

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMI610; Type: Portable Device; Serial: 0073M

Communication System: UID:10012 - CAB, WLAN; MAIA: Y; Frequency: 2462.000 MHz

Medium: 2450 Head; Medium parameters used:

f = 2462.000 MHz; cond = 1.82 S/m; perm = 39.1; density = 1000 kg/m³

Phantom Section: Facedown; Space: 0.00 mm

Test Date: 09/12/2024; Ambient Temp: 22.8°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7659; ConvF:(8.45,8.45,8.45); Calibrated: 2024-04-17

Sensor-Surface: 3.0mm (VMS + 6p)

Electronics: DAE4 Sn1407; Calibrated: 2024-04-18

Phantom: SAM-FaceDown V10.0; Serial: 1045

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna 2, 20 MHz Bandwidth, Exp: Head| Headstand,
Ch. 11, 1Mbps**

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

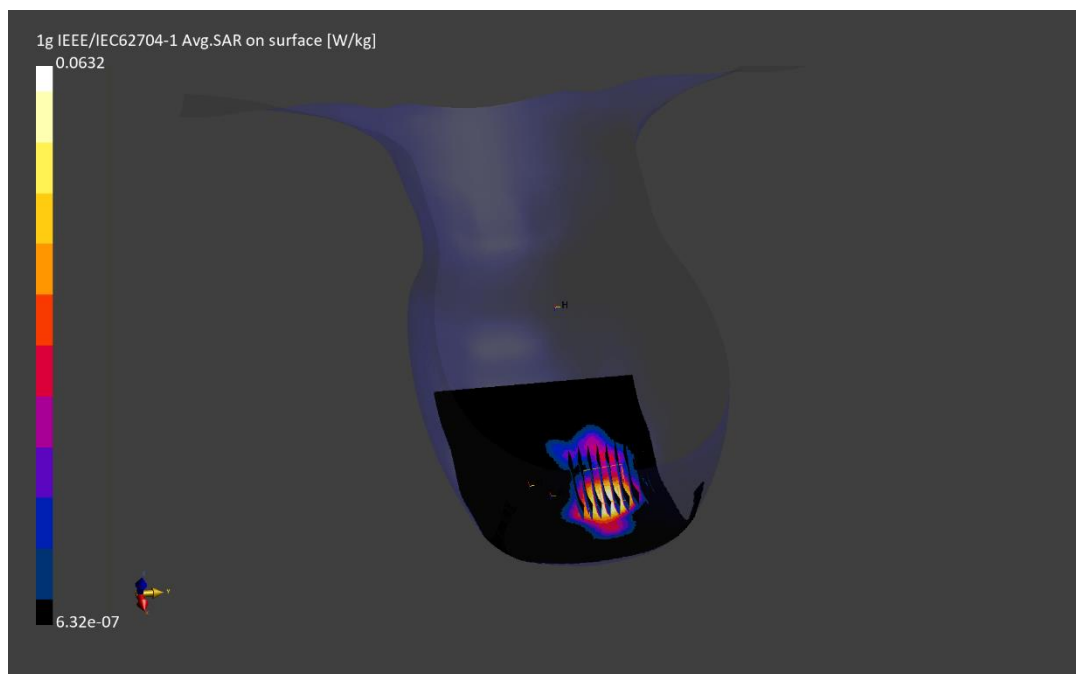
Reference Value = 0.01 W/kg; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.114 W/kg

SAR(1 g) = 0.073 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 = 90.6 %



ELEMENT

DUT: A3LSMI610; Type: Portable Device; Serial: 0073M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2462.000$ MHz; $\text{cond} = 1.80$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 8/12/2024; Ambient Temp: 21.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.52,6.84,6.89); Calibrated: 2024-05-10

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

Electronics: DAE4 Sn728; Calibrated: 2024-05-08

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna 2, 22 MHz Bandwidth, Exp: Extremity| Front Side, Ch. 11, 1Mbps

