

## D5000V2, serial no. 1006 Extended Dipole Calibrations

If dipoles are verified in return loss ( $< -20\text{dB}$ , within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

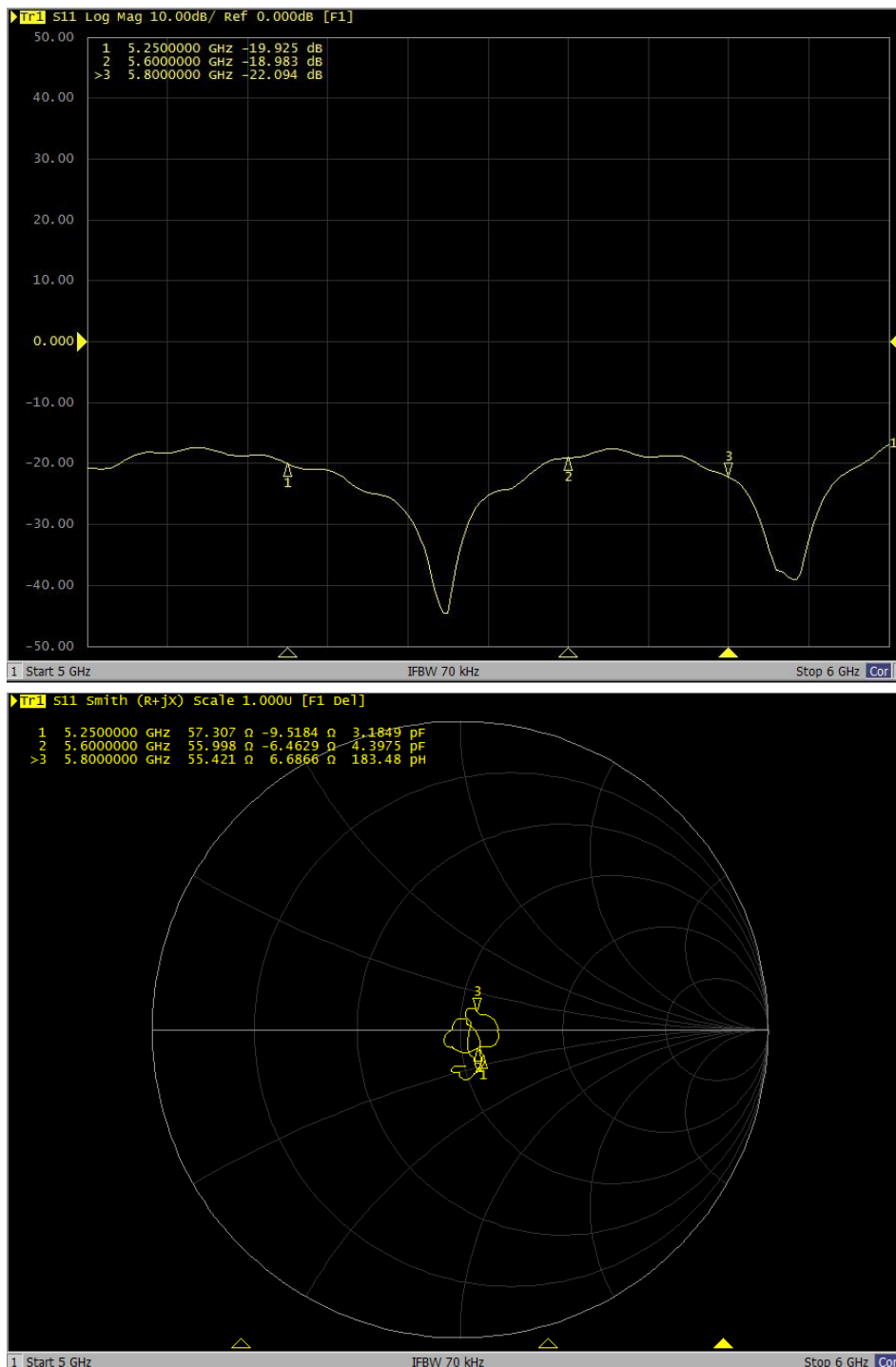
### <Justification of the extended calibration>

