

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: PY7-57325M; Type: Portable Handset; Serial: 00841

Communication System: UID:10829 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2593.0 MHz; cond = 2.02 S/m; perm = 38.8; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 05/08/2022; Ambient Temp: 20.3°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7410; ConvF:(7.37,7.37,7.37); 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: NR Band n41, Left Head, Cheek, Ch. 518598,
100 MHz Bandwidth, CP-OFDM QPSK, 273 RB, 0 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

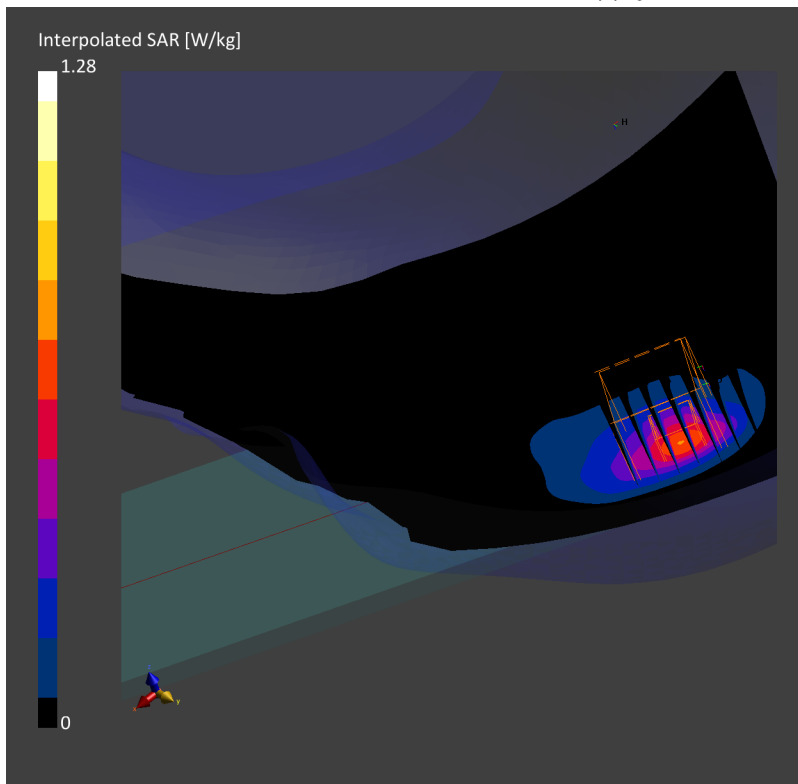
Reference Value = 0.44 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.553 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 77.0 %



ELEMENT

DUT: PY7-57325M; Type: Portable Handset; Serial: 01187

Communication System: UID:10829 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3750.0 MHz; cond = 3.06 S/m; perm = 39.1; density = 1000 kg/m³
Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/18/2022; Ambient Temp: 22.6°C; Tissue Temp 21.5°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 n77 Sub Antenna, Left Head, Cheek, Ch. 650000,
100 MHz Bandwidth, CP-OFDM QPSK, 273 RB, 0 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

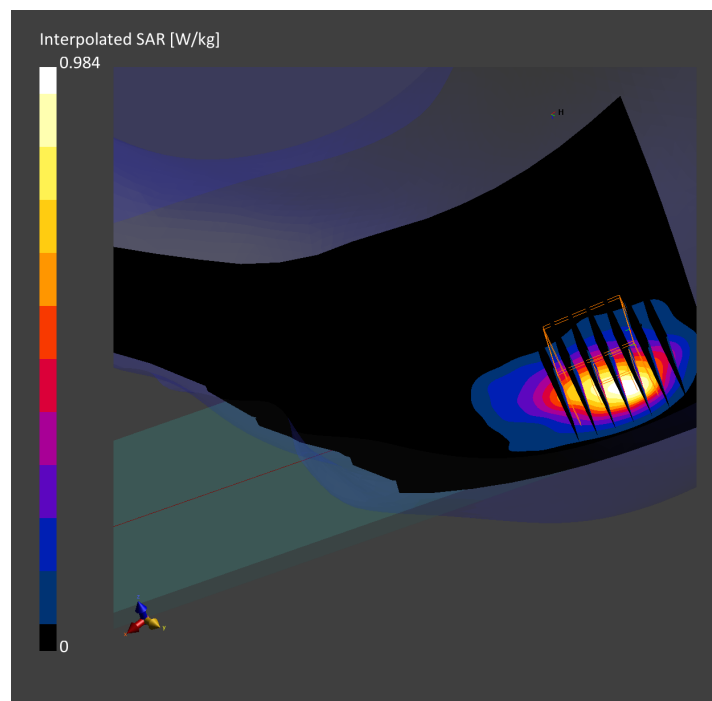
Reference Value = 0.51 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.984 W/kg