Area Scan (200.0 x 120.0): 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

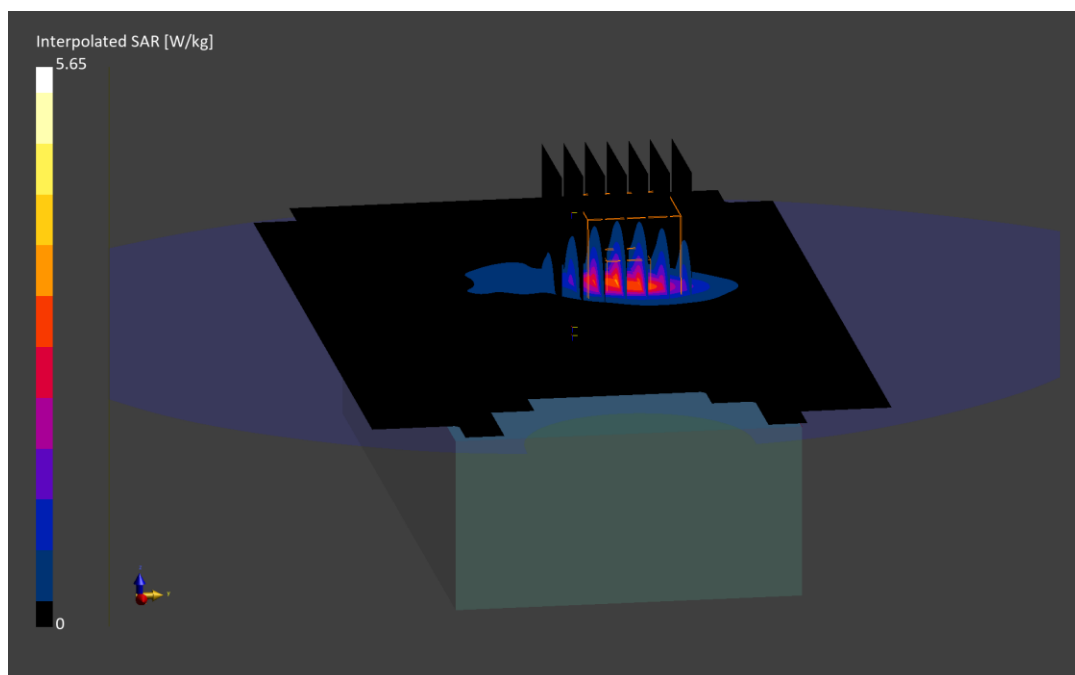
Reference Value = 2.46 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.62 W/kg

SAR(10 g) = 1.06 W/kg

Smallest distance from peaks to all points 3 dB below is 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 80.3 %



ELEMENT

DUT: A3LSMI610; Type: Portable Device; Serial: 0073M

Communication System: UID:10544 - AAD, WLAN; MAIA: Y; Frequency: 5690.000 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5690.000 MHz; cond = 5.07 S/m; perm = 36.8; density = 1000 kg/m³

Phantom Section: Facedown; Space: 0.00 mm

Test Date: 08/26/2024; Ambient Temp: 23.5°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7713; ConvF:(5.08,5.08,5.08); Calibrated: 2024-01-17

Sensor-Surface: 3.0mm (VMS + 6p)

Electronics: DAE4 Sn1530; Calibrated: 2024-01-16

Phantom: SAM-FaceDown V10.0; Serial: G0344

Measurement SW: DASY Module SAR V16.2.4.2524

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna 1, 80 MHz Bandwidth, U-NII-2C, Exp: Head|
Face Down, Ch. 138, 29.3 Mbps**

