

APPENDIX A: SAR TEST PLOTS

|                    |                                                                                                                                                                                                                                                                                                        |                                   |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: IPH-05242  | RF EXPOSURE TEST REPORT                                                                                                                                                                                                                                                                                | Approved by:<br>Technical Manager |
| DUT Type:<br>Watch | This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo.  | APPENDIX A                        |

# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224117**

Communication System: UID:10154, LTE-M-FDD; MAIA: Y; Frequency: 707.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 707.500 MHz; cond = 0.903 S/m; perm = 43.2; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 08/10/2026; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7488; ConvF:(10.25,10.26,9.95); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1415; Calibrated: 2026-03-09

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

Measurement SW: DASY Module SAR V18.0.0.7250

**Mode: LTE-M Band 12, Antenna 1, Exp: Head| Front Side, Ch. Mid,  
10 MHz Bandwidth, QPSK, 3 RB, 0 RB Offset, NB Position Index 1**

**Area Scan (90.0 x 90.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (42.0 x 42.0 x 31.2):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

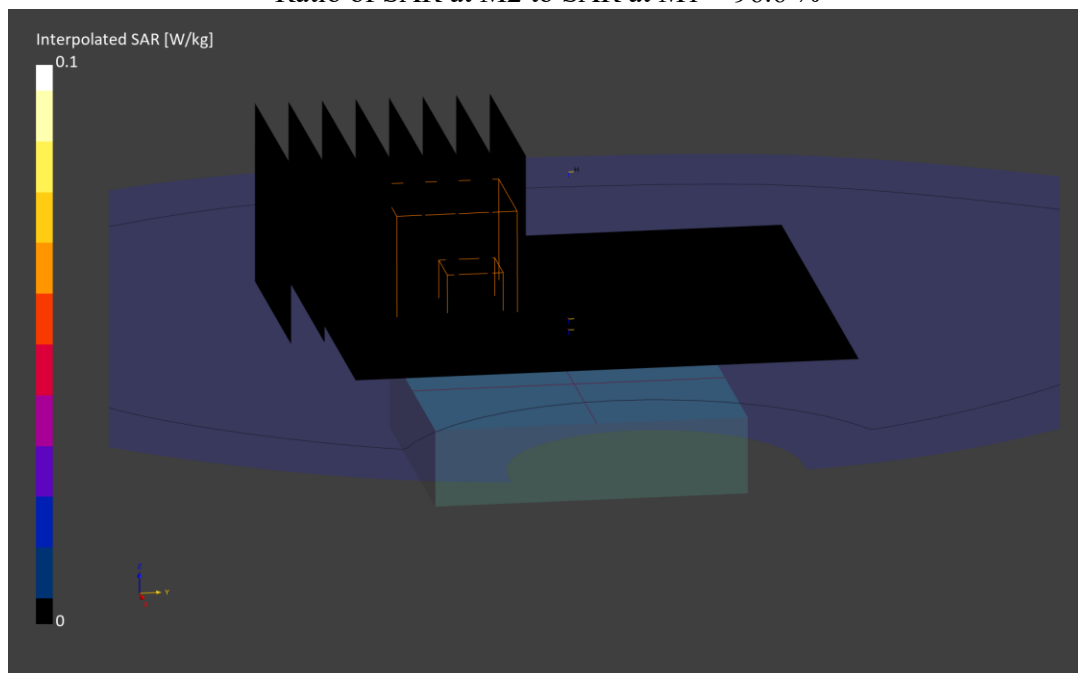
Reference Value = 0.00 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.002 W/kg

**SAR(1 g) = 0.002 W/kg**

Smallest distance from peaks to all points 3 dB below is 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 96.6 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224117**

Communication System: UID:10175, LTE-M-FDD; MAIA: Y; Frequency: 707.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 707.500$  MHz;  $\text{cond} = 0.903$  S/m;  $\text{perm} = 43.2$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/10/2026; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7488; ConvF:(10.25,10.26,9.95); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1415; Calibrated: 2026-03-09

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

Measurement SW: DASY Module SAR V18.0.0.7250

**Mode: LTE-M Band 12, Antenna 1, Exp: Extremity| Back Side, Ch. Mid,  
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset, NB Position Index 1**

**Area Scan (90.0 x 90.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 31.2):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

