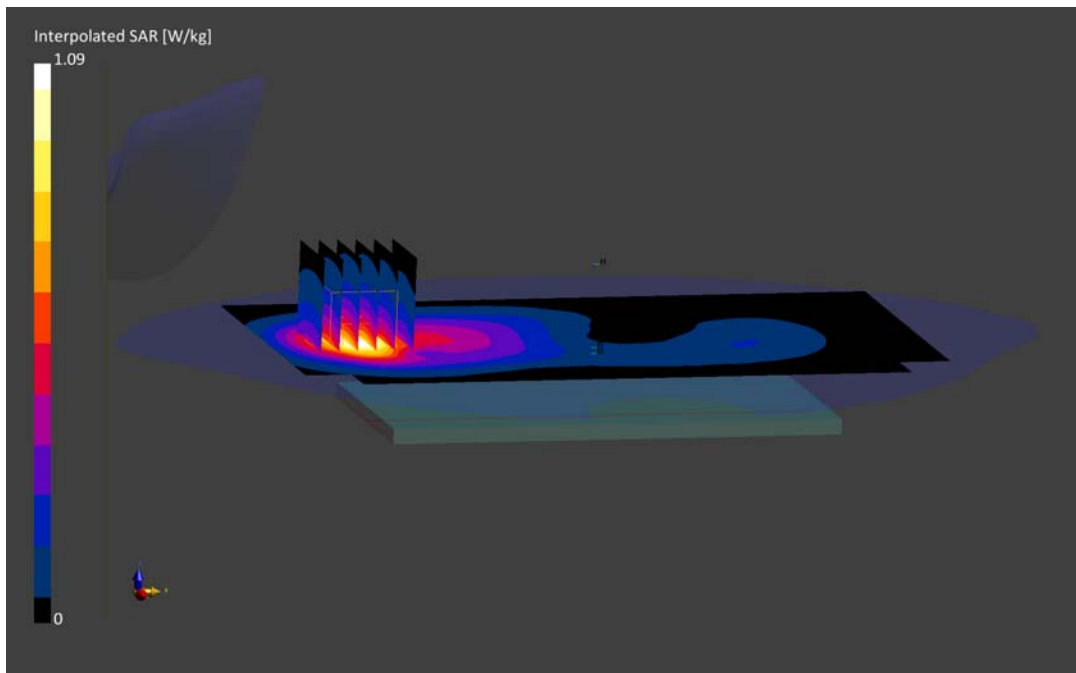
Reference Value = 0.76 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.701 W/kg

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

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



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0007M

Communication System: UID 0, LTE Band 4 (AWS); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: 1750 Body Medium parameters used (interpolated):

$f = 1732.5$ MHz; $\sigma = 1.458$ S/m; $\epsilon_r = 53.544$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 10 mm

Test Date: 12/20/2021; Ambient Temp: 22.8°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1732.5 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1407; Calibrated: 4/7/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**Mode: LTE Band 4 (AWS), Body SAR, Bottom Edge, Mid.ch,
20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

Area Scan (11x9x1): Measurement grid: dx=5mm, dy=15mm

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

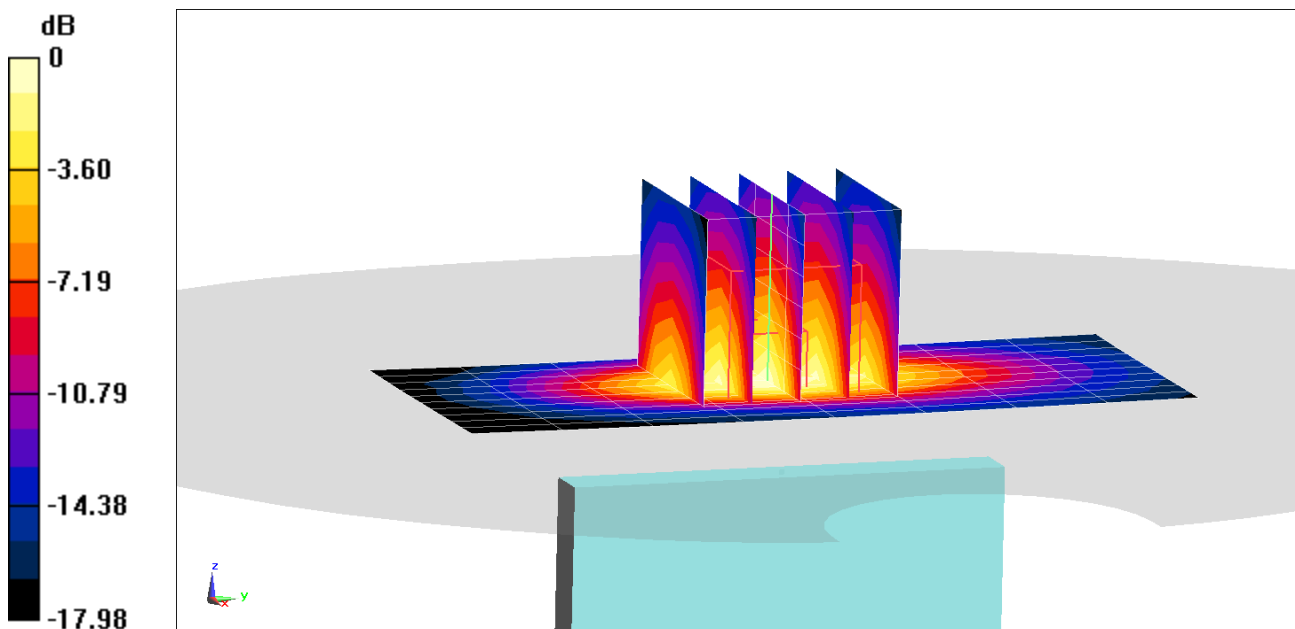
Reference Value = 22.54 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.655 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.4%