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

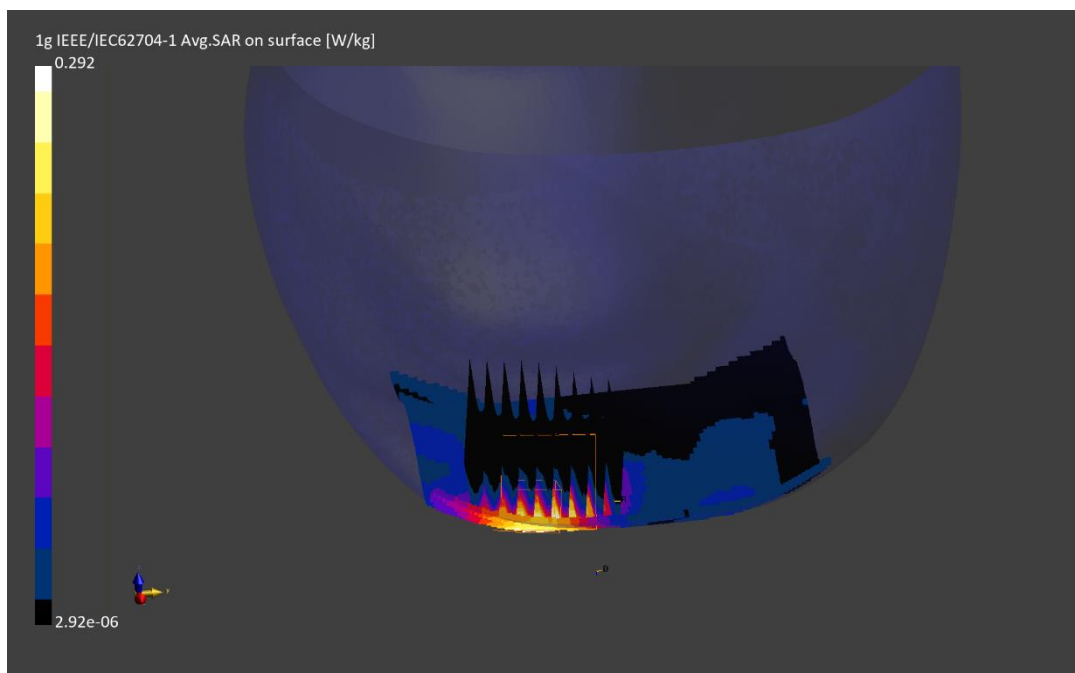
Reference Value = 0.15 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.541 W/kg

SAR(1 g) = 0.233 W/kg

Smallest distance from peaks to all points 3 dB below is 7.7 mm

Ratio of SAR at M2 to SAR at M1 = 77.8 %



ELEMENT

DUT: A3LSMI610; Type: Portable Handset; Serial: 0019M

Communication System: UID:10544 - AAD, WLAN; MAIA: Y; Frequency: 5690.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 5690.000$ MHz; $\text{cond} = 5.03$ S/m; $\text{perm} = 34.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/16/2025; Ambient Temp: 21.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7803; ConvF:(4.79,4.89,4.98); Calibrated: 2024-06-28

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

Electronics: DAE4 Sn1583; Calibrated: 2024-07-08

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

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna 2, 80 MHz Bandwidth, U-NII-2C, Exp:
Extremity| Front Side, Ch. 138, 58.5 Mbps**

