

## Appendix (Additional assessments outside the scope of SCS 0108)

### Antenna Parameters with Head TSL

|                                      |                                |
|--------------------------------------|--------------------------------|
| Impedance, transformed to feed point | 51.4 $\Omega$ - 1.0 j $\Omega$ |
| Return Loss                          | - 35.4 dB                      |

### APD (Absorbed Power Density)

| APD averaged over 1 cm <sup>2</sup> | Condition          |                                          |
|-------------------------------------|--------------------|------------------------------------------|
| APD measured                        | 100 mW input power | 297 W/m <sup>2</sup>                     |
| APD measured                        | normalized to 1W   | 2970 W/m <sup>2</sup> $\pm$ 29.2 % (k=2) |
| APD averaged over 4 cm <sup>2</sup> | condition          |                                          |
| APD measured                        | 100 mW input power | 133 W/m <sup>2</sup>                     |
| APD measured                        | normalized to 1W   | 1330 W/m <sup>2</sup> $\pm$ 28.9 % (k=2) |

\*The reported APD values have been derived using the psSAR1g and psSAR8g.

### General Antenna Parameters and Design

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

### Additional EUT Data

|                 |       |
|-----------------|-------|
| Manufactured by | SPEAG |
|-----------------|-------|

DASY6 Validation Report for Head TSL

Measurement Report for D6.5GHz-1046, UID 0 -, Channel 6500 (6500.0MHz)

Device under Test Properties

| Name, Manufacturer | Dimensions [mm]    | IMEI     | DUT Type |
|--------------------|--------------------|----------|----------|
| D6.5GHz            | 16.0 x 6.0 x 300.0 | SN: 1046 | -        |

Exposure Conditions

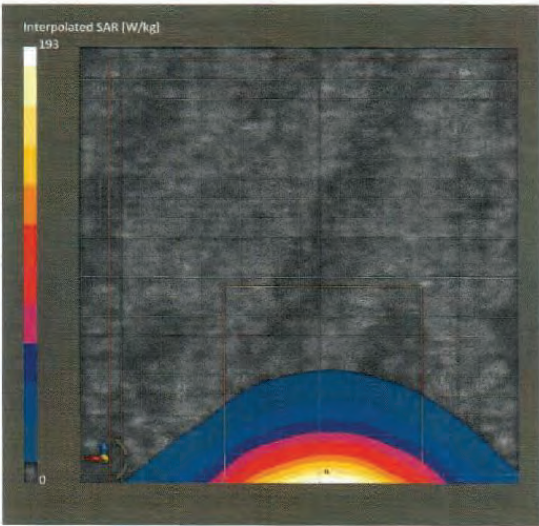
| Phantom<br>Section, TSL | Position, Test<br>Distance<br>[mm] | Band | Group,<br>UID | Frequency<br>[MHz] | Conversion<br>Factor | TSL Cond.<br>[S/m] | TSL<br>Permittivity |
|-------------------------|------------------------------------|------|---------------|--------------------|----------------------|--------------------|---------------------|
| Flat, HSL               | 5.00                               | Band | CW,           | 6500               | 5.14                 | 6.21               | 34.4                |