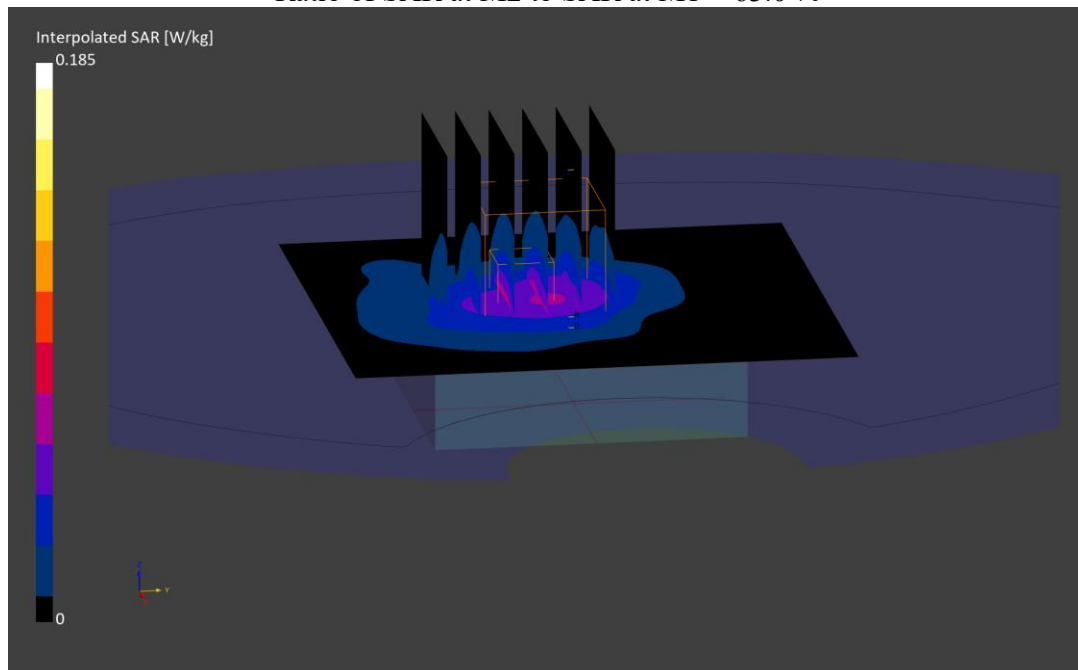
Reference Value = 0.06 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(10 g) = 0.037 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 = 63.0 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224117**

Communication System: UID:10169, LTE-M-FDD; MAIA: Y; Frequency: 1732.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1732.500$  MHz;  $\text{cond} = 1.30$  S/m;  $\text{perm} = 41.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 08/10/2026; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7488; ConvF:(8.54,8.54,8.28); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1415; Calibrated: 2026-03-09

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

Measurement SW: DASY Module SAR V18.0.0.7250

**Mode: LTE-M Band 4, Antenna 1, Exp: Head| Front Side, Ch. Mid,  
20 MHz Bandwidth, QPSK, 1 RB, 5 RB Offset NB Position Index 14**

**Area Scan (90.0 x 90.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (42.0 x 48.0 x 31.2):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

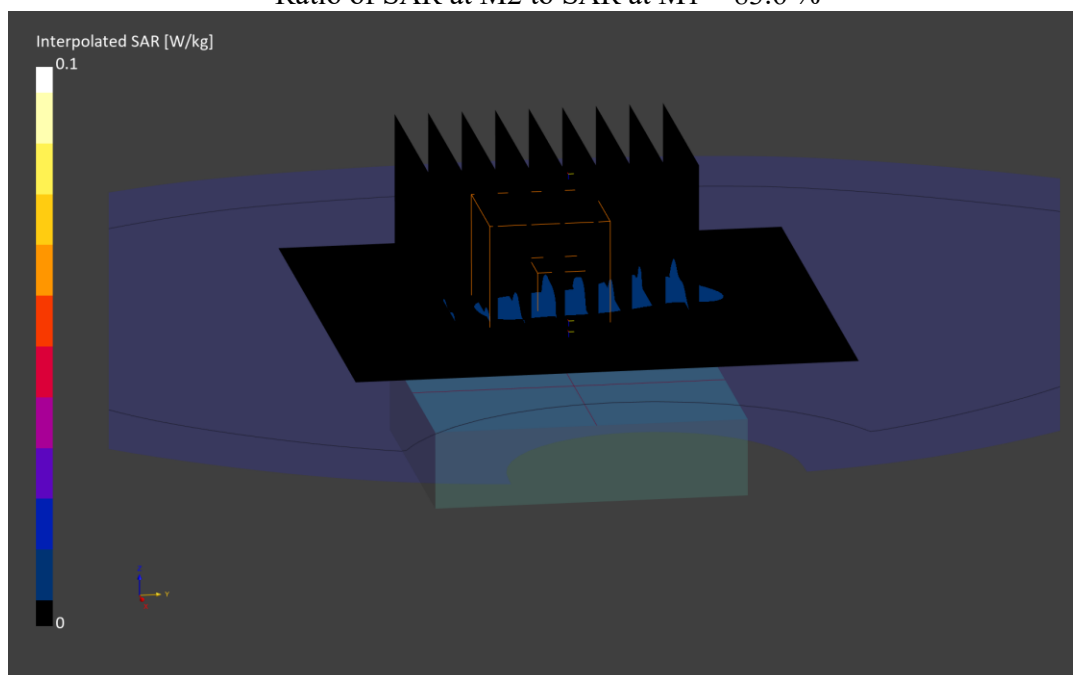
Reference Value = 0.01 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.017 W/kg

