

## APPENDIX A: SAR TEST DATA

# PCTEST

**DUT: A3LSMF711U; Type: Portable Handset; Serial: 0223M**

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz

Medium: 3600 Head; Medium parameters used:

f = 3680.0 MHz; cond = 3.05 S/m; perm = 38.2; density = 1000 kg/m<sup>3</sup>

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 05/21/2021; Ambient Temp: 22.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.55,6.55,6.55); Calibrated: 2020-10-20

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

Electronics: DAE4 Sn1415; Calibrated: 2021-03-10

Phantom: Twin-SAM V8.0 (Right); Serial: 1966

Measurement SW: cDASY6 Module SAR V6.14.0.959

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

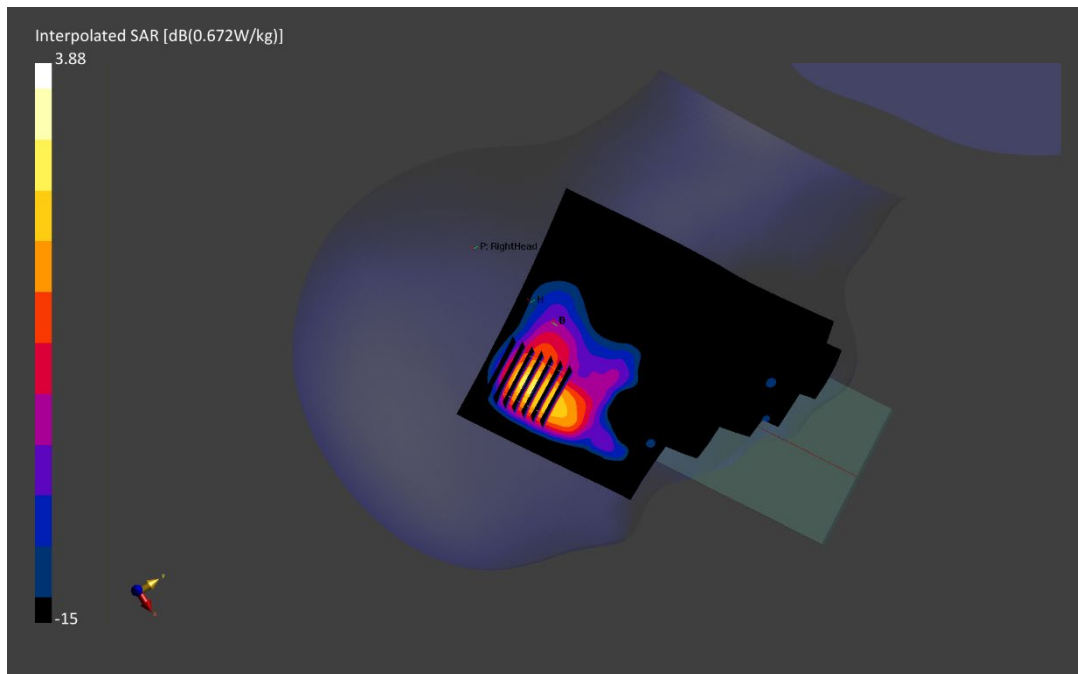
**Area Scan (120.0 x 200.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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 = 0.72 W/kg; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.64 W/kg

**SAR(1 g) = 0.565 W/kg**



# PCTEST

**DUT: A3LSMF711U; Type: Portable Handset; Serial: 0223M**

Communication System: UID:10913 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3680.0 MHz; cond = 3.53 S/m; perm = 49.4; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/27/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7551; ConvF:(6.41,6.41,6.41); Calibrated: 2020-10-20

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

Electronics: DAE4 Sn1333; Calibrated: 2020-10-16

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

Measurement SW: cDASY6 Module SAR V6.14.0.959

**Mode: NR Band n48 Open, Body SAR, Back side, 40 MHz Bandwidth  
DFT-s-OFDM QPSK, Ch.645332, 50 RB, 56 RB Offset**

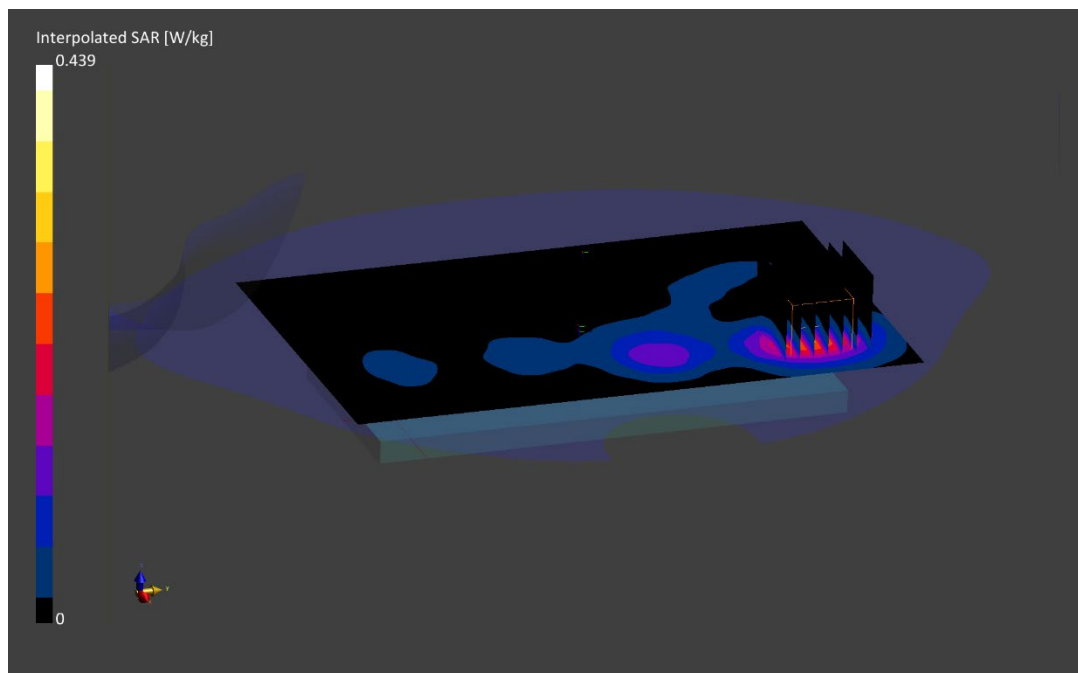
**Area Scan (120.0 x 200.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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 = 0.26 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.439 W/kg