Hardware Setup

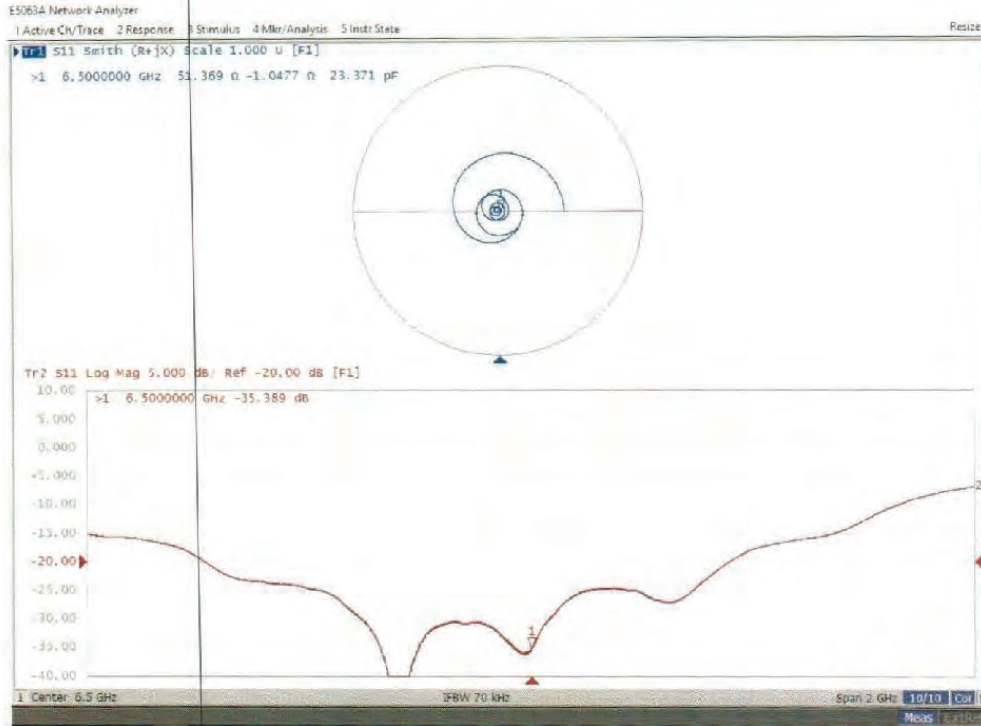
| Phantom                | TSL             | Probe, Calibration Date     | DAE, Calibration Date  |
|------------------------|-----------------|-----------------------------|------------------------|
| MFP V8.0 Center - 1182 | HBBL600-10000V6 | EX3DV4 - SN7405, 2024-07-01 | DAE4 Sn908, 2024-03-27 |

Scan Setup

|                     | Zoom Scan          | Measurement Results | Zoom Scan         |
|---------------------|--------------------|---------------------|-------------------|
| Grid Extents [mm]   | 22.0 x 22.0 x 22.0 | Date                | 2024-10-07, 12:33 |
| Grid Steps [mm]     | 3.4 x 3.4 x 1.4    | psSAR1g [W/Kg]      | 29.8              |
| Sensor Surface [mm] | 1.4                | psSAR8g [W/Kg]      | 6.66              |
| Graded Grid         | Yes                | psSAR10g [W/Kg]     | 5.46              |
| Grading Ratio       | 1.4                | Power Drift [dB]    | 0.05              |
| MAIA                | N/A                | Power Scaling       | Disabled          |
| Surface Detection   | VMS + 6p           | Scaling Factor [dB] |                   |
| Scan Method         | Measured           | TSL Correction      | No correction     |
|                     |                    | M2/M1 [%]           | 49.7              |
|                     |                    | Dist 3dB Peak [mm]  | 4.6               |



## Impedance Measurement Plot for Head TSL



# ANNEX I: 5G Verification Source 10 GHz Calibration Certificate

**Calibration Laboratory of**  
Schmid & Partner  
Engineering AG  
Zeughausstrasse 43, 8004 Zurich, Switzerland



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Accreditation No.: SCS 0108

Client **TA-SH (Auden)**

Certificate No: 5G-Veri10-1054\_Sep22

## CALIBRATION CERTIFICATE

Object **5G Verification Source 10 GHz - SN: 1054**

Calibration procedure(s) **QA CAL-45.v3**  
**Calibration procedure for sources in air above 6 GHz**

Calibration date: **September 09, 2022**

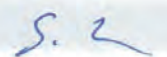
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature ( $22 \pm 3$ )°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards       | ID #     | Cal Date (Certificate No.)          | Scheduled Calibration |
|-------------------------|----------|-------------------------------------|-----------------------|
| Reference Probe EUmmWV3 | SN: 9374 | 2021-12-21 (No. EUmmWV3-9374_Dec21) | Dec-22                |
| DAE4ip                  | SN: 1602 | 2022-06-27 (No. DAE4ip-1602_Jun22)  | Jun-23                |

| Secondary Standards           | ID #    | Check Date (in house)             | Scheduled Check        |
|-------------------------------|---------|-----------------------------------|------------------------|
| RF generator Anapico APSIN20G | SN: 827 | 18-Dec-18 (in house check Dec-21) | In house check: Dec-23 |

|                |                      |                                   |                                                                                                    |
|----------------|----------------------|-----------------------------------|----------------------------------------------------------------------------------------------------|
| Calibrated by: | Name<br>Leif Klysner | Function<br>Laboratory Technician | Signature<br> |
| Approved by:   | Sven Kühn            | Technical Manager                 |               |

