

APPENDIX A: SAR TEST DATA

PCTEST

DUT: A3LSMF926U; Type: Portable Handset; Serial: 0356M

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Head; Medium parameters used:

$f = 3570.0$ MHz; $\text{cond} = 2.96$ S/m; $\text{perm} = 39.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 05/23/2021; Ambient Temp: 22.1°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7539; ConvF:(6.76,6.76,6.76); 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: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Left Head, Tilt, Ch.638000, 40 MHz Bandwidth,
CP-OFDM QPSK, 1 RB, 1 RB Offset**

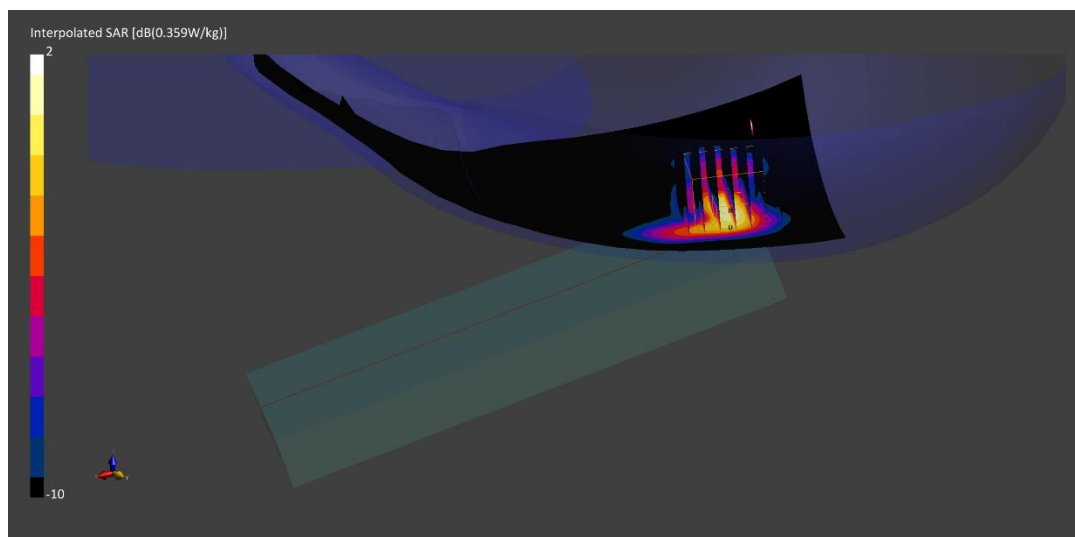
Area Scan (100.0 x 200.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=4.7$ mm, $dy=4.7$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Reference Value = 0.36 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.694 W/kg

SAR(1 g) = 0.247 W/kg



PCTEST

DUT: A3LSMF926U; Type: Portable Handset; Serial: 0356M

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

Medium: 3600 Body; Medium parameters used:

f = 3570.0 MHz; cond = 3.43 S/m; perm = 49.5; density = 1000 kg/m³

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:(6.31,6.31,6.31); 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: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Back side, Ch.638000, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, 50 RB, 56 RB Offset**

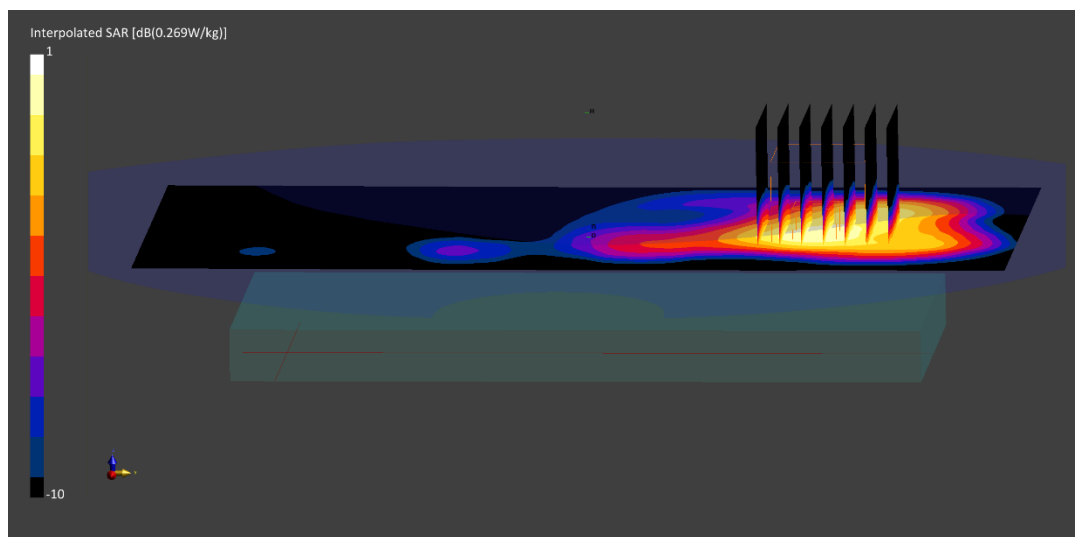
Area Scan (100.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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 = 0.27 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.213 W/kg