**SAR(1 g) = 0.010 W/kg**

Smallest distance from peaks to all points 3 dB below is 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 83.6 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224117**

Communication System: UID:10297, LTE-M-FDD; MAIA: Y; Frequency: 1732.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1732.500 MHz; cond = 1.30 S/m; perm = 41.4; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/10/2026; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7488; ConvF:(8.54,8.54,8.28); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1415; Calibrated: 2026-03-09

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

Measurement SW: DASY Module SAR V18.0.0.7250

**Mode: LTE-M Band 4, Antenna 1, Exp: Extremity| Back Side, Ch. Mid,  
20 MHz Bandwidth, QPSK, 3 RB, 3 RB Offset, NB Position Index 14**

**Area Scan (90.0 x 90.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (54.0 x 60.0 x 31.2):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

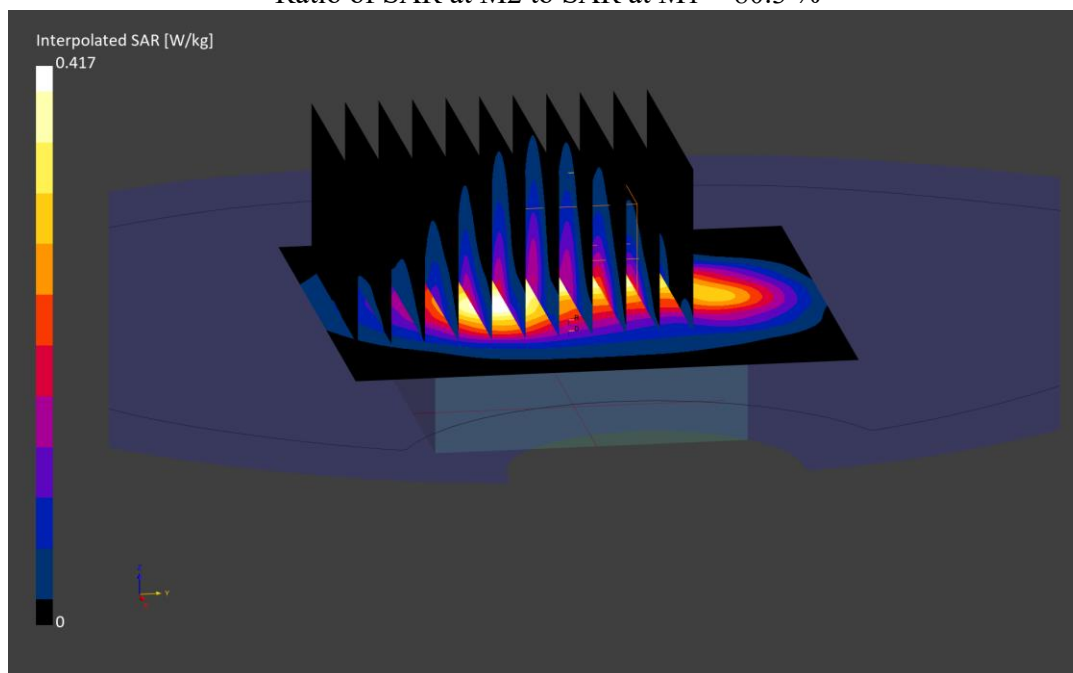
Reference Value = 0.21 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.417 W/kg

**SAR(10 g) = 0.118 W/kg**

Smallest distance from peaks to all points 3 dB below is 6.5 mm

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



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224117**

Communication System: UID:10169, LTE-M-FDD; MAIA: Y; Frequency: 1860.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1860.000 MHz; cond = 1.39 S/m; perm = 39.7; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 08/05/2026; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7539; ConvF:(7.65,7.26,8.2); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