Issued: September 12, 2022

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Accreditation No.: SCS 0108

## Glossary

CW Continuous wave

## Calibration is Performed According to the Following Standards

- Internal procedure QA CAL-45-5Gsources
- IEC TR 63170 ED1, "Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz", January 2018

## Methods Applied and Interpretation of Parameters

- *Coordinate System:* z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- *Measurement Conditions:* (1) 10 GHz: The radiated power is the forward power to the horn antenna minus ohmic and mismatch loss. The forward power is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable and the antenna ohmic and mismatch losses are determined by far-field measurements. (2) 30, 45, 60 and 90 GHz: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- *Horn Positioning:* The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- *E- field distribution:* E field is measured in two x-y-plane (10mm, 10mm +  $\lambda/4$ ) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima and the averaged (1cm<sup>2</sup> and 4cm<sup>2</sup>) power density values at 10mm in front of the horn.
- *Field polarization:* Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

## Calibrated Quantity

- Local peak E-field (V/m) and average of peak spatial components of the poynting vector (W/m<sup>2</sup>) averaged over the surface area of 1 cm<sup>2</sup> and 4cm<sup>2</sup> at the nominal operational frequency of the verification source. Both square and circular averaging results are listed.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

### Measurement Conditions

DASY system configuration, as far as not given on page 1.

|                                |                               |      |
|--------------------------------|-------------------------------|------|
| DASY Version                   | DASY8 Module mmWave           | V3.0 |
| Phantom                        | 5G Phantom                    |      |
| Distance Horn Aperture - plane | 10 mm                         |      |
| XY Scan Resolution             | dx, dy = 7.5 mm               |      |
| Number of measured planes      | 2 (10mm, 10mm + $\lambda/4$ ) |      |
| Frequency                      | 10 GHz $\pm$ 10 MHz           |      |

### Calibration Parameters, 10 GHz

#### Circular Averaging

| Distance Horn Aperture to Measured Plane | $Prad^1$<br>(mW) | Max E-field<br>(V/m) | Uncertainty<br>(k = 2) | Avg Power Density<br>Avg (psPDn+, psPDtot+, psPDmod+)<br>(W/m <sup>2</sup> ) |                   | Uncertainty<br>(k = 2) |
|------------------------------------------|------------------|----------------------|------------------------|------------------------------------------------------------------------------|-------------------|------------------------|
|                                          |                  |                      |                        | 1 cm <sup>2</sup>                                                            | 4 cm <sup>2</sup> |                        |
| 10 mm                                    | 86.1             | 147                  | 1.27 dB                | 53.2                                                                         | 50.1              | 1.28 dB                |

#### Square Averaging

| Distance Horn Aperture to Measured Plane | $Prad^1$<br>(mW) | Max E-field<br>(V/m) | Uncertainty<br>(k = 2) | Avg Power Density<br>Avg (psPDn+, psPDtot+, psPDmod+)<br>(W/m <sup>2</sup> ) |                   | Uncertainty<br>(k = 2) |
|------------------------------------------|------------------|----------------------|------------------------|------------------------------------------------------------------------------|-------------------|------------------------|
|                                          |                  |                      |                        | 1 cm <sup>2</sup>                                                            | 4 cm <sup>2</sup> |                        |
| 10 mm                                    | 86.1             | 147                  | 1.27 dB                | 53.3                                                                         | 50.0              | 1.28 dB                |

<sup>1</sup> Assessed ohmic and mismatch loss plus numerical offset: 0.55 dB

## DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

### Device under Test Properties

| Name, Manufacturer            | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1054 | -        |

### Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|--------|---------------------------------|-------------------|
| 5G -            | 10.0 mm                      | Validation band | CW     | 10000.0, 10000                  | 1.0               |

### Hardware Setup

| Phantom               | Medium | Probe, Calibration Date               | DAE, Calibration Date     |
|-----------------------|--------|---------------------------------------|---------------------------|
| mmWave Phantom - 1002 | Air    | EUmmWV3 - SN9374_F1-55GHz, 2021-12-21 | DAE4ip Sn1602, 2022-06-27 |