**SAR(1 g) = 0.188 W/kg**



# PCTEST

**DUT: A3LSMF711U; Type: Portable Handset; Serial: 1552M**

Communication System: UID:10924 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3680.0 MHz; cond = 3.48 S/m; perm = 50.5; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 5.00 mm

Test Date: 06/03/2021; Ambient Temp: 23.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7539; ConvF:(6.48,6.48,6.48); Calibrated: 2020-10-20

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

Electronics: DAE4 Sn1415; Calibrated: 2021-03-10

Phantom: Twin-SAM V5.0 (Left); Serial: 1630

Measurement SW: cDASY6 Module SAR V6.14.0.959

**Mode: NR Band n48 Closed, Body SAR, Left edge, 40 MHz Bandwidth  
DFT-s-OFDM QPSK, Ch.645332, 100 RB, 0 RB Offset**

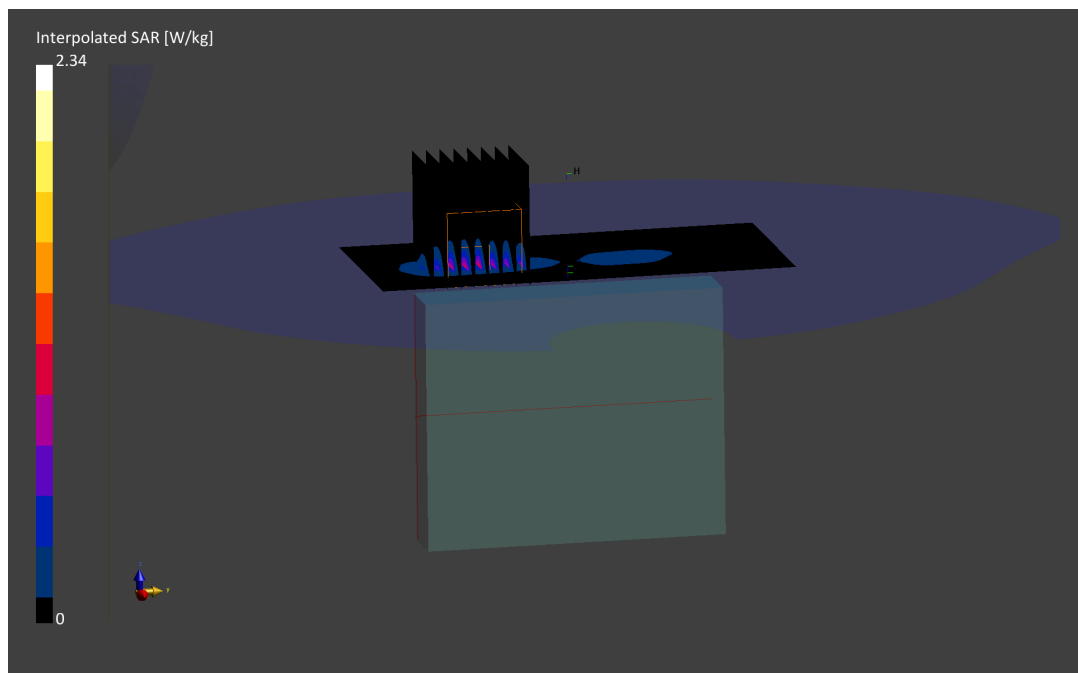
**Area Scan (40.0 x 40.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm

**Zoom Scan (28.0 x 28.0 x 28.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Reference Value = 1.10 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 0.752 W/kg**



# PCTEST

**DUT: A3LSMF711U; Type: Portable Handset; Serial: 0223M**

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3680.0 MHz; cond = 3.55 S/m; perm = 49.6; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/18/2021; Ambient Temp: 22.0°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.41,6.41,6.41); Calibrated: 2020-10-20

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

Electronics: DAE4 Sn1333; Calibrated: 2020-10-16

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

Measurement SW: cDASY6 Module SAR V6.14.0.959

**Mode: NR Band n48, Phablet SAR, Left edge, 40 MHz Bandwidth  
CP-OFDM QPSK, Ch.645332, 1 RB, 1 RB Offset**

**Area Scan (50.0 x 60.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm

**Zoom Scan (28.0 x 28.0 x 28.0):** Measurement grid: dx=3.6 mm, dy=3.6 mm, dz=1.4 mm; Graded Ratio: 1.4

Reference Value = 14.07 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 37.4 W/kg

**SAR(10 g) = 2.41 W/kg**

