

APPENDIX A: SAR TEST DATA

PCTEST

DUT: A3LSMS906U; Type: Portable Handset; Serial: 0360M

Communication System: UID:10913 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Head; Medium parameters used:

f = 3570.0 MHz; cond = 2.85 S/m; perm = 39.5; density = 1000 kg/m³

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 10/25/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7670; ConvF:(7.14,7.14,7.14); 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, Ch.638000, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, 50 RB, 28 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

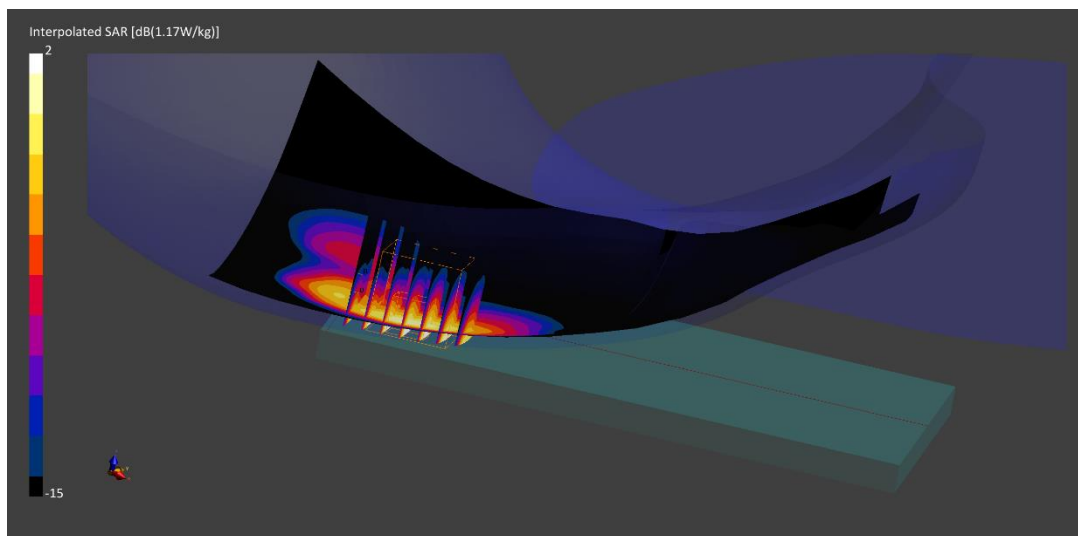
Reference Value = 0.93 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.856 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 = 74.0 %



PCTEST

DUT: A3LSMS906U; Type: Portable Handset; Serial: 0360M

Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3625.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3625.0 MHz; cond = 3.41 S/m; perm = 49.2; 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:(6.66,6.66,6.66); Calibrated: 2021-06-28

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

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

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

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Back side, Ch.641666, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

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

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

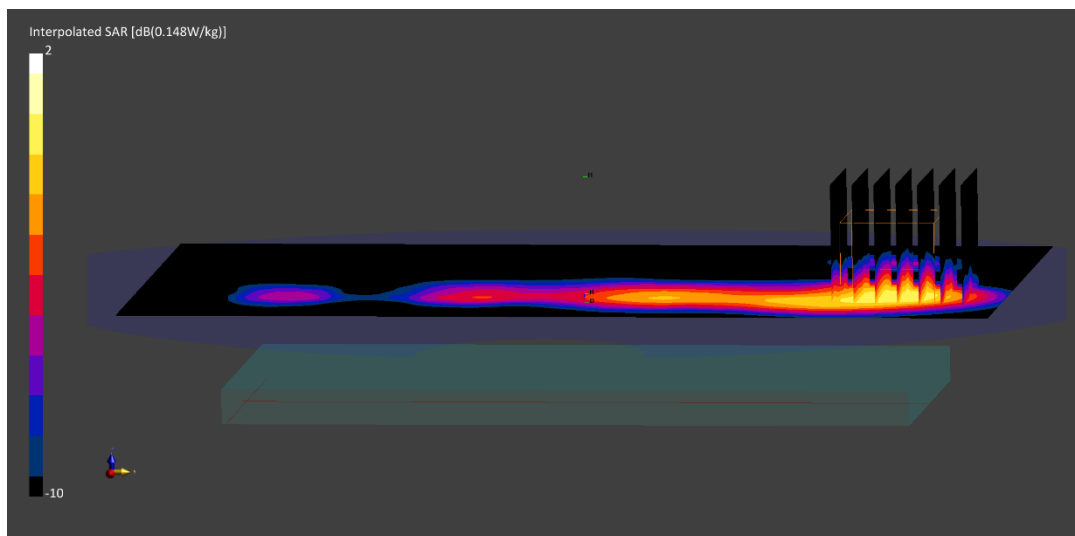
Reference Value = 0.07 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.114 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 74.5 %