### Scan Setup

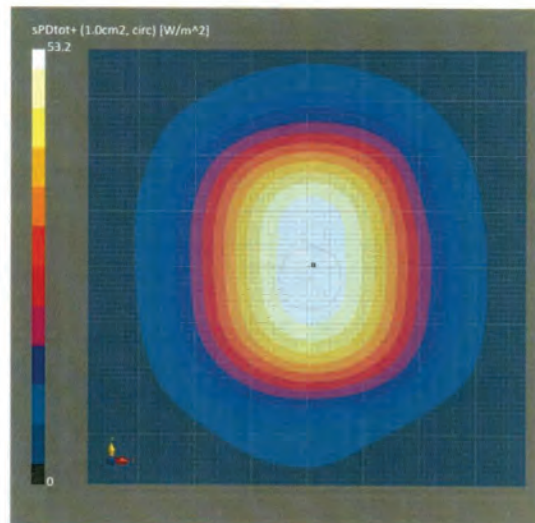
Grid Extents [mm]  
Grid Steps [lambda]  
Sensor Surface [mm]  
MAIA

5G Scan  
120.0 x 120.0  
0.25 x 0.25  
10.0  
MAIA not used

### Measurement Results

Date  
Avg. Area [cm<sup>2</sup>]  
psPDn+ [W/m<sup>2</sup>]  
psPDtot+ [W/m<sup>2</sup>]  
psPDmod+ [W/m<sup>2</sup>]  
E<sub>max</sub> [V/m]  
Power Drift [dB]

5G Scan  
2022-09-09, 13:37  
1.00  
53.0  
53.2  
53.3  
147  
0.04



## DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

### Device under Test Properties

| Name, Manufacturer            | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1054 | -        |

### Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|--------|---------------------------------|-------------------|
| 5G -            | 10.0 mm                      | Validation band | CW     | 10000.0, 10000                  | 1.0               |

### Hardware Setup

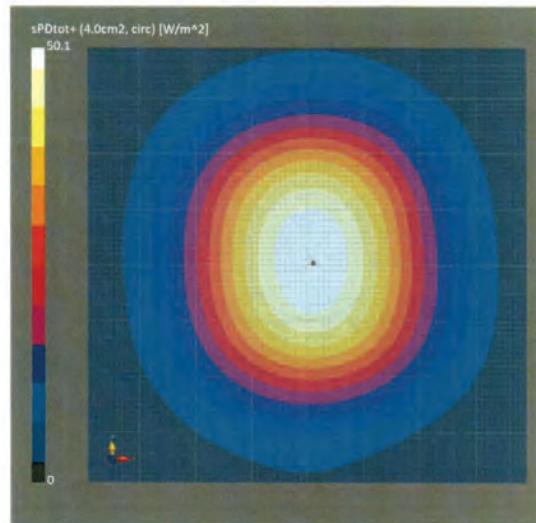
| Phantom               | Medium | Probe, Calibration Date               | DAE, Calibration Date     |
|-----------------------|--------|---------------------------------------|---------------------------|
| mmWave Phantom - 1002 | Air    | EUmmWV3 - SN9374_F1-55GHz, 2021-12-21 | DAE4ip Sn1602, 2022-06-27 |

### Scan Setup

|                     | 5G Scan       |
|---------------------|---------------|
| Grid Extents [mm]   | 120.0 x 120.0 |
| Grid Steps [lambda] | 0.25 x 0.25   |
| Sensor Surface [mm] | 10.0          |
| MAIA                | MAIA not used |

### Measurement Results

|                              | 5G Scan           |
|------------------------------|-------------------|
| Date                         | 2022-09-09, 13:37 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]   | 49.9              |
| psPDtot+ [W/m <sup>2</sup> ] | 50.1              |
| psPDmod+ [W/m <sup>2</sup> ] | 50.3              |
| E <sub>max</sub> [V/m]       | 147               |
| Power Drift [dB]             | 0.04              |



## DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

### Device under Test Properties

| Name, Manufacturer            | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1054 | -        |

### Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|--------|---------------------------------|-------------------|
| 5G -            | 10.0 mm                      | Validation band | CW     | 10000.0, 10000                  | 1.0               |