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

Measurement SW: DASY Module SAR V18.0.0.7250

**Mode: LTE-M Band 2, Antenna 1, Exp: Head| Front Side, Ch. Low,  
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset, NB Position Index 1**

**Area Scan (90.0 x 90.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 31.2):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

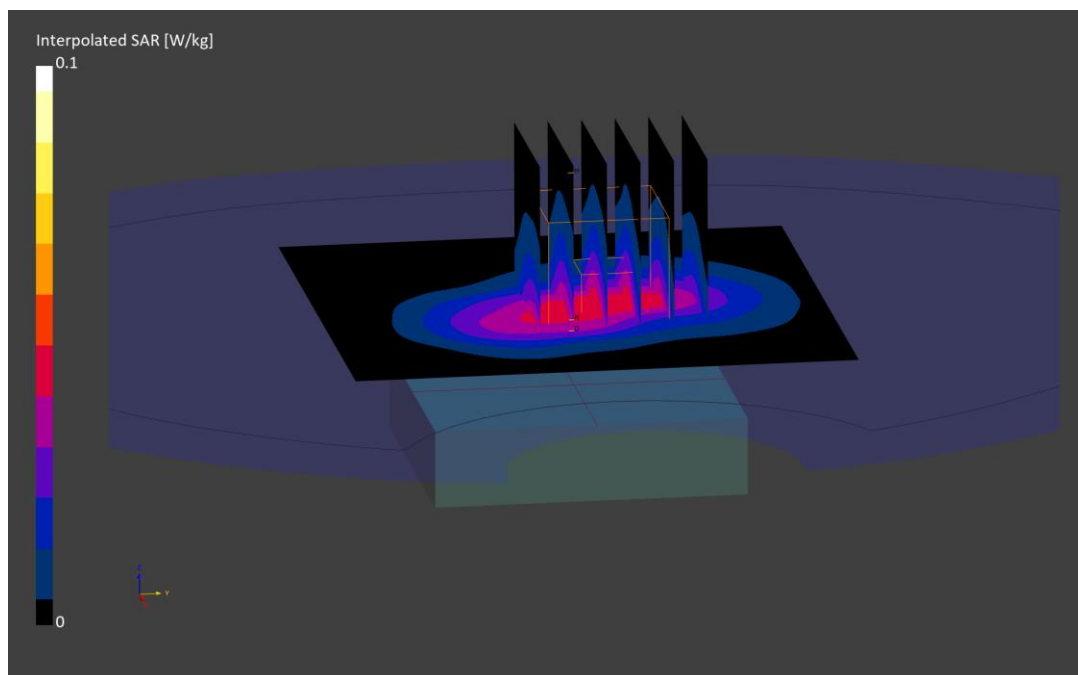
Reference Value = 0.04 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.066 W/kg

**SAR(1 g) = 0.044 W/kg**

Smallest distance from peaks to all points 3 dB below is 14.5 mm

Ratio of SAR at M2 to SAR at M1 = 87.0 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224117**

Communication System: UID:10297, LTE-FDD; MAIA: Y; Frequency: 1860.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1860.000$  MHz;  $\text{cond} = 1.39$  S/m;  $\text{perm} = 39.7$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/05/2026; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7539; ConvF:(7.65,7.26,8.2); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

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

Measurement SW: DASY Module SAR V18.0.0.7250

**Mode: LTE-M Band 2, Antenna 1, Exp: Extremity| Back Side, Ch. Low,  
20 MHz Bandwidth, QPSK, 3 RB, 3 RB Offset, NB Position Index 14**

**Area Scan (90.0 x 90.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (42.0 x 42.0 x 31.2):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