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

Zoom Scan (32.0 x 36.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

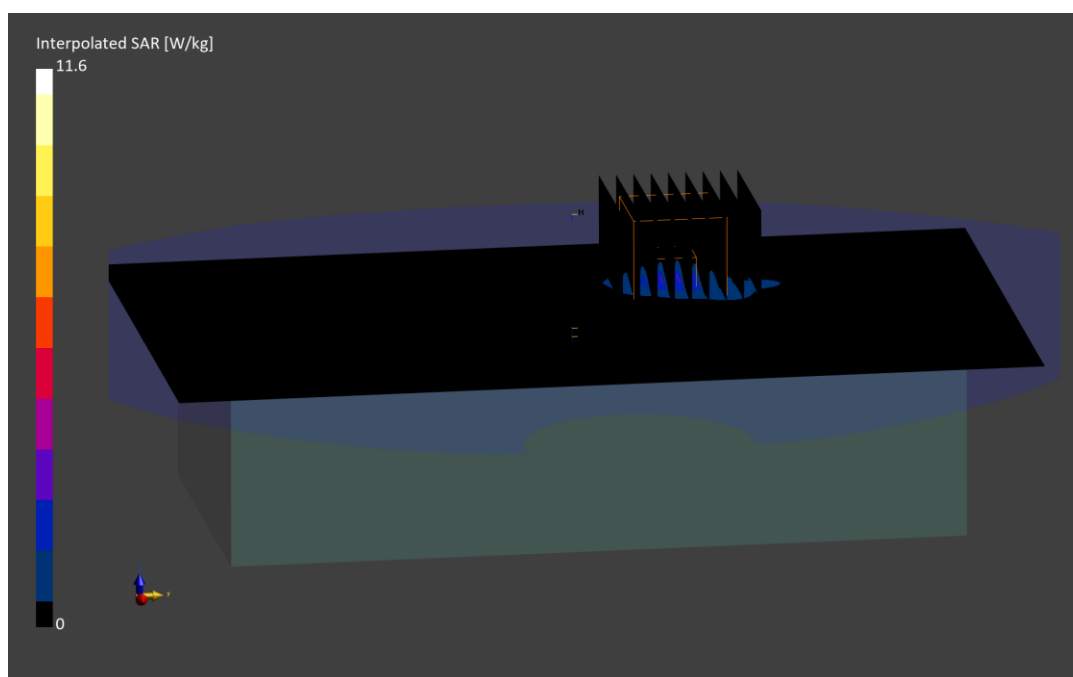
Reference Value = 2.53 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(10 g) = 0.758 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.3 %



ELEMENT

DUT: A3LSMI610; Type: Portable Device; Serial: 0073M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2402.000$ MHz; $\text{cond} = 1.75$ S/m; $\text{perm} = 39.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Facedown; Space: 0.00 mm

Test Date: 04/17/2025; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7713; ConvF:(8.4,7.82,7.61); Calibrated: 2025-01-07

Sensor-Surface: 3.0mm (VMS + 6p)

Electronics: DAE4 Sn1530; Calibrated: 2025-01-13

Phantom: SAM-FaceDown V10.0; Serial: 1045

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth, Antenna 2, Exp: Head| Headstand, Ch. 0, 1 Mbps

Zoom Scan (40.0 x 40.0 x 31.2): Measurement grid: $\text{dx}=5.0$ mm, $\text{dy}=5.0$ mm, $\text{dz}=1.5$ mm; Graded Ratio: 1.5

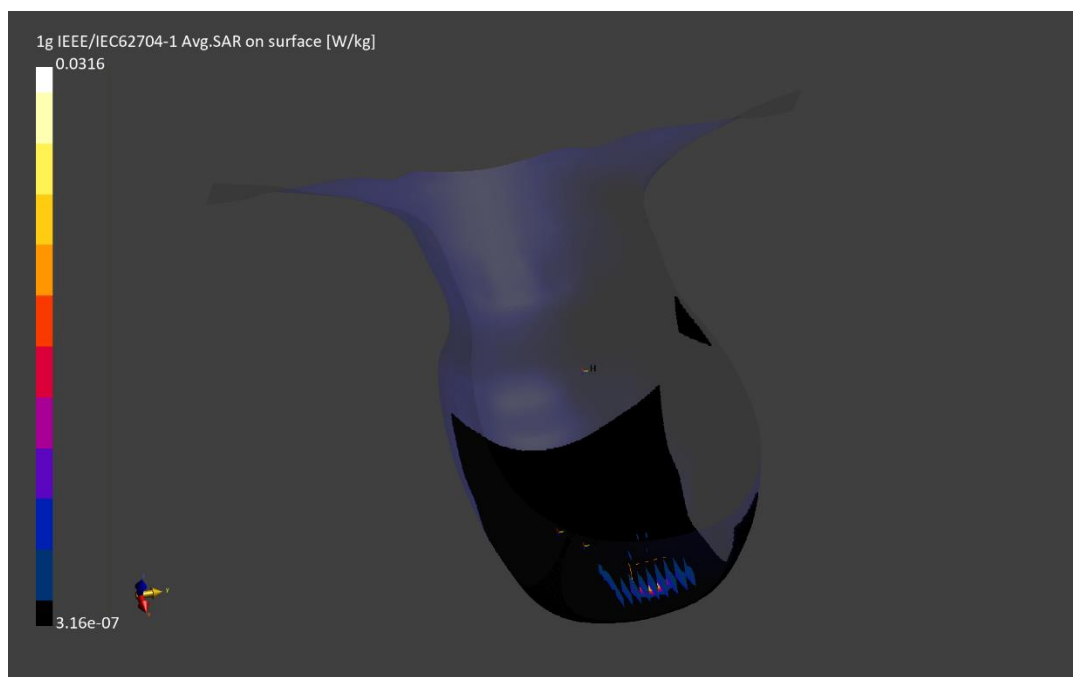
Reference Value = 0.01 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.023 W/kg

