

# Appendix A: SAR Test Plots

## RF SAFETY LABORATORY

DUT: IPH-04664; SN: 00254

### Test Conditions

| Exposure Condition | Position, Test Distance [mm] | Band         | Signal, UID                                                      | Ant. | Channel Number | Frequency [MHz] | ConvF (x,y,z)    |
|--------------------|------------------------------|--------------|------------------------------------------------------------------|------|----------------|-----------------|------------------|
| Extremity          | Flat, EDGE BOTTOM, 0.00      | 2.4 GHz WIFI | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), 10415 | P600 | Ch. 6          | 2437.000        | 7.02, 6.86, 7.36 |

### Test Setup

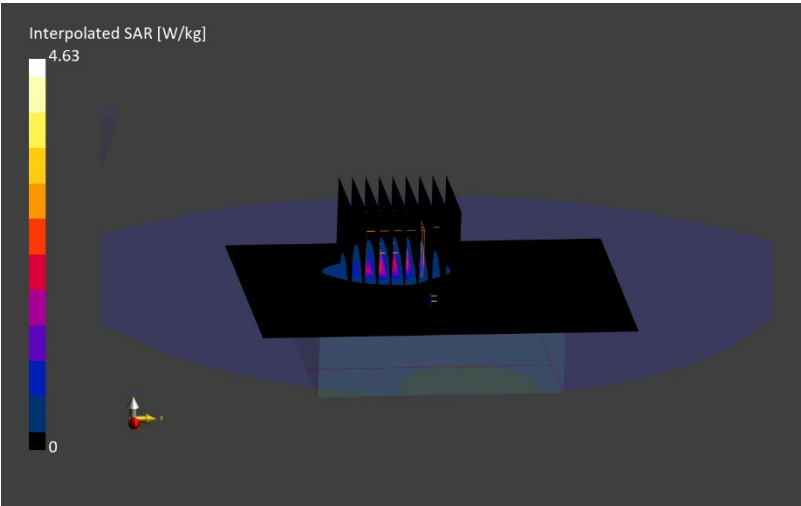
| Test Date  | Ambient Temp [°C] | TSL Temp [°C] | Measurement SW | Phantom              | Type                   | Cond. [S/m] | TSL Perm. | Probe, Cal. Date            | DAE, Cal. Date            |
|------------|-------------------|---------------|----------------|----------------------|------------------------|-------------|-----------|-----------------------------|---------------------------|
| 2024-12-27 | 22.7              | 21.1          | 16.4.0.5005    | Twin-SAM V8.0 – 2165 | Head Simulating Liquid | 1.82        | 38.6      | EX3DV4 – SN7836, 2024-09-12 | DAE4ip Sn1839, 2024-09-04 |

### Scans Setup

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 80.0 x 100.0 | 30.0 x 30.0 x 31.2 |
| Grid Steps [mm]     | 10.0 x 10.0  | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Grading Ratio       | N/A          | 1.5                |
| MAIA                | Y            | Y                  |

### Measurement Results

|                                |       |
|--------------------------------|-------|
| psSAR10g [W/Kg]                | 0.703 |
| Power Drift [dB]               | 0.01  |
| Peak SAR (Extrapolated) [W/kg] | 4.60  |
| M2/M1 [%]                      | 72.4  |
| Dist 3dB Peak [mm]             | 6.1   |



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Test Conditions

| Exposure Condition | Position, Test Distance [mm] | Band       | Signal, UID                                              | Ant. | Channel Number | Frequency [MHz] | ConvF (x,y,z)    |
|--------------------|------------------------------|------------|----------------------------------------------------------|------|----------------|-----------------|------------------|
| Extremity          | Flat, EDGE BOTTOM, 0.00      | 5 GHz WIFI | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle), 10626 | P601 | Ch. 42         | 5210.000        | 5.28, 5.16, 5.54 |