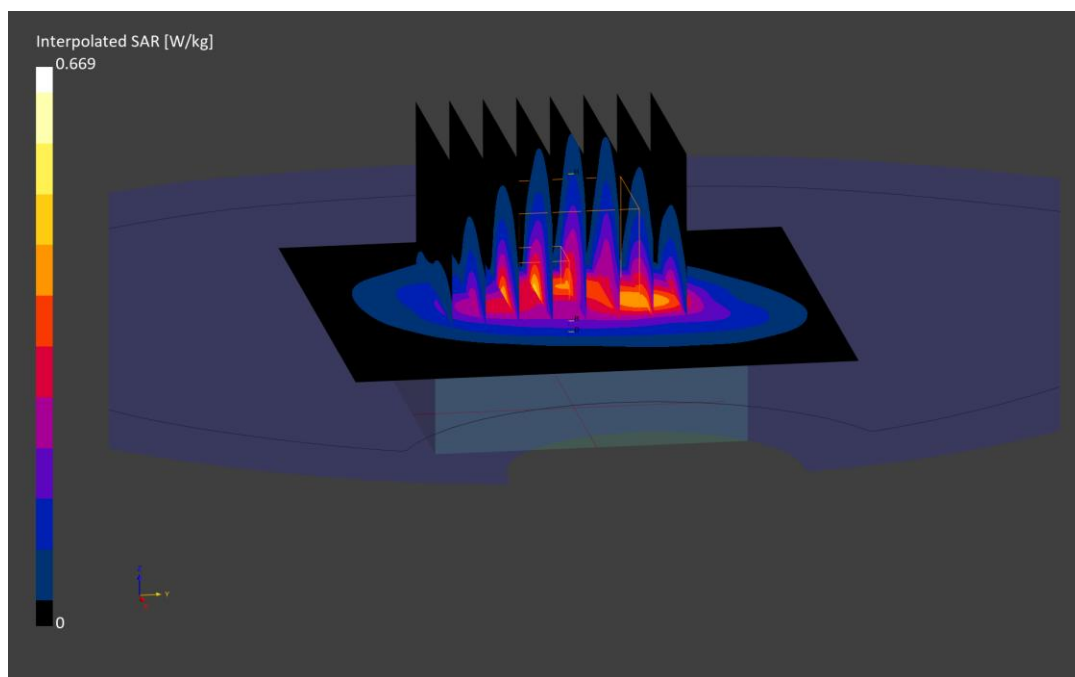
Reference Value = 0.30 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.669 W/kg

**SAR(10 g) = 0.235 W/kg**

Smallest distance from peaks to all points 3 dB below is 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 84.4 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224118**

Communication System: UID:0, CW; MAIA: Y; Frequency: 1643.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1643.500$  MHz;  $\text{cond} = 1.28$  S/m;  $\text{perm} = 40.5$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/05/2026; Ambient Temp: 21.2°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7527; ConvF:(7.5,6.83,8.36); Calibrated: 2025-10-14

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

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NTN Band 255, Antenna 1, Exp: Extremity| Back Side, Ch. 261674, 200 kHz  
Bandwidth, QPSK, 1 Tone, 6 Tone Start**

**Area Scan (90.0 x 90.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (37.4 x 37.4 x 31.2):** Measurement grid:  $dx=2.2$  mm,  $dy=2.2$  mm,  $dz=1.2$  mm; Graded Ratio: 1.2

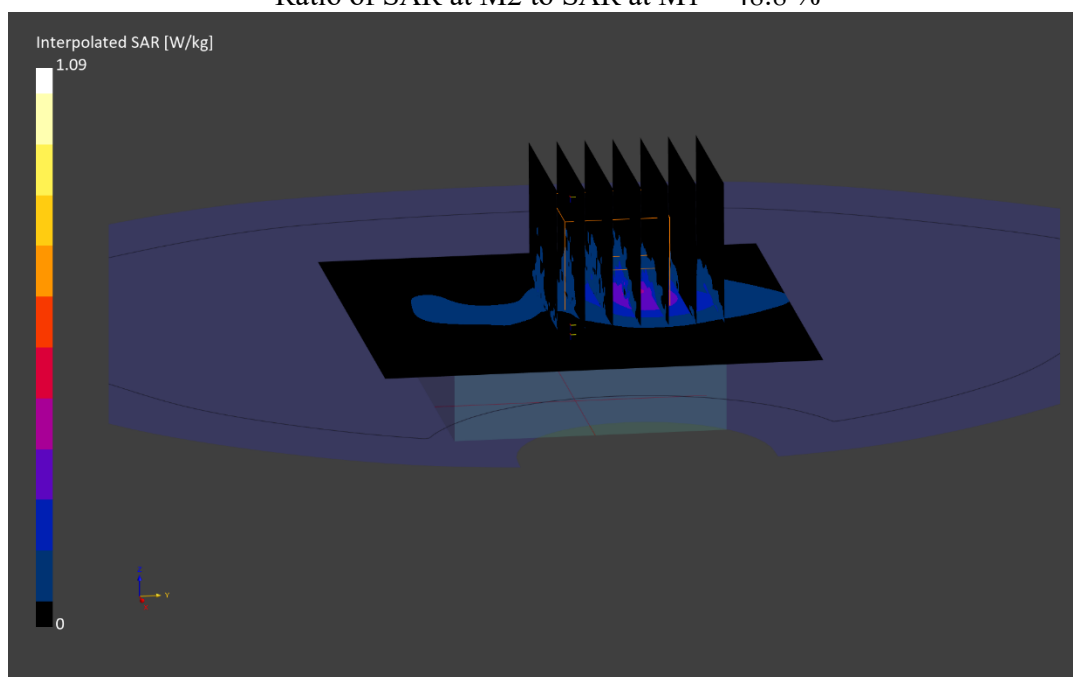
Reference Value = 0.17 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(10 g) = 0.114 W/kg**