PCTEST

DUT: A3LSMF926U; Type: Portable Handset; Serial: 0356M

Communication System: UID:10797 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3570.0$ MHz; $\text{cond} = 3.43$ S/m; $\text{perm} = 50.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 01/03/2022; Ambient Temp: 21.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7670; ConvF:(6.52,6.52,6.52); Calibrated: 2021-08-05

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

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

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Top Edge, Ch.638000, 40 MHz Bandwidth,
CP-OFDM QPSK, 1 RB, 1 RB Offset**

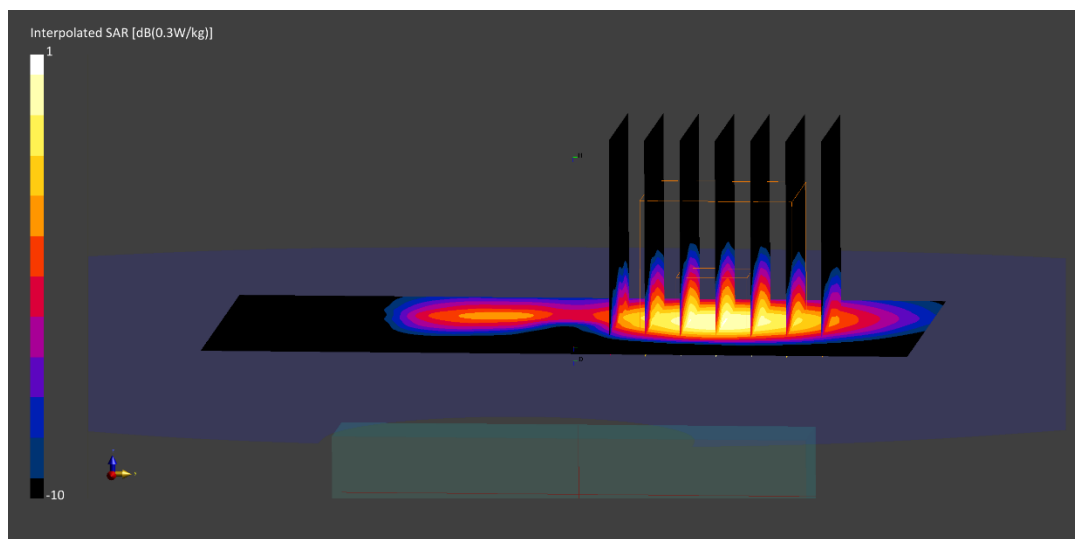
Area Scan (60.0 x 100.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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 = 0.23 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.604 W/kg

SAR(1 g) = 0.252 W/kg



PCTEST

DUT: A3LSMF926U; Type: Portable Handset; Serial: 0356M

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 = 3.42 S/m; perm = 49.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 05/31/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.31,6.31,6.31); 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: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, UMPC Body SAR, Back side, Ch.638000, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, 50 RB, 56 RB Offset**

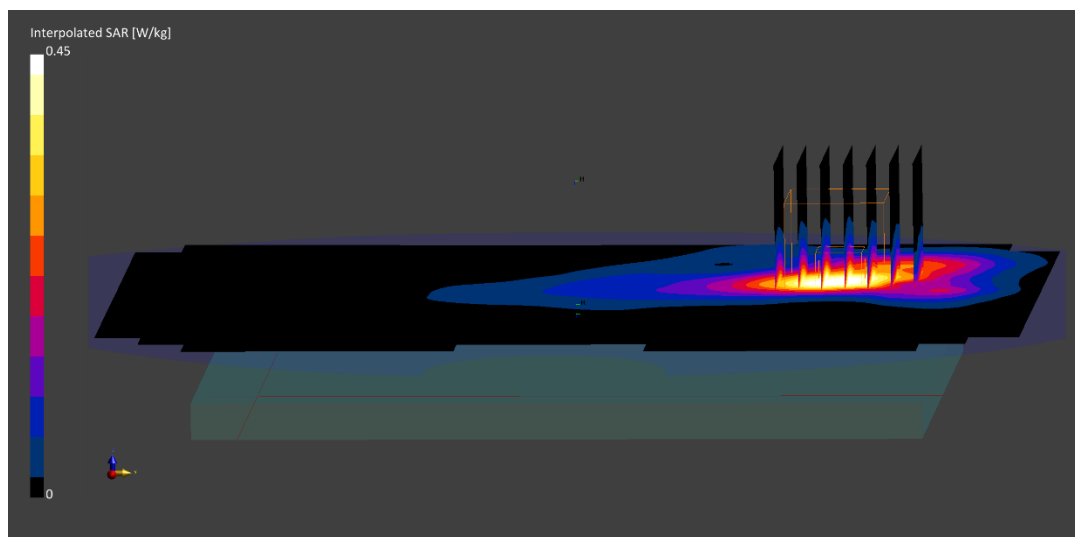
Area Scan (160.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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 = 0.51 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.913 W/kg

SAR(1 g) = 0.387 W/kg



PCTEST

DUT: A3LSMF926U; Type: Portable Handset; Serial: 0356M

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; $\text{cond} = 3.52$ S/m; $\text{perm} = 49.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/31/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°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: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, UMPC Extremity SAR, Top Edge, Ch.645332, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, 50 RB, 56 RB Offset**

Area Scan (40.0 x 160.0): 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 = 17.46 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 41.3 W/kg

SAR(10 g) = 2.55 W/kg