0 dB = 0.979 W/kg = -0.09 dBW/kg

PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0012M

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

Medium: 2450 Body; Medium parameters used:

f = 2680.0 MHz; cond = 2.27 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/12/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN3914; ConvF:(7.14,7.14,7.14); 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 41, ULCA Body SAR, Back Side, 20 MHz Bandwidth, QPSK,

PCC: Channel 41490, 1 RB, 0 RB Offset

SCC: Channel 41292, 1 RB, 99 RB Offset

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

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

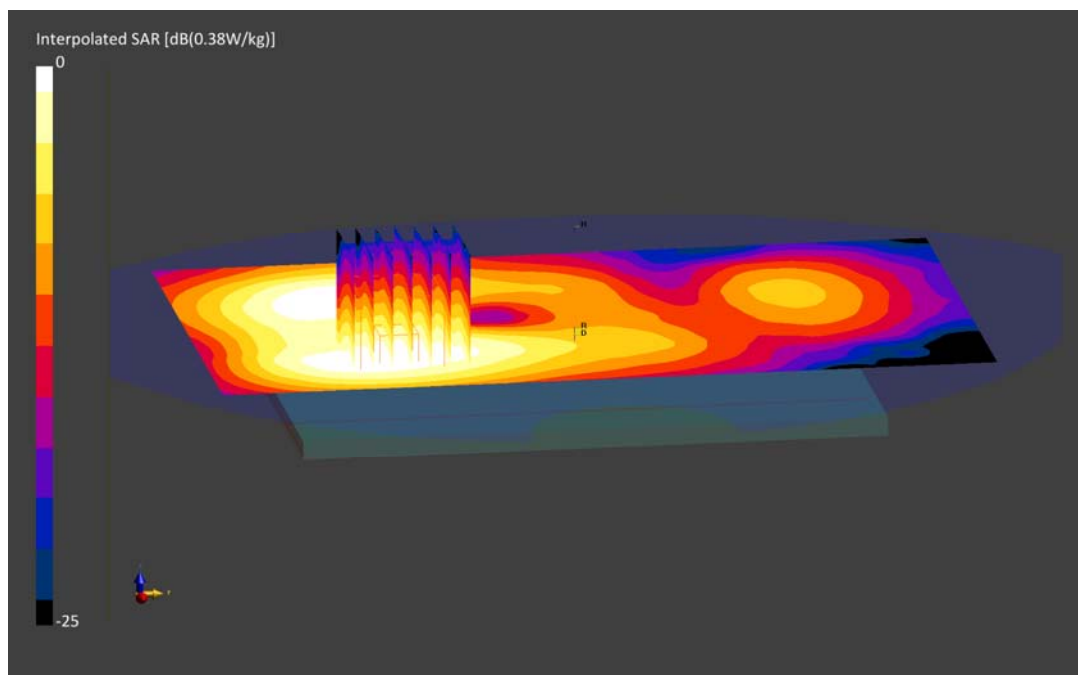
Reference Value = 0.25 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.618 W/kg

SAR(1 g) = 0.304 W/kg

Smallest distance from peaks to all points 3 dB below is 17.0 mm

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



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0012M

Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 2680.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2680.0$ MHz; $\text{cond} = 2.27$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/12/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN3914; ConvF:(7.14,7.14,7.14); 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 41, Body SAR, Left Edge, High.ch,
20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