SAR(1 g) = 0.402 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 = 79.9 %



ELEMENT

DUT: PY7-57325M; Type: Portable Handset; Serial: 00841

Communication System: UID:10917 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.13 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/10/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n41, Body SAR, Front Side, Ch. 518598,
100 MHz Bandwidth, CP-OFDM QPSK, 137 RB, 136 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

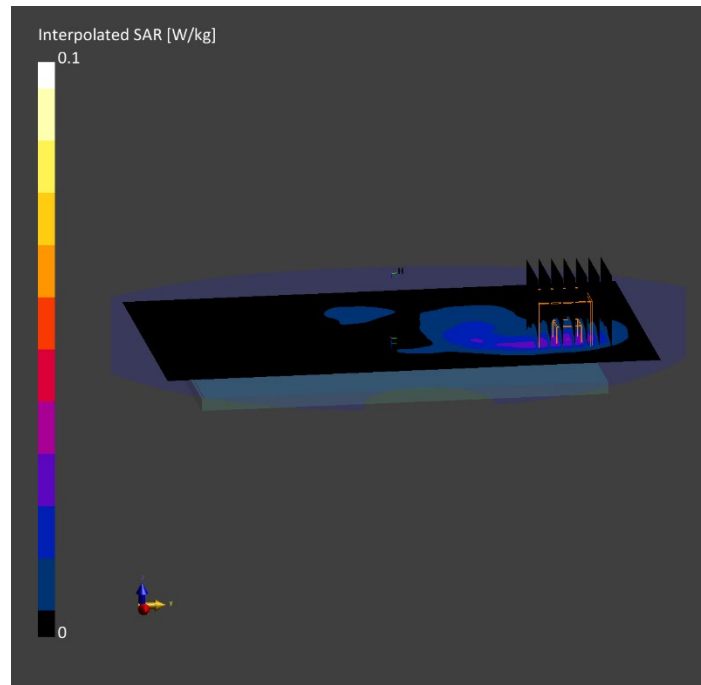
Reference Value = 0.03 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.061 W/kg

SAR(1 g) = 0.027 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 = 74.1 %



ELEMENT

DUT: PY7-57325M; Type: Portable Handset; Serial: 01229

Communication System: UID:10803 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3930.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3930.0 MHz; cond = 3.76 S/m; perm = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/14/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7670; ConvF:(6.39,6.39,6.39); 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 V16.0.2.136

**Mode: NR Band n77, Main 1, Body SAR, Back Side, Ch. 662000,
100 MHz Bandwidth, CP-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

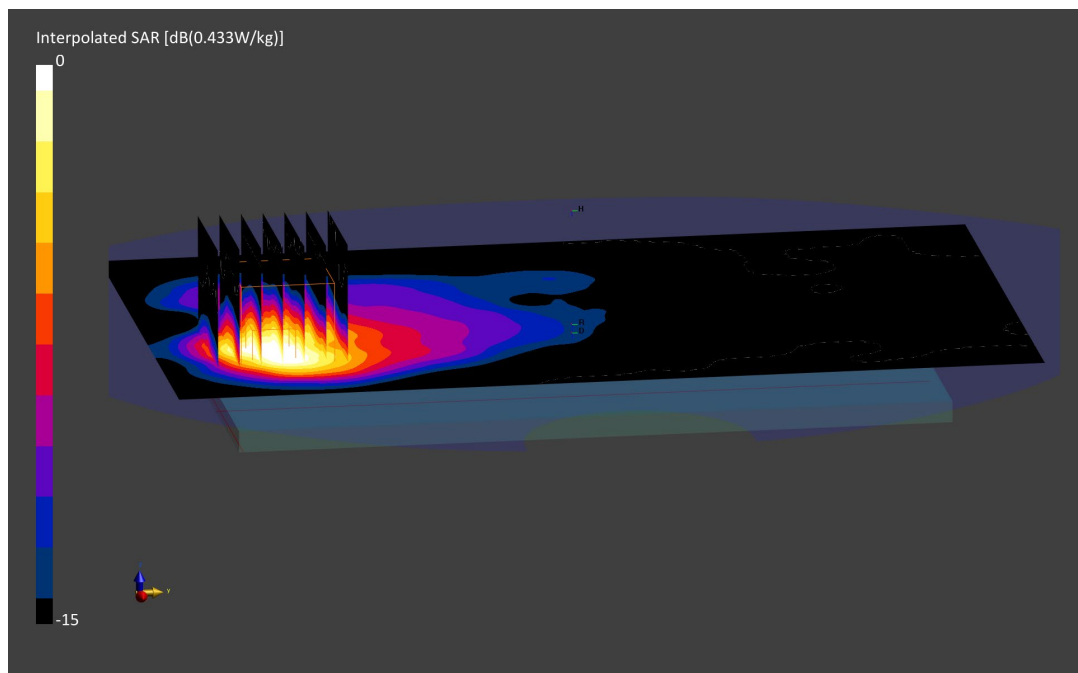
Reference Value = 0.30 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.369 W/kg