| D5000V2 – serial no. 1006   |                  |           |                      |             |                           |             |
|-----------------------------|------------------|-----------|----------------------|-------------|---------------------------|-------------|
| 5250MHZ                     |                  |           |                      |             |                           |             |
| Date of Measurement         | Return-Loss (dB) | Delta (%) | Real Impedance (ohm) | Delta (ohm) | Imaginary Impedance (ohm) | Delta (ohm) |
| 10.15.2024<br>(Cal. Report) | -23.831          |           | 52.962               |             | -5.937                    |             |
| 10.14.2025<br>(extended)    | -19.925          | 16.39%    | 57.307               | 4.345       | -9.5184                   | -3.5814     |
| 5600MHZ                     |                  |           |                      |             |                           |             |
| Date of Measurement         | Return-Loss (dB) | Delta (%) | Real Impedance (ohm) | Delta (ohm) | Imaginary Impedance (ohm) | Delta (ohm) |
| 10.15.2024<br>(Cal. Report) | -20.994          |           | 57.190               |             | -6.325                    |             |
| 10.14.2025<br>(extended)    | -18.983          | 9.579%    | 55.998               | -1.192      | -6.4629                   | -0.1379     |
| 5800MHZ                     |                  |           |                      |             |                           |             |
| Date of Measurement         | Return-Loss (dB) | Delta (%) | Real Impedance (ohm) | Delta (ohm) | Imaginary Impedance (ohm) | Delta (ohm) |
| 10.15.2024<br>(Cal. Report) | -24.405          |           | 55.486               |             | 3.209                     |             |
| 10.14.2025<br>(extended)    | -22.094          | 9.469%    | 55.421               | -0.065      | 6.6866                    | 3.4776      |

The return loss is  $< -20\text{dB}$ , within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data> - D5000V2, serial no. 1006 (Data of Measurement : 10.14.2025)

5000 MHz - Head



**Calibration Laboratory of****Schmid & Partner  
Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

**Sporton**

Taoyuan City

Certificate No.

**5G-Veri10-1020\_Jan26****CALIBRATION CERTIFICATE**

Object

5G Verification Source 10 GHz - SN: 1020

Calibration procedure(s)

QA CAL-45.v6

Calibration procedure for sources in air &gt; 6 GHz

Calibration date

January 15, 2026

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 Cal |
|-------------------------|----------|-----------------------------------|---------------|
| Reference Probe EUMMWV3 | SN: 9374 | 26-Aug-25 (No. Eumm_9374_Aug25)   | Aug-26        |
| DAE4ip                  | SN: 1602 | 30-Oct-25 (No. DAE4ip-1602_Oct25) | Oct-26        |

| Secondary Standards              | ID             | Check Date (in house)                  | Scheduled Check |
|----------------------------------|----------------|----------------------------------------|-----------------|
| Signal Generator R&S SMF100A     | SN: 100184     | 25-Nov-25 (No. IHCK_5G_VS_Nov25)       | Nov-26          |
| Power Sensor R&S NRP18S-10       | SN: 101258     | 25-Nov-25 (No. IHCK_5G_VS_Nov25)       | Nov-26          |
| Network Analyzer Keysight E5063A | SN: MY54504221 | 30-Sept-24 (No. 675-CAL18-S4489-Sep24) | Sep-26          |

|                                                                                                                 | Name           | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|----------------|-----------------------|-----------|
| Calibrated by                                                                                                   | Joanna Lleshaj | Laboratory Technician |           |
| Approved by                                                                                                     | Sven Kühn      | Technical Manager     |           |
| Issued: January 15, 2026                                                                                        |                |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |                |                       |           |

**Calibration Laboratory of**Schmid & Partner  
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

**Glossary**

CW Continuous wave

**Calibration is Performed According to the Following Standards**

- Internal procedure QA CAL-45, Calibration procedure for sources in air above 6 GHz.
- IEC/IEEE 63195-1, "Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz)", May 2022

**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:* The E-field is measured in two x-y-planes (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           | V3.2 |
| Phantom                        | 5G Phantom                    |      |
| Distance Horn Aperture - plane | 10 mm                         |      |
| Number of measured planes      | 2 (10mm, 10mm + $\lambda/4$ ) |      |
| Frequency                      | 10.0 GHz $\pm$ 10 MHz         |      |