Smallest distance from peaks to all points 3 dB below is 2.7 mm

Ratio of SAR at M2 to SAR at M1 = 48.8 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224118**

Communication System: UID:0, CW; MAIA: Y; Frequency: 2000.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2000.000 MHz; cond = 1.36 S/m; perm = 40.7; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/06/2026; Ambient Temp: 20.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.19,7.79); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NTN Band 23, Antenna 1, Exp: Extremity| Back Side, Ch. 261070, 200 kHz  
Bandwidth, QPSK, 1 Tone, 6 Tone Start**

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

**Zoom Scan (38.5 x 38.5 x 31.2):** Measurement grid: dx=3.5 mm, dy=3.5 mm, dz=1.5 mm; Graded Ratio: 1.5

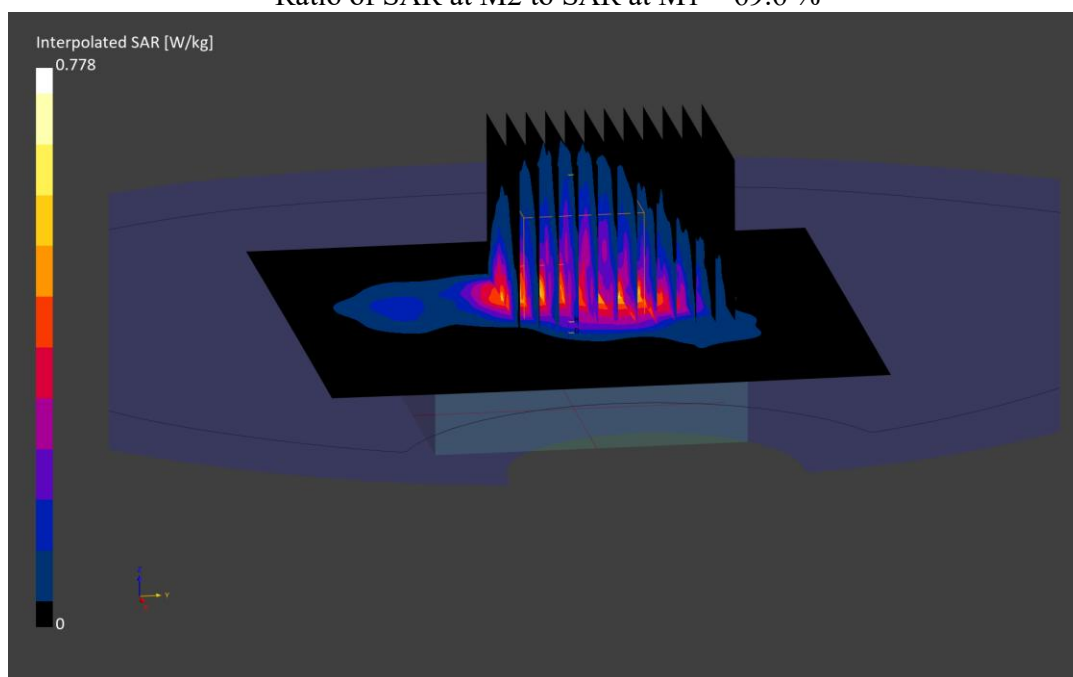
Reference Value = 0.32 W/kg; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.778 W/kg

**SAR(10 g) = 0.253 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 = 69.6 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224106**

Communication System: UID:10415, WiFi (802.11b); MAIA: Y; Frequency: 2422.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2422.000 MHz; cond = 1.77 S/m; perm = 39.0; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 7/27/2026; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

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

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna 1, 22 MHz Bandwidth, Exp: Extremity| Back Side, Ch. 3, 1Mbps**