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

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

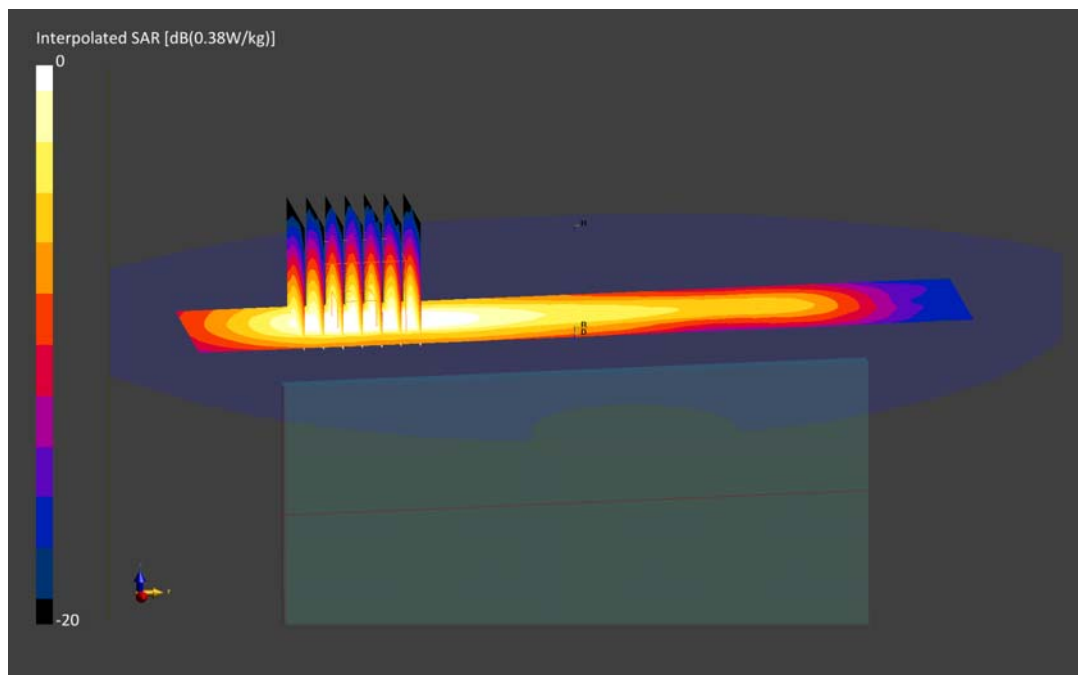
Reference Value = 0.30 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.808 W/kg

SAR(1 g) = 0.363 W/kg

Smallest distance from peaks to all points 3 dB below is 9.0 mm

Ratio of SAR at M2 to SAR at M1 = 77.3 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0008M

Communication System: UID:10591 - AAA, WLAN; MAIA: Y; Frequency: 2437.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2437.0 MHz; cond = 1.98 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/12/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); 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: IEEE 802.11n, 20 MHz Bandwidth, MIMO, Body SAR, Back side, Ch. 6, 13 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

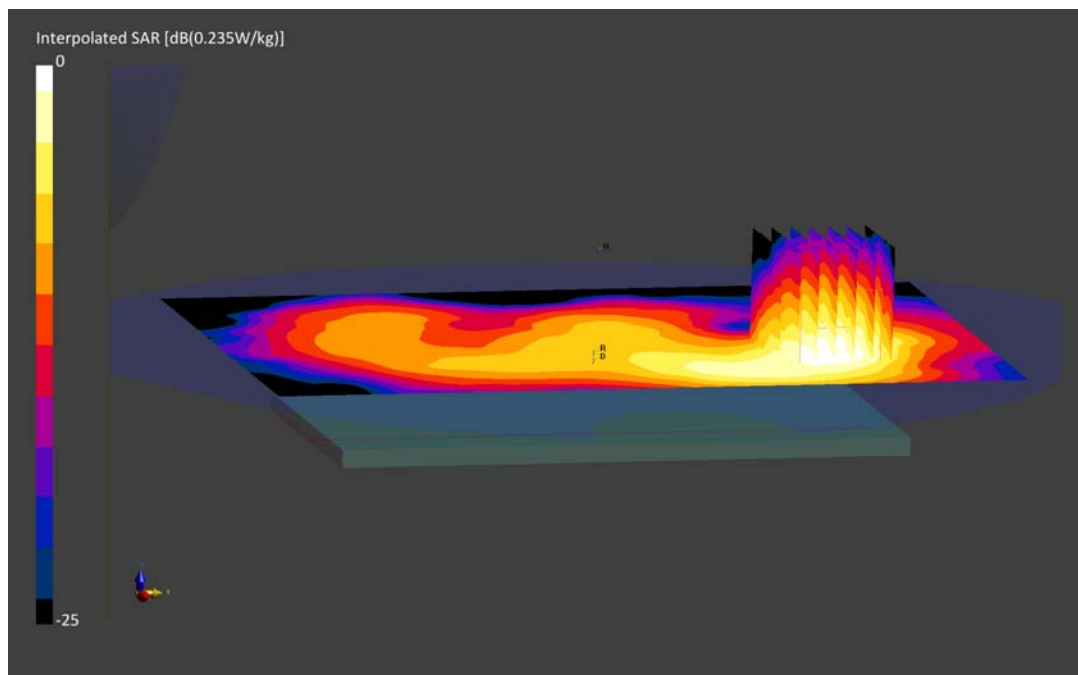
Reference Value = 0.15 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.179 W/kg

Smallest distance from peaks to all points 3 dB below is 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 82.7 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0008M

Communication System: UID:10591 - AAA, WLAN; MAIA: Y; Frequency: 2437.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2437.0 MHz; cond = 1.98 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/12/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); 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: IEEE 802.11n, 20 MHz Bandwidth, MIMO, Body SAR, Back side, Ch. 6, 13 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