### Hardware Setup

| Phantom               | Medium | Probe, Calibration Date               | DAE, Calibration Date     |
|-----------------------|--------|---------------------------------------|---------------------------|
| mmWave Phantom - 1002 | Air    | EUmmWV3 - SN9374_F1-55GHz, 2021-12-21 | DAE4ip Sn1602, 2022-06-27 |

### Scan Setup

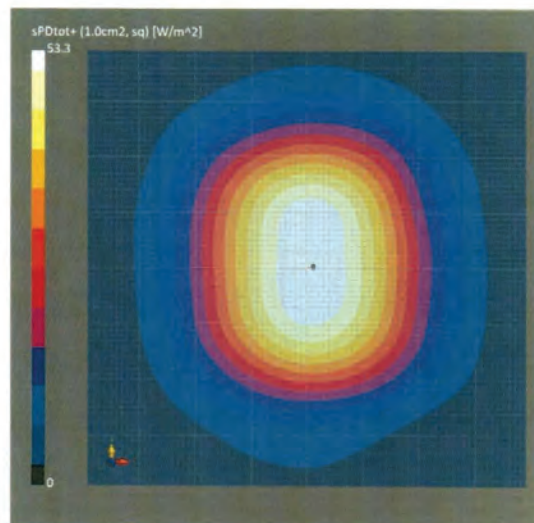
Grid Extents [mm]  
Grid Steps [lambda]  
Sensor Surface [mm]  
MAIA

5G Scan  
120.0 x 120.0  
0.25 x 0.25  
10.0  
MAIA not used

### Measurement Results

Date  
Avg. Area [cm<sup>2</sup>]  
psPDn+ [W/m<sup>2</sup>]  
psPDtot+ [W/m<sup>2</sup>]  
psPDmod+ [W/m<sup>2</sup>]  
E<sub>max</sub> [V/m]  
Power Drift [dB]

5G Scan  
2022-09-09, 13:37  
1.00  
53.1  
53.3  
53.5  
147  
0.04



## DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

### Device under Test Properties

| Name, Manufacturer            | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1054 | -        |

### Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|--------|---------------------------------|-------------------|
| 5G -            | 10.0 mm                      | Validation band | CW     | 10000.0, 10000                  | 1.0               |

### Hardware Setup

| Phantom               | Medium | Probe, Calibration Date               | DAE, Calibration Date     |
|-----------------------|--------|---------------------------------------|---------------------------|
| mmWave Phantom - 1002 | Air    | EUMmWV3 - SN9374_F1-55GHz, 2021-12-21 | DAE4ip Sn1602, 2022-06-27 |

### Scan Setup

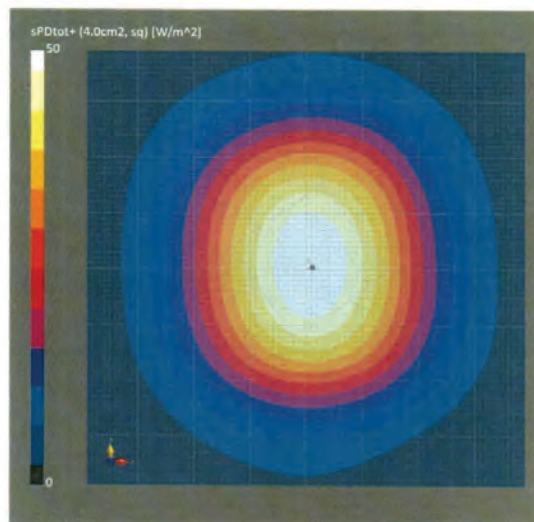
| 5G Scan             |
|---------------------|
| Grid Extents [mm]   |
| Grid Steps [lambda] |
| Sensor Surface [mm] |
| MAIA                |

|               |
|---------------|
| 120.0 x 120.0 |
| 0.25 x 0.25   |
| 10.0          |
| MAIA not used |

### Measurement Results

| Date                         |
|------------------------------|
| Avg. Area [cm <sup>2</sup> ] |
| psPDn+ [W/m <sup>2</sup> ]   |
| psPDtot+ [W/m <sup>2</sup> ] |
| psPDmod+ [W/m <sup>2</sup> ] |
| E <sub>max</sub> [V/m]       |
| Power Drift [dB]             |

| 5G Scan           |
|-------------------|
| 2022-09-09, 13:37 |
| 4.00              |
| 49.8              |
| 50.0              |
| 50.2              |
| 147               |
| 0.04              |



