

APPENDIX A: SAR TEST DATA

PCTEST

DUT: A3LSMS908U; Type: Portable Handset; Serial: 0861M

Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz

Medium: 3600 Head; Medium parameters used:

$f = 3680.0$ MHz; $\text{cond} = 3.05$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 11/15/2021; Ambient Temp: 21.0°C; Tissue Temp: 19.4°C

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

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Right Head, Cheek, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch.645332, 1 RB, 104 RB Offset**

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

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

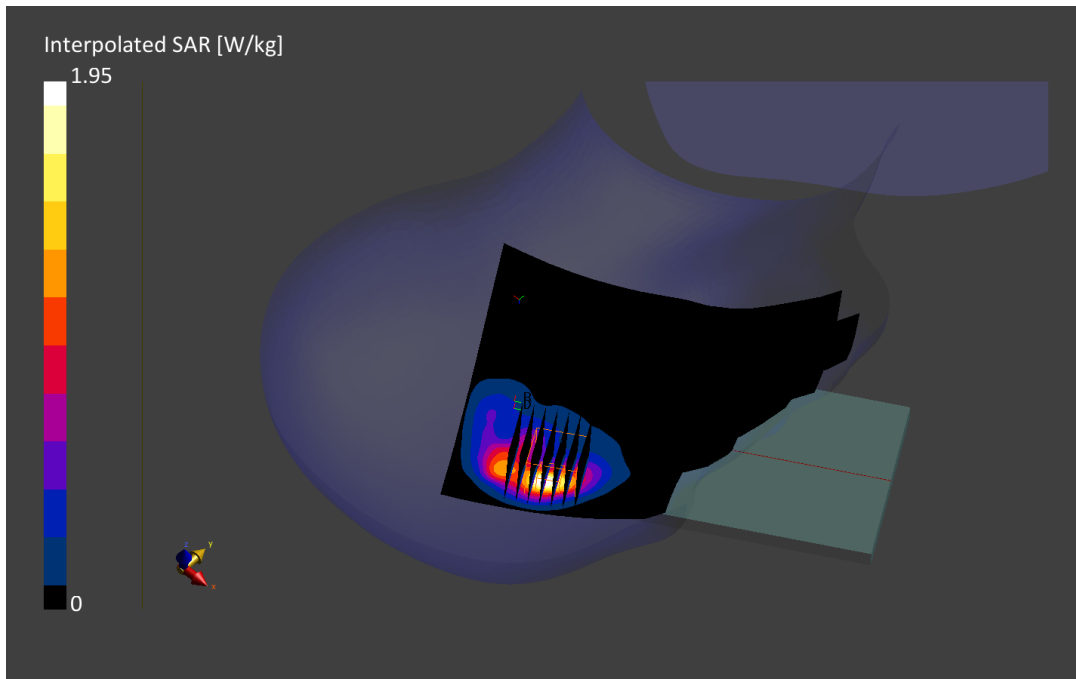
Reference Value = 0.77 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.674 W/kg

Smallest distance from peaks to all points 3 dB below is 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 72.2 %



PCTEST

DUT: A3LSMS908U; Type: Portable Handset; Serial: 0557M

Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3570.0$ MHz; $\text{cond} = 3.34$ S/m; $\text{perm} = 49.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/31/2021; Ambient Temp: 20.1°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7661; ConvF:(6.7,6.7,6.7); Calibrated: 2021-06-28

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

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

Phantom: Twin-SAM V5.0; Serial: 1692 Right Back

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Back side, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch.638000, 1 RB, 104 RB Offset**

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

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

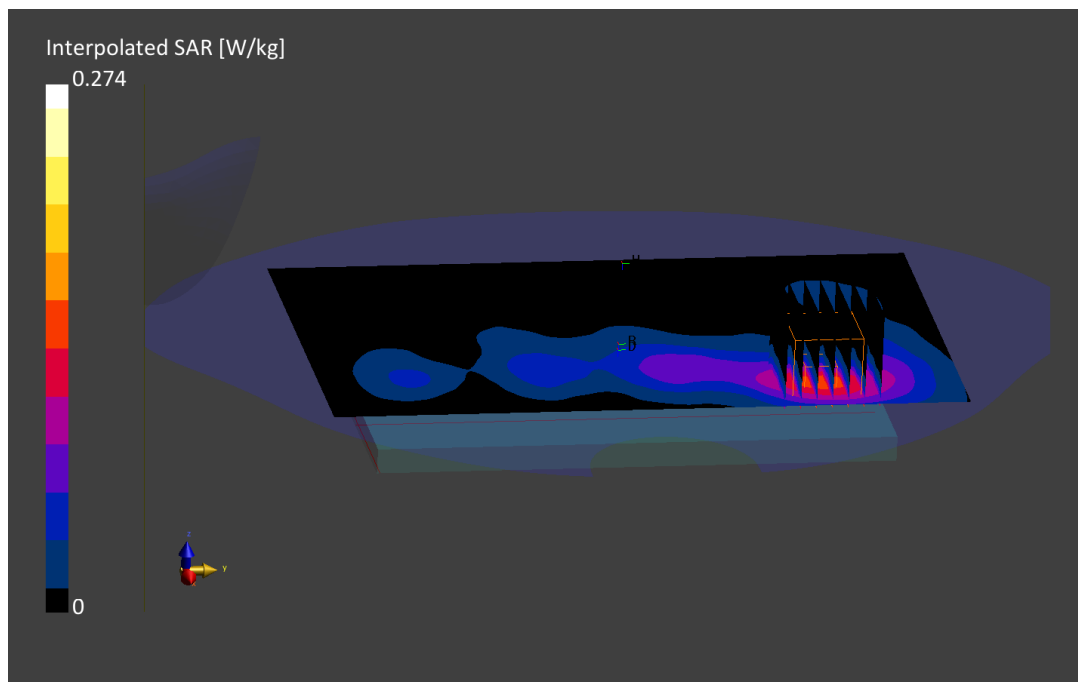
Reference Value = 0.06 W/kg; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.112 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 = 71.8 %