Test Setup

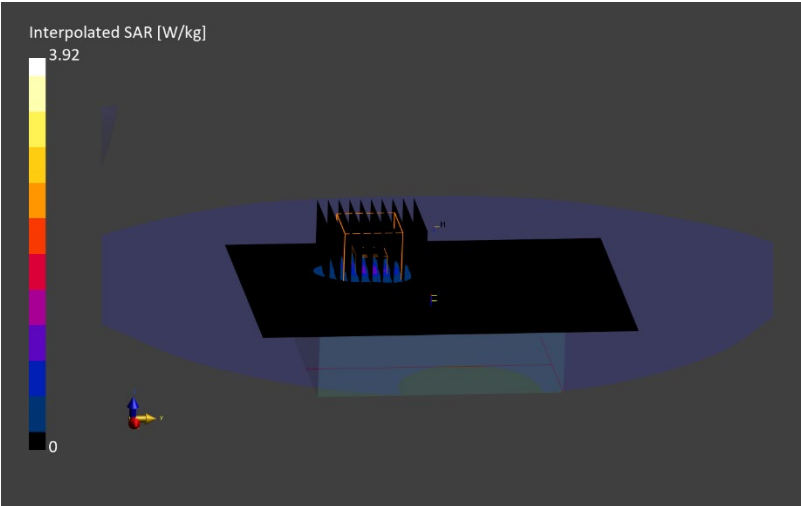
| Test Date  | Ambient Temp [°C] | TSL Temp [°C] | Measurement SW | Phantom              | Type                   | Cond. [S/m] | TSL Perm. | Probe, Cal. Date            | DAE, Cal. Date            |
|------------|-------------------|---------------|----------------|----------------------|------------------------|-------------|-----------|-----------------------------|---------------------------|
| 2025-01-08 | 21.6              | 20.8          | 16.4.0.5005    | Twin-SAM V8.0 – 2165 | Head Simulating Liquid | 4.44        | 33.2      | EX3DV4 – SN7836, 2024-09-12 | DAE4ip Sn1839, 2024-09-04 |

Scans Setup

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 80.0 x 100.0 | 24.0 x 24.0 x 22.9 |
| Grid Steps [mm]     | 10.0 x 10.0  | 4.0 x 4.0 x 1.4    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Grading Ratio       | N/A          | 1.4                |
| MAIA                | Y            | Y                  |

Measurement Results

|                                |       |
|--------------------------------|-------|
| psSAR10g [W/Kg]                | 0.300 |
| Power Drift [dB]               | 0.05  |
| Peak SAR (Extrapolated) [W/kg] | 4.39  |
| M2/M1 [%]                      | 61.1  |
| Dist 3dB Peak [mm]             | 5.4   |



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Test Conditions

| Exposure Condition | Position, Test Distance [mm] | Band                    | Signal, UID                 | Ant. | Channel Number | Frequency [MHz] | ConvF (x,y,z)    |
|--------------------|------------------------------|-------------------------|-----------------------------|------|----------------|-----------------|------------------|
| Extremity          | Flat, EDGE<br>BOTTOM, 0.00   | 2.4 GHz<br>Bluetooth LE | Bluetooth Low Energy, 10670 | P600 | Ch. 0          | 2402.000        | 7.02, 6.86, 7.36 |