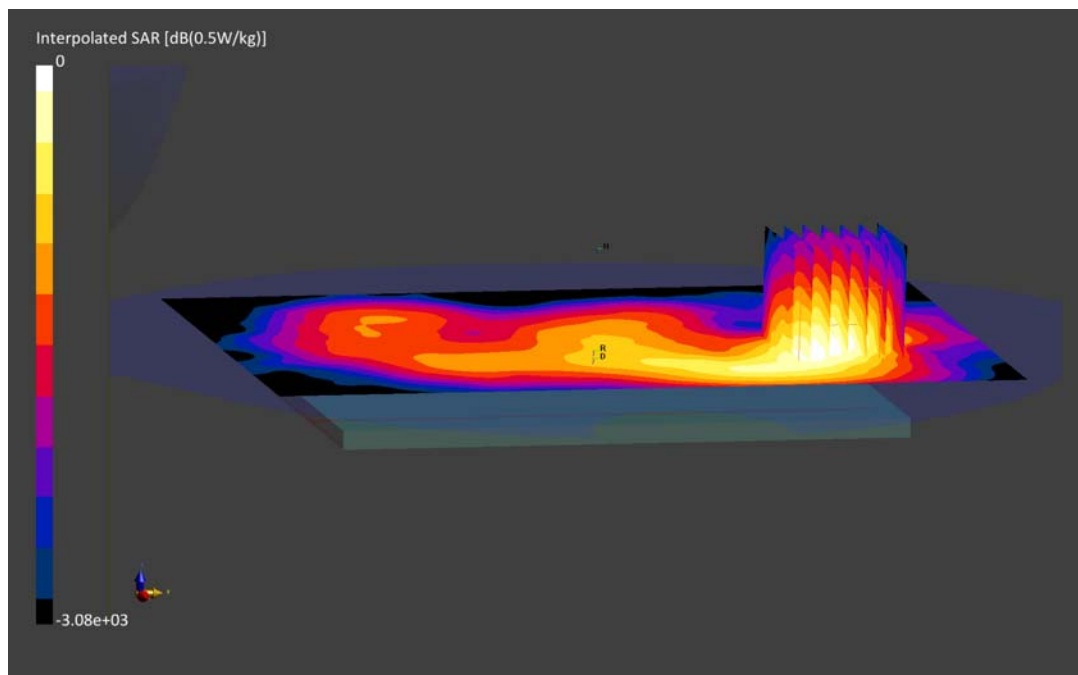
Reference Value = 0.32 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.371 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 = 80.1 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0005M

Communication System: UID:10626 - AAC, CW; MAIA: Y; Frequency: 5855.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5855.0 MHz; cond = 6.27 S/m; perm = 46.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/13/2022; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7552; ConvF:(4.05,4.05,4.05); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1677; Calibrated: 2021-06-22

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

Measurement SW: DASY Module SAR V16.0.0.65

**Mode: IEEE 802.11ac, 80 MHz Bandwidth, UNII-4, MIMO,
Ch. 171, Body SAR, Back side, 58.5 Mbps**

Area Scan (120.0 x 180.0): 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

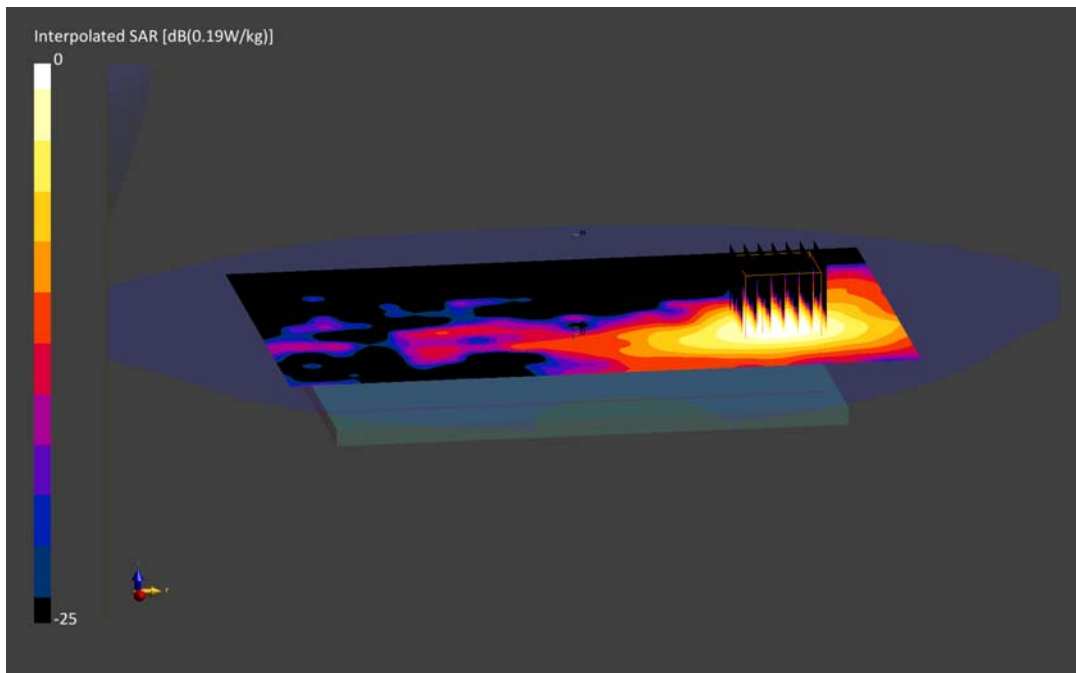
Reference Value = 0.16 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.148 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 = 56.5 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0005M