**Area Scan (100.0 x 100.0):** 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

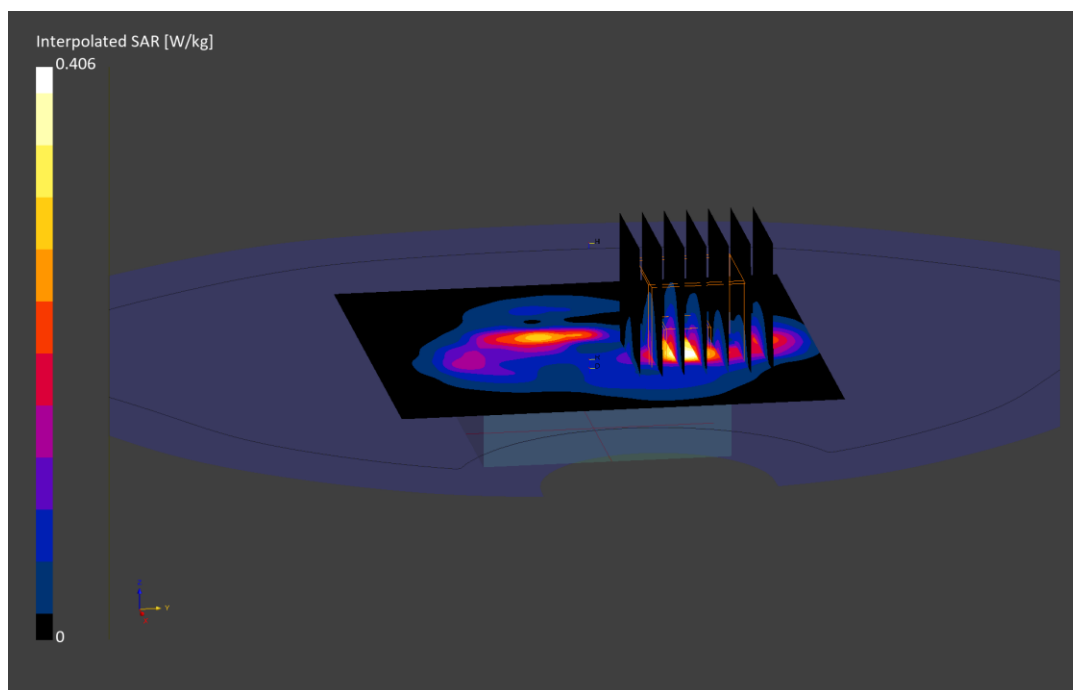
Reference Value = 0.19 W/kg; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.406 W/kg

**SAR(10 g) = 0.074 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 = 78.8 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224106**

Communication System: UID:10032, Bluetooth; MAIA: Y; Frequency: 2441.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2441.000$  MHz;  $\text{cond} = 1.78$  S/m;  $\text{perm} = 39.0$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 7/27/2026; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

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

Measurement SW: DASY Module SAR V16.4.0.5005

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

**Area Scan (100.0 x 100.0):** Measurement grid:  $\text{dx}=10.0$  mm,  $\text{dy}=10.0$  mm

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

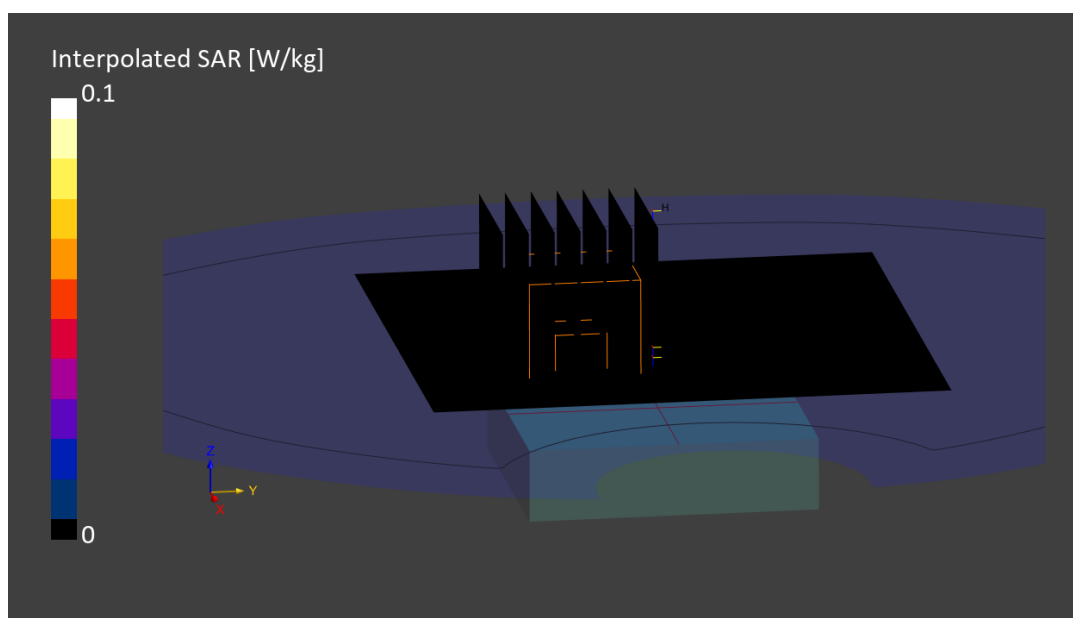
Reference Value = 0.00 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.022 W/kg