## Calibration Parameters, 10 GHz

### Circular Averaging

| Distance Horn Aperture to Measurement Plane | Prad <sup>1</sup> (mW) | Max E-field (V/m) | Uncertainty (k = 2) | Avg Power Density<br>Avg ( psPDn+, psPDtot+, psPDmod+ )<br>(W/m <sup>2</sup> ) |                  | Uncertainty (k = 2) |
|---------------------------------------------|------------------------|-------------------|---------------------|--------------------------------------------------------------------------------|------------------|---------------------|
|                                             |                        |                   |                     | 1cm <sup>2</sup>                                                               | 4cm <sup>2</sup> |                     |
| 10 mm                                       | 93.3                   | 153               | 1.27 dB             | 58.0                                                                           | 54.5             | 1.28 dB             |

| Distance Horn Aperture to Measurement Plane | Prad <sup>1</sup> (mW) | Max E-field (V/m) | Uncertainty (k = 2) | Power Density<br>psPDn+, psPDtot+, psPDmod+<br>(W/m <sup>2</sup> ) |                  | Uncertainty (k = 2) |
|---------------------------------------------|------------------------|-------------------|---------------------|--------------------------------------------------------------------|------------------|---------------------|
|                                             |                        |                   |                     | 1cm <sup>2</sup>                                                   | 4cm <sup>2</sup> |                     |
| 10 mm                                       | 93.3                   | 153               | 1.27 dB             | 57.6, 58.1, 58.3                                                   | 54.0, 54.6, 54.9 | 1.28 dB             |

### Square Averaging

| Distance Horn Aperture to Measurement Plane | Prad <sup>1</sup> (mW) | Max E-field (V/m) | Uncertainty (k = 2) | Avg Power Density<br>Avg ( psPDn+, psPDtot+, psPDmod+ )<br>(W/m <sup>2</sup> ) |                  | Uncertainty (k = 2) |
|---------------------------------------------|------------------------|-------------------|---------------------|--------------------------------------------------------------------------------|------------------|---------------------|
|                                             |                        |                   |                     | 1cm <sup>2</sup>                                                               | 4cm <sup>2</sup> |                     |
| 10 mm                                       | 93.3                   | 153               | 1.27 dB             | 58.0                                                                           | 54.4             | 1.28 dB             |

| Distance Horn Aperture to Measurement Plane | Prad <sup>1</sup> (mW) | Max E-field (V/m) | Uncertainty (k = 2) | Power Density<br>psPDn+, psPDtot+, psPDmod+<br>(W/m <sup>2</sup> ) |                  | Uncertainty (k = 2) |
|---------------------------------------------|------------------------|-------------------|---------------------|--------------------------------------------------------------------|------------------|---------------------|
|                                             |                        |                   |                     | 1cm <sup>2</sup>                                                   | 4cm <sup>2</sup> |                     |
| 10 mm                                       | 93.3                   | 153               | 1.27 dB             | 57.6, 58.1, 58.3                                                   | 53.9, 54.6, 54.8 | 1.28 dB             |

### Max Power Density

| Distance Horn Aperture to Measurement Plane | Prad <sup>1</sup> (mW) | Max E-field (V/m) | Uncertainty (k = 2) | Max Power Density Sn, Stot,  Stot  (W/m <sup>2</sup> ) | Uncertainty (k = 2) |
|---------------------------------------------|------------------------|-------------------|---------------------|--------------------------------------------------------|---------------------|
| 10 mm                                       | 93.3                   | 153               | 1.27 dB             | 58.9, 59.4, 59.5                                       | 1.28 dB             |