Smallest distance from peaks to all points 3 dB below is 23.4 mm

Ratio of SAR at M2 to SAR at M1 = 86.5 %



ELEMENT

DUT: A3LSMI610; Type: Portable Handset; Serial: 0019M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2402.000$ MHz; $\text{cond} = 1.75$ S/m; $\text{perm} = 39.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/26/2024; Ambient Temp: 22.3°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3914; ConvF:(7.52,6.84,6.89); Calibrated: 2024-05-10

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn728; Calibrated: 2024-05-08

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4 GHz Bluetooth, Antenna 2, Exp: Extremity| Front Side, Ch. 39, 1 Mbps

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

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

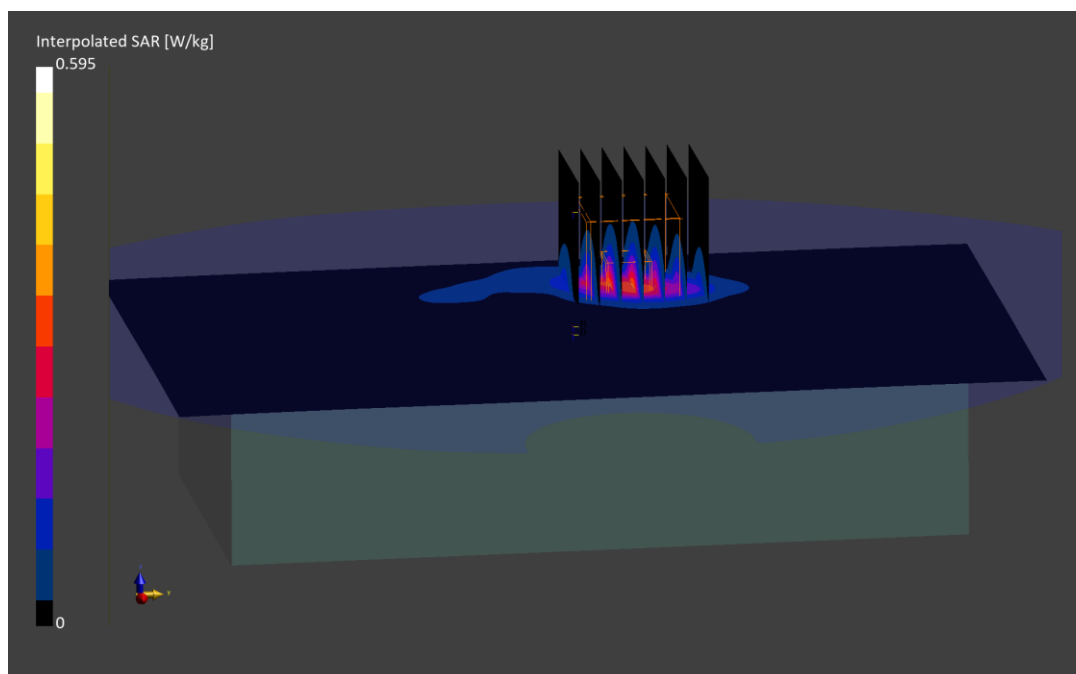
Reference Value = 0.10 W/kg; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(10 g) = 0.125 W/kg