Smallest distance from peaks to all points 3 dB below is 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 76.0 %



ELEMENT

DUT: PY7-57325M; Type: Portable Handset; Serial: 00841

Communication System: UID:10917 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 2593.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2593.0 MHz; cond = 2.13 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/10/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7552; ConvF:(7.28,7.28,7.28); Calibrated: 2021-09-20

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

Electronics: DAE4 Sn1680; Calibrated: 2021-08-04

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n41, Body SAR, Right Edge, Ch. 518598,
100 MHz Bandwidth, CP-OFDM QPSK, 137 RB, 136 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

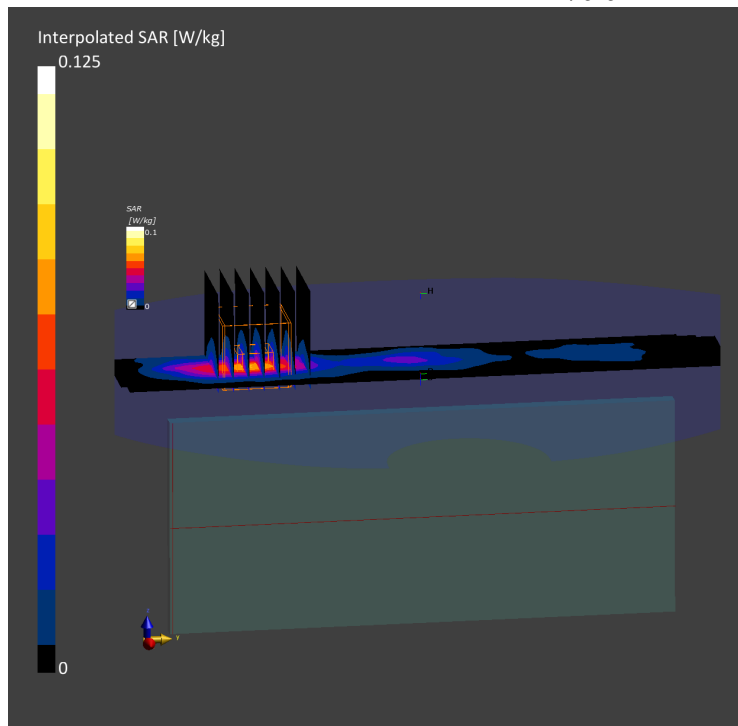
Reference Value = 0.07 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.057 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 = 76.6 %



ELEMENT

DUT: PY7-57325M; Type: Portable Handset; Serial: 01229

Communication System: UID:10917 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3750.0 MHz; cond = 3.52 S/m; perm = 52.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/05/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7670; ConvF:(6.5,6.5,6.5); 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 V16.0.2.136

**Mode: NR Band n77 Main 1 Antenna, Phablet SAR, Back Side, Ch. 650000,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 0 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=2.7 mm, dy=2.7 mm, dz=1.2 mm; Graded Ratio: 1.2

Reference Value = 4.90 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 34.7 W/kg

SAR(10 g) = 1.59 W/kg

Smallest distance from peaks to all points 3 dB below is 3.2 mm

Ratio of SAR at M2 to SAR at M1 = 67.9 %