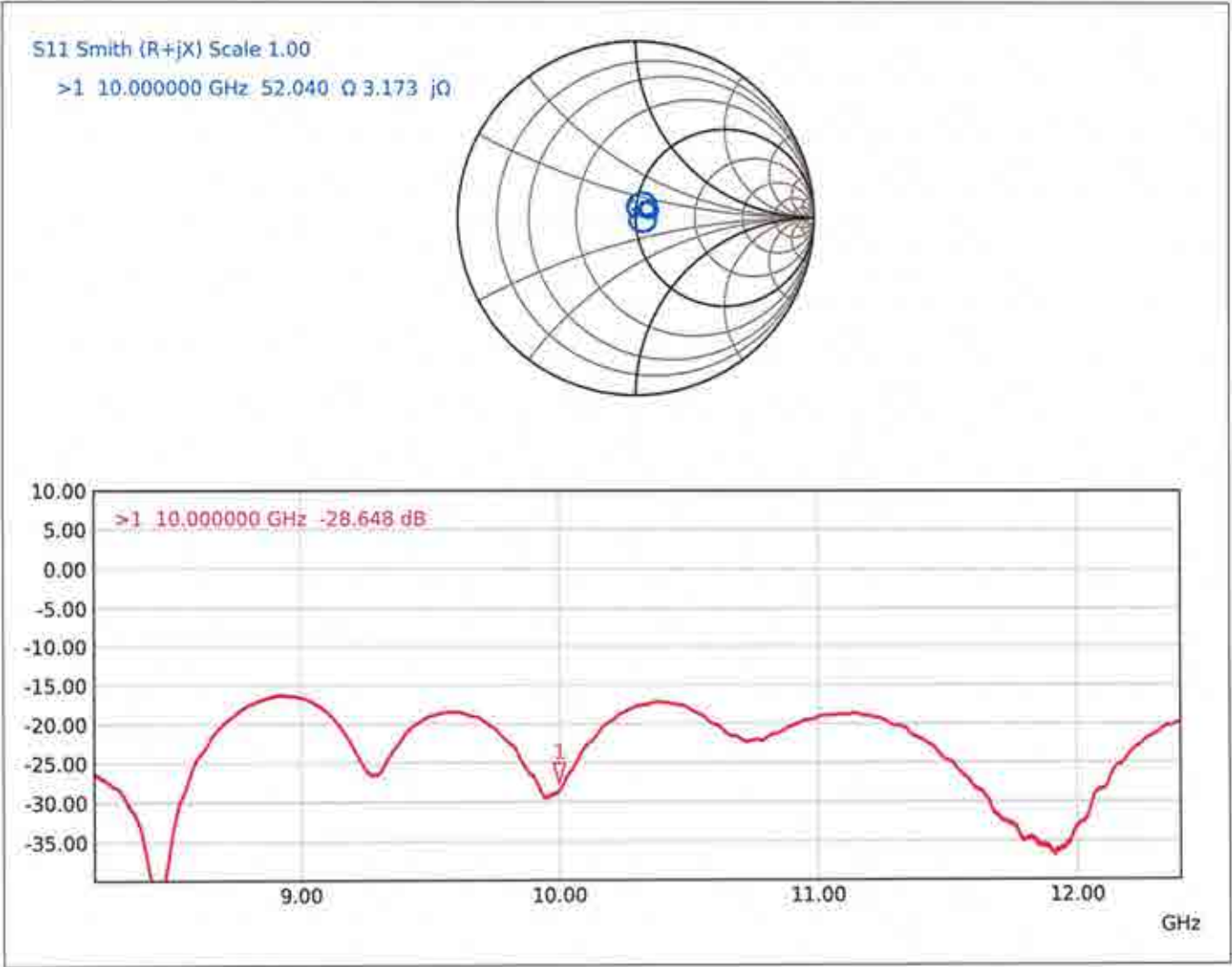
<sup>1</sup> Assessed ohmic and mismatch loss plus numerical offset: 0.30 dB

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters

|                                      |                 |
|--------------------------------------|-----------------|
| Impedance, transformed to feed point | 52.0 Ω + 3.2 jΩ |
| Return Loss                          | -28.6 dB        |

Impedance Measurement Plot



DASY Report

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

Device Under Test Properties

| Model, Manufacturer           | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1020 | --       |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| SC --           | 10.0 mm                      | Validation band | CW, 0--    | 10000.0,10000                   | 1.0               |

Hardware Setup

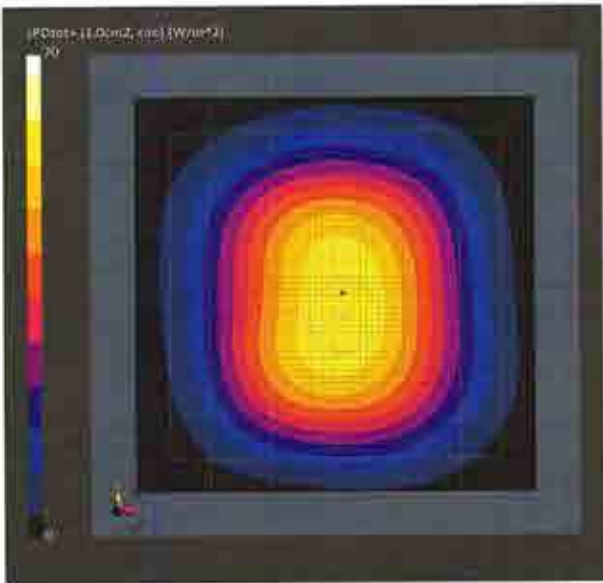
| Phantom           | Medium | Probe, Calibration Date               | DAE, Calibration Date       |
|-------------------|--------|---------------------------------------|-----------------------------|
| mmWave Phantom -- | Air -- | EUmmWV3 - SN9374_F1-55GHz, 2025-08-26 | DAE4ip - SN1602, 2025-10-30 |