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

Medium: 5200-5800 Body; Medium parameters used:

f = 5775.0 MHz; cond = 6.17 S/m; perm = 47.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/27/2021; Ambient Temp: 20.3°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7668; ConvF:(4.02,4.02,4.02); Calibrated: 2021-08-04

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

Electronics: DAE4 Sn1272; Calibrated: 2021-03-18

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ac, 80 MHz Bandwidth, UNII-3, MIMO,
Ch. 155, Body SAR, Back side, 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

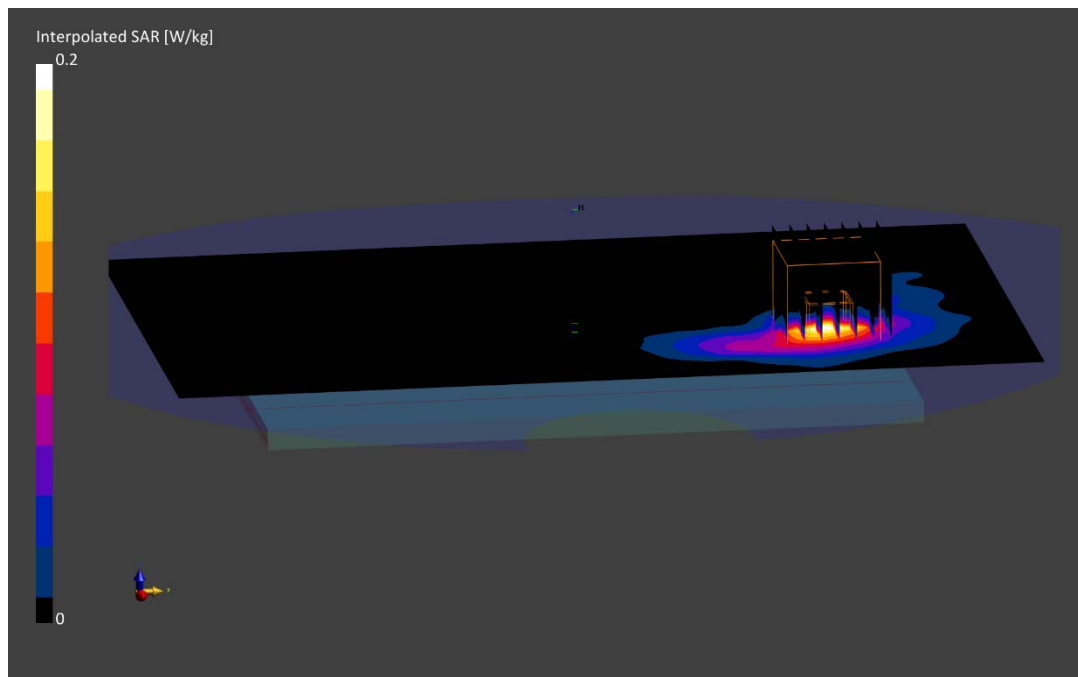
Reference Value = 0.10 W/kg; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.154 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 = 54.0 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0008M

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

Medium: 2450 Body; Medium parameters used:

f = 2402.0 MHz; cond = 1.94 S/m; perm = 51.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/26/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); 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: Bluetooth, Body SAR, Ch. 0, 1Mbps, Back Side