Smallest distance from peaks to all points 3 dB below is 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 80.7 %



ELEMENT

DUT: A3LSMI610; Type: Portable Device; Serial: 0073M

Communication System: UID:11026 - AAC, WLAN; MAIA: Y; Frequency: 6105.000 MHz

Medium: 6000 Head; Medium parameters used:

f = 6105.000 MHz; cond = 5.69 S/m; perm = 35.8; density = 1000 kg/m³

Phantom Section: Facedown; Space: 0.00 mm

Test Date: 09/25/2024; Ambient Temp: 22.8°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7659; ConvF:(5.95,5.95,5.95); Calibrated: 2024-04-17

Sensor-Surface: 3.0mm (VMS)

Electronics: DAE4 Sn1407; Calibrated: 2024-04-18

Phantom: SAM-FaceDown V10.0; Serial: 1045

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 6 GHz WIFI/ IEEE 802.11be, Antenna 1, 320 MHz Bandwidth, U-NII-5, Exp: Head|
Face Down, Ch. 31, 136.1 Mbps**

Zoom Scan (24.0 x 24.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

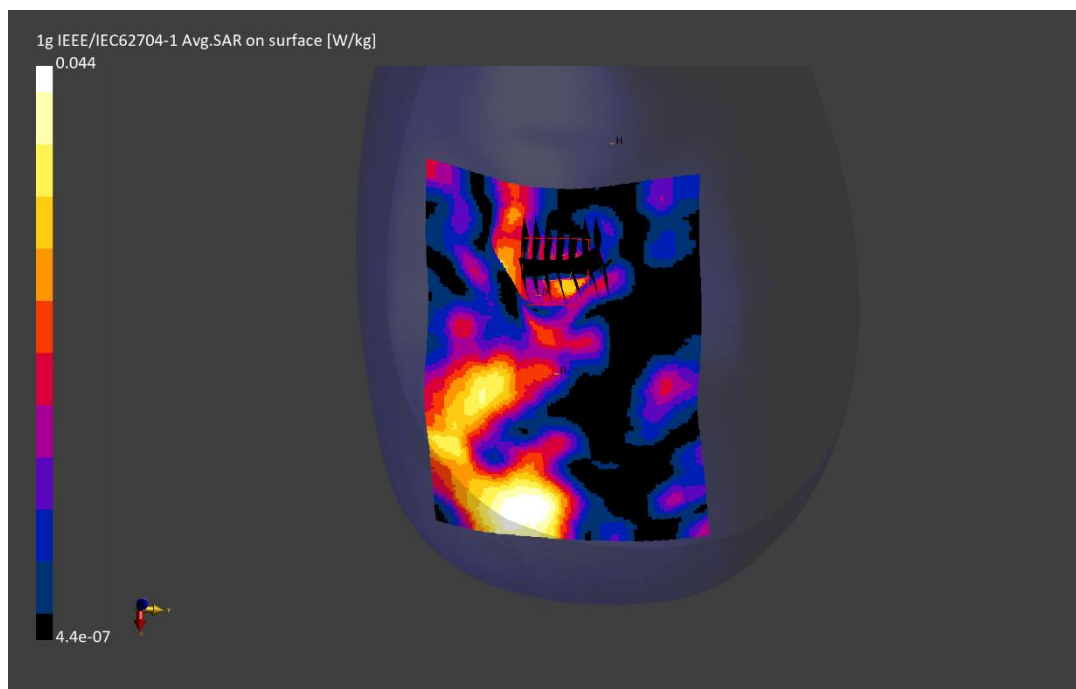
Reference Value = 0.01 W/kg; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.019 W/kg; APD(4cm²) = 0.141 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 72.5 %



ELEMENT

DUT: A3LSMI610; Type: Portable Device; Serial: 1768M

Communication System: UID:11026 - AAB, WLAN; MAIA: Y; Frequency: 6425.000 MHz

Medium: 6000 Head; Medium parameters used:

$f = 6425.000$ MHz; $\text{cond} = 6.01$ S/m; $\text{perm} = 33.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/12/2025; Ambient Temp: 21.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7570; ConvF:(5.35,5.65,5.29); Calibrated: 2025-02-10

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

Electronics: DAE4ip Sn1638; Calibrated: 2025-02-07

Phantom: Twin-SAM V8.0; Serial: 1979

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 6 GHz WIFI/ IEEE 802.11be, Antenna 2, 320 MHz Bandwidth, U-NII-5, Exp: Body-Extremity| Front Side, Ch. 95, 136.1 Mbps

Area Scan (204.0 x 119.0): Measurement grid: $dx=8.5$ mm, $dy=8.5$ mm

Zoom Scan (30.6 x 34.0 x 22.9): Measurement grid: $dx=3.4$ mm, $dy=3.4$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

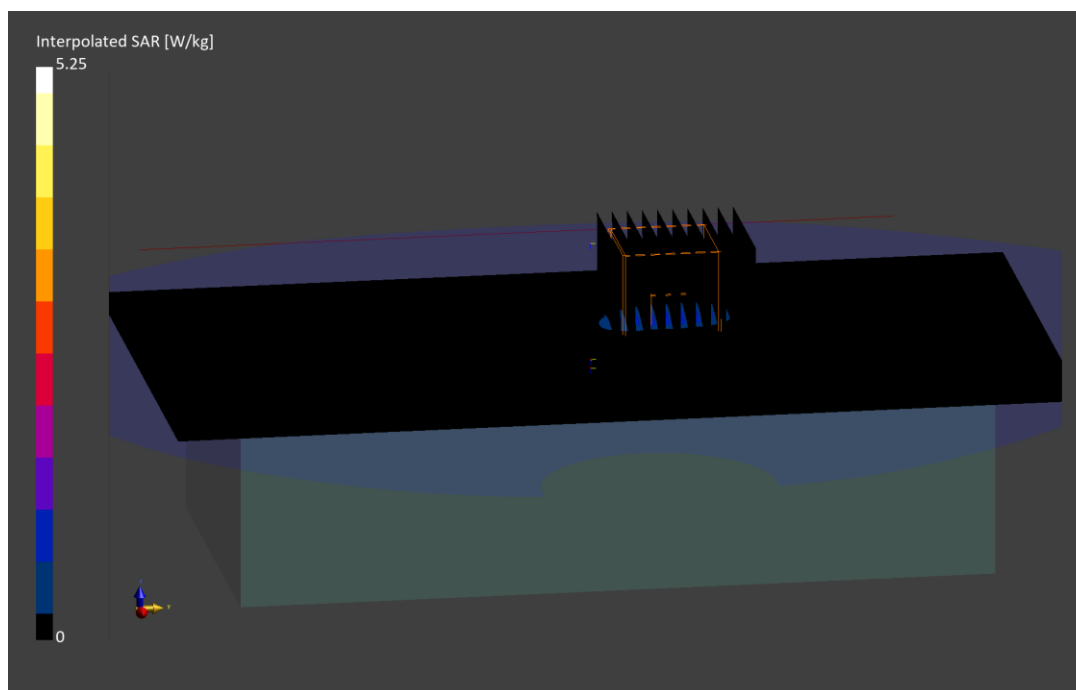
Reference Value = 0.09 W/kg; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 5.25 W/kg

SAR(10 g) = 0.312 W/kg; APD(4cm²) = 7.14 W/m²

Smallest distance from peaks to all points 3 dB below is 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 51.8 %



Date: 2025-05-20

Mode: 6GHz WIFI/ IEEE 802.11be, Antenna 2, 320 MHz Bandwidth, U-NII-5, Exp: Front Side, Ch. 95, 68.1 Mbps

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMI610	1768M	Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	FRONT	2.00	95	11026	6425.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9389, 2025-01-08	DAE4 – SN1449, 2024-09-10

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	4.47
pS _n avg [W/m²]	3.65
E _{peak} [V/m]	57.6
Power Drift [dB]	0.11