## ANNEX J: DAE4 Calibration Certificate (SN: 1291)

**Calibration Laboratory of**  
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Accreditation No.: SCS 0108

Client **TA**  
Shanghai

Certificate No: DAE4-1291\_Apr24

### CALIBRATION CERTIFICATE

Object DAE4 - SD 000 D04 BM - SN: 1291

Calibration procedure(s) QA CAL-06.v30  
Calibration procedure for the data acquisition electronics (DAE)

Calibration date: April 12, 2024

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^{\circ}\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards             | ID #               | Cal Date (Certificate No.) | Scheduled Calibration  |
|-------------------------------|--------------------|----------------------------|------------------------|
| Keithley Multimeter Type 2001 | SN: 0810278        | 29-Aug-23 (No:37421)       | Aug-24                 |
| Secondary Standards           | ID #               | Check Date (in house)      | Scheduled Check        |
| Auto DAE Calibration Unit     | SE UWS 053 AA 1001 | 23-Jan-24 (in house check) | In house check: Jan-25 |
| Calibrator Box V2.1           | SE UMS 006 AA 1002 | 23-Jan-24 (in house check) | In house check: Jan-25 |

|                |                        |                                   |                                                                                                    |
|----------------|------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------|
| Calibrated by: | Name<br>Adrian Gehring | Function<br>Laboratory Technician | Signature<br> |
| Approved by:   | Sven Kühn              | Technical Manager                 |               |

Issued: April 12, 2024

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Accreditation No.: SCS 0108

## Glossary

**DAE** data acquisition electronics  
**Connector angle** information used in DASY system to align probe sensor X to the robot coordinate system.

## Methods Applied and Interpretation of Parameters

- **DC Voltage Measurement:** Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- **Connector angle:** The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
  - **DC Voltage Measurement Linearity:** Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
  - **Common mode sensitivity:** Influence of a positive or negative common mode voltage on the differential measurement.
  - **Channel separation:** Influence of a voltage on the neighbor channels not subject to an input voltage.
  - **AD Converter Values with inputs shorted:** Values on the internal AD converter corresponding to zero input voltage
  - **Input Offset Measurement:** Output voltage and statistical results over a large number of zero voltage measurements.
  - **Input Offset Current:** Typical value for information; Maximum channel input offset current, not considering the input resistance.
  - **Input resistance:** Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
  - **Low Battery Alarm Voltage:** Typical value for information. Below this voltage, a battery alarm signal is generated.
  - **Power consumption:** Typical value for information. Supply currents in various operating modes.

### DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1 $\mu$ V, full range = -100...+300 mV

Low Range: 1LSB = 61nV, full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| Calibration Factors | X                         | Y                         | Z                         |
|---------------------|---------------------------|---------------------------|---------------------------|
| High Range          | 404.219 $\pm$ 0.02% (k=2) | 404.126 $\pm$ 0.02% (k=2) | 404.053 $\pm$ 0.02% (k=2) |
| Low Range           | 3.93972 $\pm$ 1.50% (k=2) | 3.98655 $\pm$ 1.50% (k=2) | 3.98468 $\pm$ 1.50% (k=2) |

### Connector Angle

|                                           |                                     |
|-------------------------------------------|-------------------------------------|
| Connector Angle to be used in DASY system | 202.0 $^{\circ}$ $\pm$ 1 $^{\circ}$ |
|-------------------------------------------|-------------------------------------|