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

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

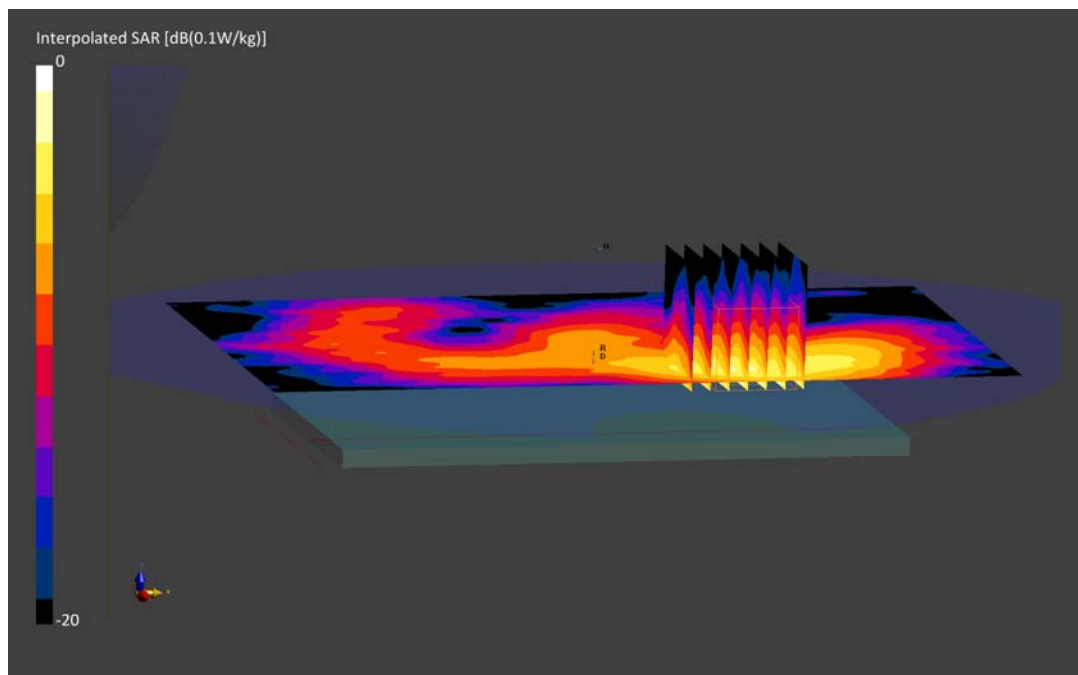
Reference Value = 0.03 W/kg; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.037 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 = 81.9 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0008M

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

Medium: 2450 Body; Medium parameters used:

f = 2402.0 MHz; cond = 1.94 S/m; perm = 51.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/26/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); 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: Bluetooth, Body SAR, Left Edge, Ch. 0, 1Mbps

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

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

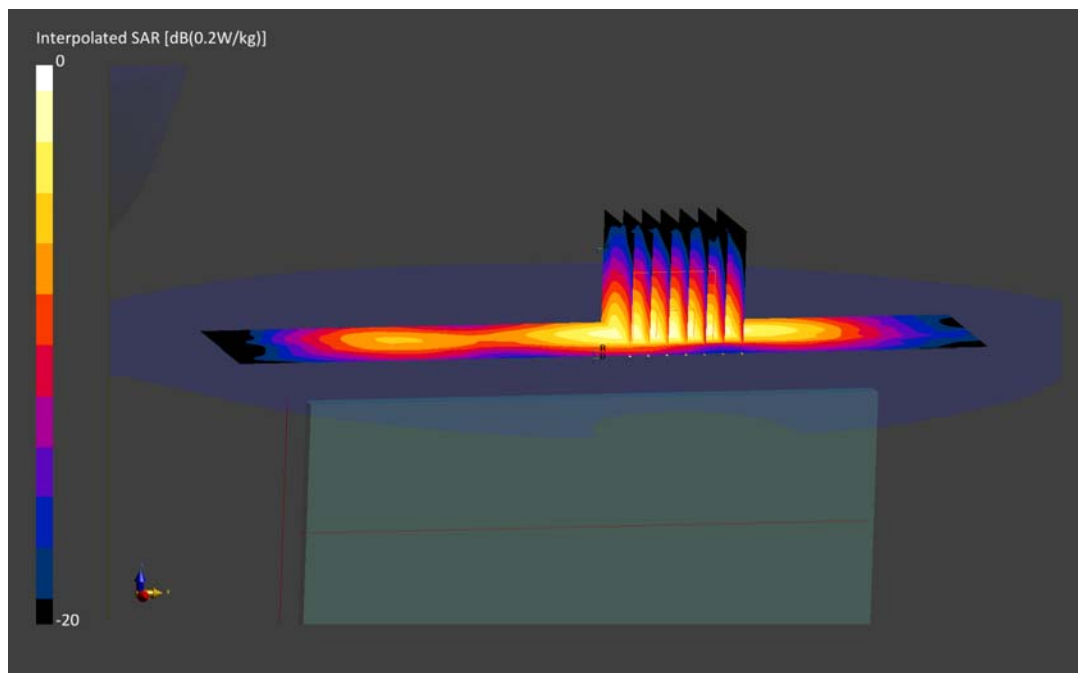
Reference Value = 0.09 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.108 W/kg

Smallest distance from peaks to all points 3 dB below is 8.5 mm

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



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0004M

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

Medium: 1900 Body; Medium parameters used:

f = 1909.8 MHz; cond = 1.58 S/m; perm = 52.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/21/2021; Ambient Temp: 24.9°C; Tissue Temp: 23.6°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, Phablet SAR, Back side, High.ch, 4 Tx Slots

Area Scan (120.0 x 180.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.4 mm; Graded Ratio: 1.4