PCTEST

DUT: A3LSMS908U; Type: Portable Handset; Serial: 0557M

Communication System: UID:10924 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3570.0$ MHz; $\text{cond} = 3.34$ S/m; $\text{perm} = 49.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/31/2021; Ambient Temp: 20.1°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7661; ConvF:(6.7,6.7,6.7); Calibrated: 2021-06-28

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

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

Phantom: Twin-SAM V5.0; Serial: 1692 Right Back

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Left Edge, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch.638000, 100 RB, 0 RB Offset**

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

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

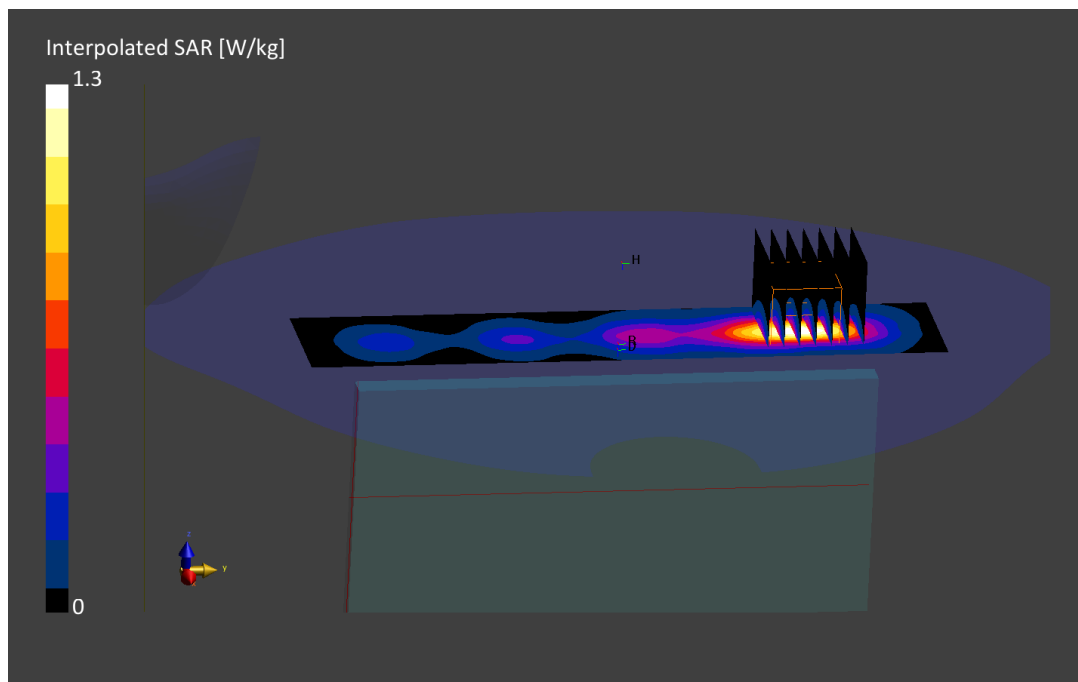
Reference Value = 0.28 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.526 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 75.6 %



PCTEST

DUT: A3LSMS908U; Type: Portable Handset; Serial: 0557M

Communication System: UID:10924 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3570.0$ MHz; $\text{cond} = 3.29$ S/m; $\text{perm} = 49.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/03/2021; Ambient Temp: 20.9°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7661; ConvF:(6.7,6.7,6.7); Calibrated: 2021-06-28

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

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

Phantom: Twin-SAM V5.0; Serial: 1692 Right Back

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Left Edge, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch.638000, 100 RB, 0 RB Offset**

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

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=3.2$ mm, $dy=3.2$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Reference Value = 3.13 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 34.2 W/kg

SAR(10 g) = 2.48 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 = 67.9 %