## Appendix (Additional assessments outside the scope of SCS0108)

### 1. DC Voltage Linearity

| High Range        | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-------------------|---------------------------|------------------------------|-----------|
| Channel X + Input | 199997.21                 | 4.11                         | 0.00      |
| Channel X + Input | 20002.67                  | 1.74                         | 0.01      |
| Channel X - Input | -20000.32                 | 3.10                         | -0.02     |
| Channel Y + Input | 199994.74                 | 1.55                         | 0.00      |
| Channel Y + Input | 19999.63                  | -0.98                        | -0.00     |
| Channel Y - Input | -20004.04                 | -0.42                        | 0.00      |
| Channel Z + Input | 199995.27                 | 2.12                         | 0.00      |
| Channel Z + Input | 19997.79                  | -3.00                        | -0.02     |
| Channel Z - Input | -20004.36                 | -0.64                        | 0.00      |

| Low Range         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-------------------|---------------------------|------------------------------|-----------|
| Channel X + Input | 1998.89                   | -0.70                        | -0.04     |
| Channel X + Input | 200.34                    | 0.49                         | 0.25      |
| Channel X - Input | -198.64                   | 1.24                         | -0.62     |
| Channel Y + Input | 1999.70                   | 0.29                         | 0.01      |
| Channel Y + Input | 198.84                    | -0.71                        | -0.35     |
| Channel Y - Input | -200.85                   | -0.76                        | 0.38      |
| Channel Z + Input | 1999.51                   | 0.02                         | 0.00      |
| Channel Z + Input | 197.89                    | -1.73                        | -0.87     |
| Channel Z - Input | -201.59                   | -1.61                        | 0.81      |

### 2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

|           | Common mode Input Voltage (mV) | High Range Average Reading ( $\mu\text{V}$ ) | Low Range Average Reading ( $\mu\text{V}$ ) |
|-----------|--------------------------------|----------------------------------------------|---------------------------------------------|
| Channel X | 200                            | -1.10                                        | -3.29                                       |
|           | - 200                          | 5.82                                         | 3.71                                        |
| Channel Y | 200                            | 0.40                                         | -0.06                                       |
|           | - 200                          | -0.71                                        | -1.11                                       |
| Channel Z | 200                            | 12.23                                        | 12.24                                       |
|           | - 200                          | -15.37                                       | -14.97                                      |

### 3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

|           | Input Voltage (mV) | Channel X ( $\mu\text{V}$ ) | Channel Y ( $\mu\text{V}$ ) | Channel Z ( $\mu\text{V}$ ) |
|-----------|--------------------|-----------------------------|-----------------------------|-----------------------------|
| Channel X | 200                | -                           | -1.66                       | -2.36                       |
| Channel Y | 200                | 6.81                        | -                           | 0.66                        |
| Channel Z | 200                | 10.89                       | 4.17                        | -                           |

#### 4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

|           | High Range (LSB) | Low Range (LSB) |
|-----------|------------------|-----------------|
| Channel X | 15885            | 15895           |
| Channel Y | 15751            | 16055           |
| Channel Z | 16188            | 16226           |

#### 5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10M $\Omega$ 

|           | Average ( $\mu$ V) | min. Offset ( $\mu$ V) | max. Offset ( $\mu$ V) | Std. Deviation ( $\mu$ V) |
|-----------|--------------------|------------------------|------------------------|---------------------------|
| Channel X | 1.32               | 0.19                   | 2.46                   | 0.45                      |
| Channel Y | -0.10              | -1.21                  | 0.81                   | 0.45                      |
| Channel Z | -0.48              | -1.61                  | 1.13                   | 0.48                      |

#### 6. Input Offset Current

Nominal Input circuitry offset current on all channels: &lt;25fA

#### 7. Input Resistance (Typical values for information)

|           | Zeroing (kOhm) | Measuring (MOhm) |
|-----------|----------------|------------------|
| Channel X | 200            | 200              |
| Channel Y | 200            | 200              |
| Channel Z | 200            | 200              |

#### 8. Low Battery Alarm Voltage (Typical values for information)

| Typical values | Alarm Level (VDC) |
|----------------|-------------------|
| Supply (+ Vcc) | +7.9              |
| Supply (- Vcc) | -7.6              |

#### 9. Power Consumption (Typical values for information)

| Typical values | Switched off (mA) | Stand by (mA) | Transmitting (mA) |
|----------------|-------------------|---------------|-------------------|
| Supply (+ Vcc) | +0.01             | +6            | +14               |
| Supply (- Vcc) | -0.01             | -8            | -9                |

## ANNEX K: The EUT Appearance

The EUT Appearance are submitted separately.

## ANNEX L: Test Setup Photos

The Test Setup Photos are submitted separately.

\*\*\*\*\*END OF REPORT \*\*\*\*\*