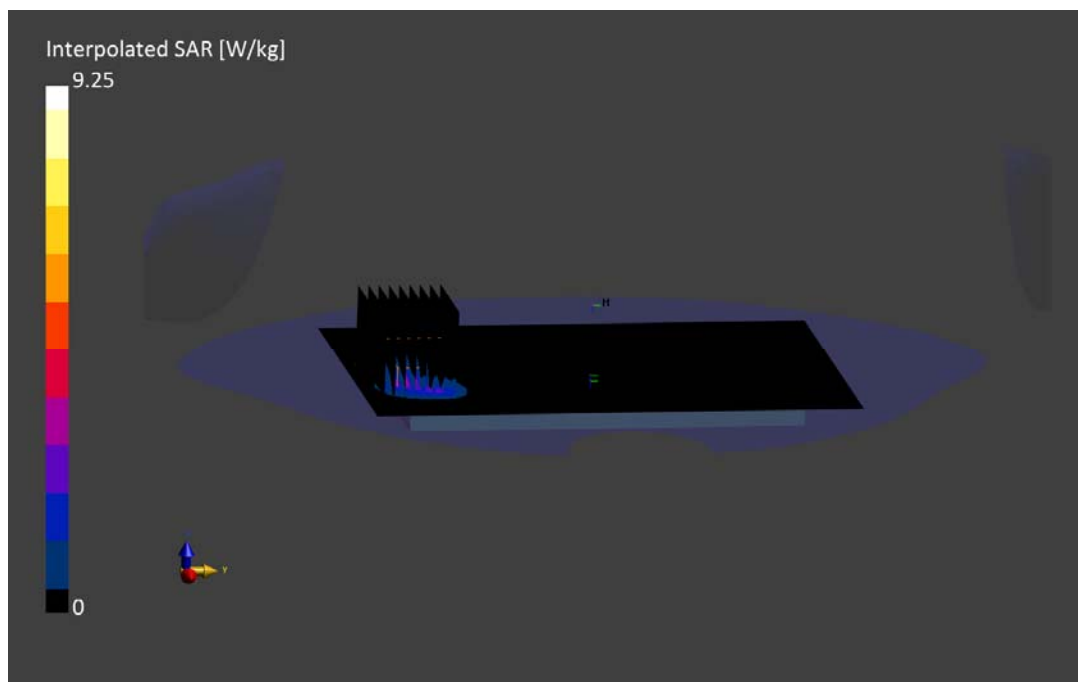
Reference Value = 2.91 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.25 W/kg

SAR(10 g) = 1.11 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 = 67.9 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0007M

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

Medium: 1750 Body; Medium parameters used:

f = 1732.5 MHz; cond = 1.49 S/m; perm = 52.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/21/2021; Ambient Temp: 23.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7357; ConvF:(8.12,8.12,8.12); Calibrated: 2021-04-19

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

Electronics: DAE4 Sn1407; Calibrated: 2021-04-07

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

Measurement SW: DASY Module SAR V16.0.0.116

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

Area Scan (110.0 x 180.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=4.1 mm, dy=4.1 mm, dz=1.5 mm; Graded Ratio: 1.5

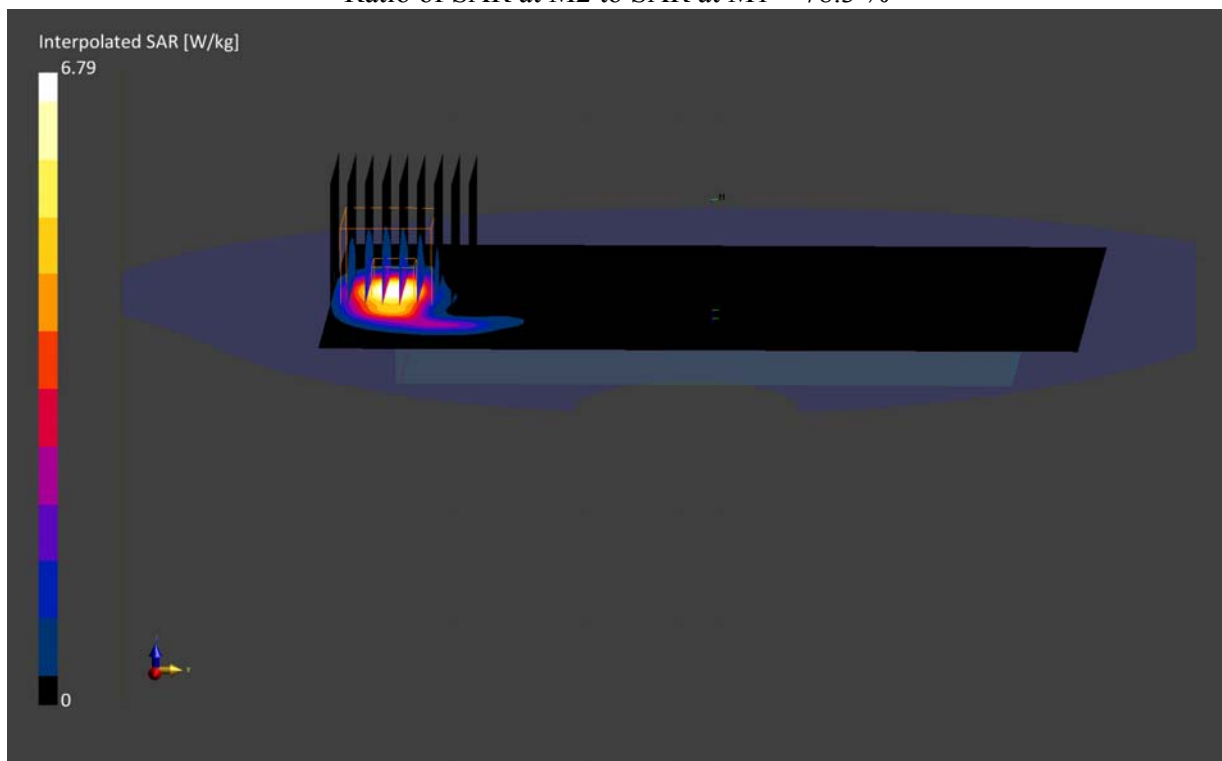
Reference Value = 3.05 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.79 W/kg