PCTEST

DUT: A3LSMS906U; Type: Portable Handset; Serial: 0360M

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3625.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3625.0 MHz; cond = 3.41 S/m; perm = 49.2; 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:(6.66,6.66,6.66); Calibrated: 2021-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1450; Calibrated: 2021-08-16
Phantom: Twin-SAM V5.0; Serial: 1692 Right Back
Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Left edge, Ch.641666, 40 MHz Bandwidth,
CP-OFDM QPSK, 1 RB, 1 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

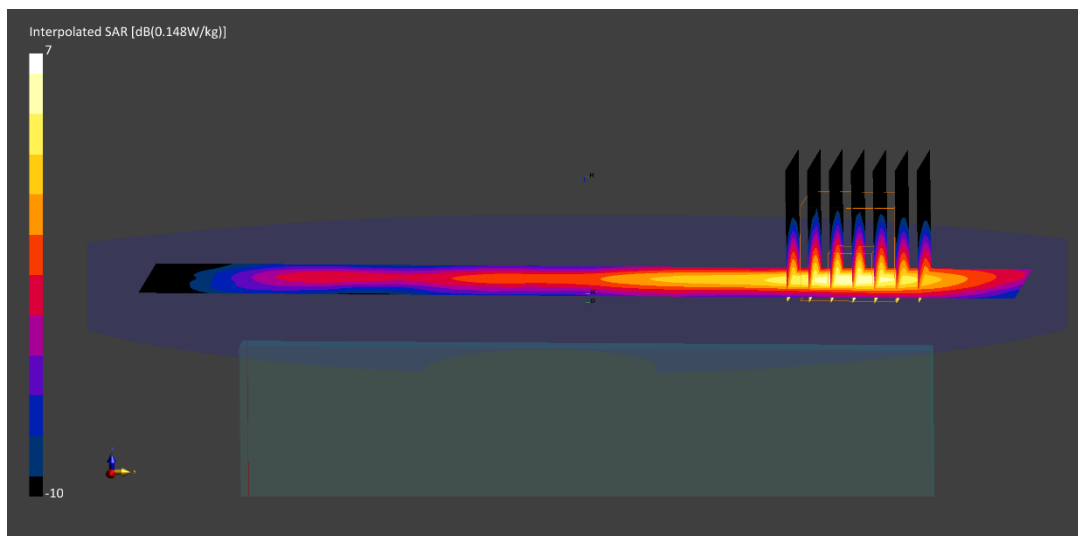
Reference Value = 0.22 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.901 W/kg

SAR(1 g) = 0.358 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 75.8 %



PCTEST

DUT: A3LSMS906U; Type: Portable Handset; Serial: 0355M

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; cond = 3.34 S/m; perm = 49.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 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, Ch.638000, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, 1 RB, 1 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=3.1 mm, dy=3.1 mm, dz=1.2 mm; Graded Ratio: 1.2

Reference Value = 5.23 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(10 g) = 2.20 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 = 72.8 %