Test Setup

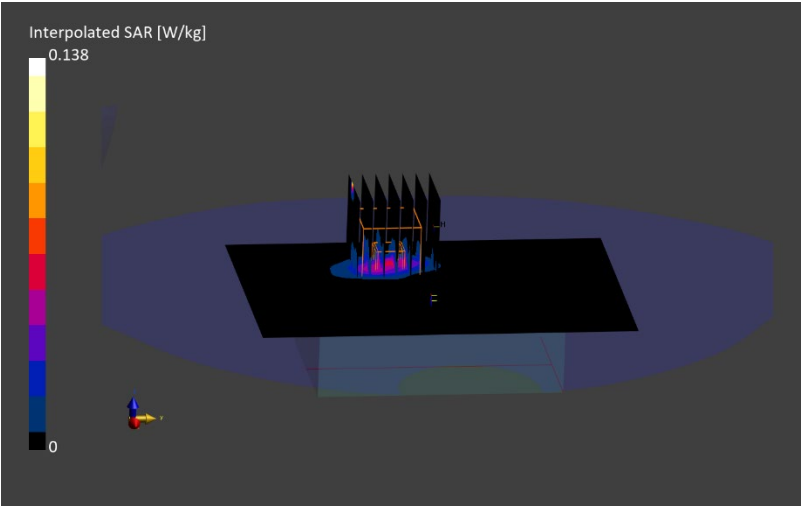
| Test Date  | Ambient Temp [°C] | TSL Temp [°C] | Measurement SW | Phantom              | Type                   | Cond. [S/m] | TSL Perm. | Probe, Cal. Date            | DAE, Cal. Date            |
|------------|-------------------|---------------|----------------|----------------------|------------------------|-------------|-----------|-----------------------------|---------------------------|
| 2024-12-27 | 22.7              | 21.1          | 16.4.0.5005    | Twin-SAM V8.0 – 2165 | Head Simulating Liquid | 1.79        | 38.6      | EX3DV4 – SN7836, 2024-09-12 | DAE4ip Sn1839, 2024-09-04 |

Scans Setup

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 80.0 x 100.0 | 31.5 x 31.5 x 31.2 |
| Grid Steps [mm]     | 10.0 x 10.0  | 4.5 x 4.5 x 1.5    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Grading Ratio       | N/A          | 1.5                |
| MAIA                | Y            | Y                  |

Measurement Results

|                                |       |
|--------------------------------|-------|
| psSAR10g [W/Kg]                | 0.022 |
| Power Drift [dB]               | -0.06 |
| Peak SAR (Extrapolated) [W/kg] | 0.171 |
| M2 /M1 [%]                     | 71.0  |
| Dist 3dB Peak [mm]             | 5.5   |



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Test Conditions

| Exposure Condition | Position, Test Distance [mm] | Band            | Signal, UID                      | Ant. | Channel Number | Frequency [MHz] | ConvF (x,y,z)    |
|--------------------|------------------------------|-----------------|----------------------------------|------|----------------|-----------------|------------------|
| Extremity          | Flat, EDGE<br>BOTTOM, 0.00   | 2.4 GHz<br>ANT+ | IEEE 802.15.1 (GFSK, DH5), 10032 | E400 | Ch. 57         | 2457.000        | 7.02, 6.86, 7.36 |

Test Setup

| Test Date  | Ambient Temp [°C] | TSL Temp [°C] | Measurement SW | Phantom              | Type                   | Cond. [S/m] | TSL Perm. | Probe, Cal. Date            | DAE, Cal. Date            |
|------------|-------------------|---------------|----------------|----------------------|------------------------|-------------|-----------|-----------------------------|---------------------------|
| 2025-01-08 | 21.6              | 20.8          | 16.4.0.5005    | Twin-SAM V8.0 – 2165 | Head Simulating Liquid | 1.85        | 38.2      | EX3DV4 – SN7836, 2024-09-12 | DAE4ip Sn1839, 2024-09-04 |

Scans Setup

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 70.0 x 100.0 | 31.5 x 31.5 x 31.2 |
| Grid Steps [mm]     | 10.0 x 10.0  | 4.5 x 4.5 x 1.5    |
| Sensor Surface [mm] | 3.0          | 1.4                |
| Grading Ratio       | N/A          | 1.5                |
| MAIA                | Y            | Y                  |

Measurement Results

|                                |       |
|--------------------------------|-------|
| psSAR10g [W/Kg]                | 0.054 |
| Power Drift [dB]               | -0.04 |
| Peak SAR (Extrapolated) [W/kg] | 0.406 |
| M2 /M1 [%]                     | 76.4  |
| Dist 3dB Peak [mm]             | 5.4   |