SAR(10 g) = 1.29 W/kg

Smallest distance from peaks to all points 3 dB below is 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 78.3 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0012M

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

Medium: 2450 Body; Medium parameters used:

f = 2680.0 MHz; cond = 2.27 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/12/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN3914; ConvF:(7.14,7.14,7.14); 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 41, ULCA, Phablet SAR, Left Edge, 20 MHz Bandwidth,

PCC: Channel 41490, 1 RB, 0 RB Offset

SCC: Channel 41292, 1 RB, 99 RB Offset

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.5 mm, dy=3.5 mm, dz=1.2 mm; Graded Ratio: 1.2

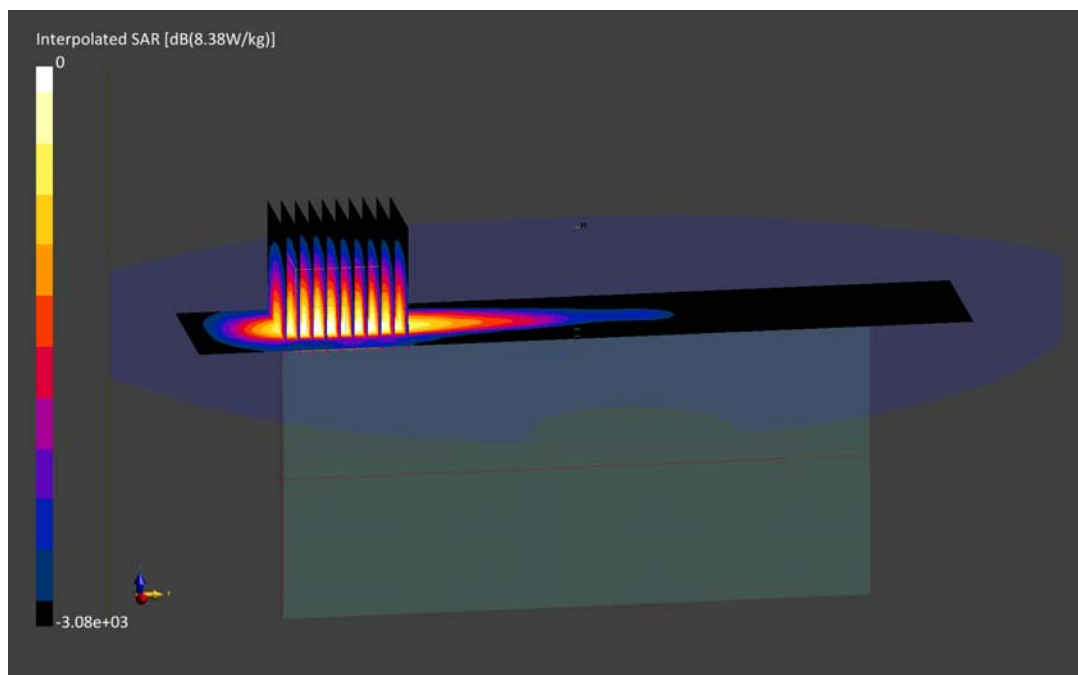
Reference Value = 5.13 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 26.5 W/kg

SAR(10 g) = 1.95 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 = 62.7 %



PCTEST

DUT: A3LSMS901JPN; Type: Portable Handset; Serial: 0005M

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

Medium: 5200-5800 Body; Medium parameters used:

f = 5290.0 MHz; cond = 5.46 S/m; perm = 48.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/27/2021; Ambient Temp: 20.3°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7668; ConvF:(4.61,4.61,4.61); Calibrated: 2021-08-04

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

Electronics: DAE4 Sn1272; Calibrated: 2021-03-18

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.0.0.116

Mode: IEEE 802.11ac, 80 MHz Bandwidth, UNII-2A, Antenna 1, Ch. 58
Phablet SAR, Left Edge, 29.3 Mbps

Area Scan (48.0 x 200.0): Measurement grid: dx=8.0 mm, dy=10.0 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.7 mm, dy=2.7 mm, dz=1.2 mm; Graded Ratio: 1.2

Reference Value = 2.63 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 23.1 W/kg

SAR(10 g) = 0.919 W/kg

Smallest distance from peaks to all points 3 dB below is 3.8 mm

Ratio of SAR at M2 to SAR at M1 = 65.6 %