**SAR(1 g) = 0.004 W/kg**

Smallest distance from peaks to all points 3 dB below is 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 66.4 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 3644224106**

Communication System: UID:10032, Bluetooth; MAIA: Y; Frequency: 2441.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2441.000$  MHz;  $\text{cond} = 1.78$  S/m;  $\text{perm} = 39.0$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 7/27/2026; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

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

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

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

Measurement SW: DASY Module SAR V16.4.0.5005

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

**Area Scan (100.0 x 100.0):** 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

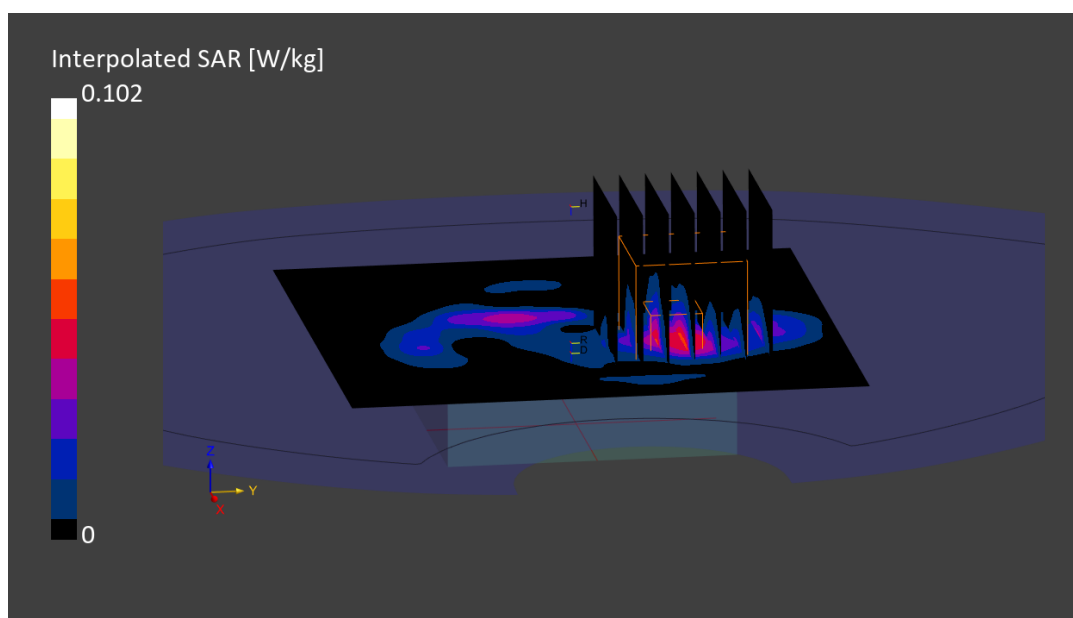
Reference Value = 0.01 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(10 g) = 0.015 W/kg**

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 77.7 %



# ELEMENT

**DUT: IPH-05242; Type: Watch; Serial: 364424067**

Communication System: UID:0, CW; MAIA: Y; Frequency: 13.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 13.600$  MHz;  $\text{cond} = 0.768$  S/m;  $\text{perm} = 57.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/28/2026; Ambient Temp: 22.2°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7570; ConvF:(19.27,21.05,18.22); Calibrated: 2026-02-11

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

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: ELI V8.0 (20deg probe tilt); Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NFC, Antenna 1, Exp: Extremity| Back Side**

**Area Scan (165.0 x 150.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (54.0 x 48.0 x 31.2):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.00 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0 W/kg

**SAR(10 g) = 0 W/kg**

Smallest distance from peaks to all points 3 dB below is 2.4 mm

Ratio of SAR at M2 to SAR at M1 = 49.2 %