Scans Setup

| Sensor Surface [mm] | 10.0          |
|---------------------|---------------|
| MAIA                | MAIA not used |

Measurement Results

| Scan Type                                    | 5G Scan            |
|----------------------------------------------|--------------------|
| Date                                         | 2025-07-15         |
| Avg. Area [cm <sup>2</sup> ]                 | 1.00               |
| Avg. Type                                    | Circular Averaging |
| psPD <sub>0</sub> [W/m <sup>2</sup> ]        | 57.6               |
| psPD <sub>tot</sub> [W/m <sup>2</sup> ]      | 58.1               |
| psPD <sub>drop</sub> [W/m <sup>2</sup> ]     | 58.3               |
| Max(S <sub>0</sub> ) [W/m <sup>2</sup> ]     | 58.9               |
| Max(S <sub>tot</sub> ) [W/m <sup>2</sup> ]   | 59.4               |
| Max( S <sub>tot</sub>  ) [W/m <sup>2</sup> ] | 59.5               |
| E <sub>max</sub> [V/m]                       | 153                |
| Power Drift [dB]                             | 0.02               |



DASY Report

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

Device Under Test Properties

| Model, Manufacturer           | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G-Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1020 | --       |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G --           | 10.0 mm                      | Validation band | CW, 0--    | 10000.0,10000                   | 1.0               |

Hardware Setup

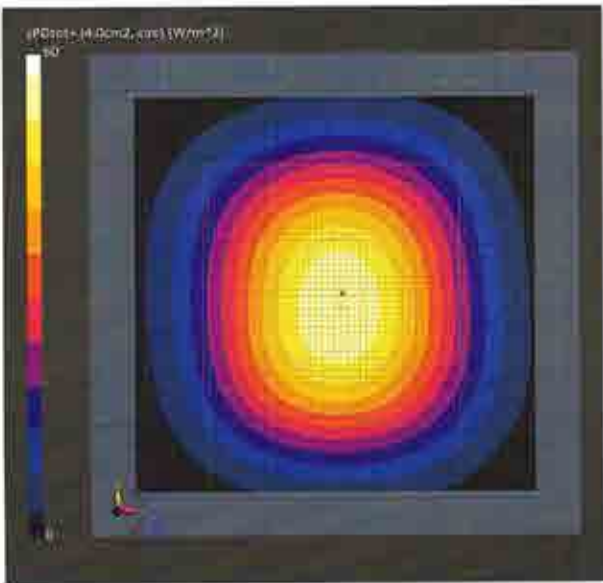
| Phantom           | Medium | Probe, Calibration Date                 | DAE, Calibration Date       |
|-------------------|--------|-----------------------------------------|-----------------------------|
| mmWave Phantom -- | Air -- | EUMmiWV3 - SN8374_F1 -55GHz, 2025-08-20 | DAE4ip - SN1602, 2025-10-30 |

Scans Setup

| Sensor Surface [mm] | 10.0          |
|---------------------|---------------|
| MAIA                | MAIA not used |

Measurement Results

| Scan Type                       | 5G Scan            |
|---------------------------------|--------------------|
| Date                            | 2026-01-15         |
| Avg. Area [cm <sup>2</sup> ]    | 4.00               |
| Avg. Type                       | Circular Averaging |
| psPDn+ [W/m <sup>2</sup> ]      | 54.0               |
| psPDtot+ [W/m <sup>2</sup> ]    | 54.6               |
| psPDmod+ [W/m <sup>2</sup> ]    | 54.9               |
| Max(Sn) [W/m <sup>2</sup> ]     | 58.9               |
| Max(Stot) [W/m <sup>2</sup> ]   | 59.4               |
| Max( Stot ) [W/m <sup>2</sup> ] | 59.5               |
| E <sub>max</sub> [V/m]          | 153                |
| Power Drift [dB]                | 0.02               |



5G Verification Source 10 GHz - SN: 1020

DASY Report

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

Device Under Test Properties

| Model, Manufacturer           | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1020 | --       |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G --           | 10.0 mm                      | Validation band | CW, 0--    | 10000.0,10000                   | 1.0               |

Hardware Setup

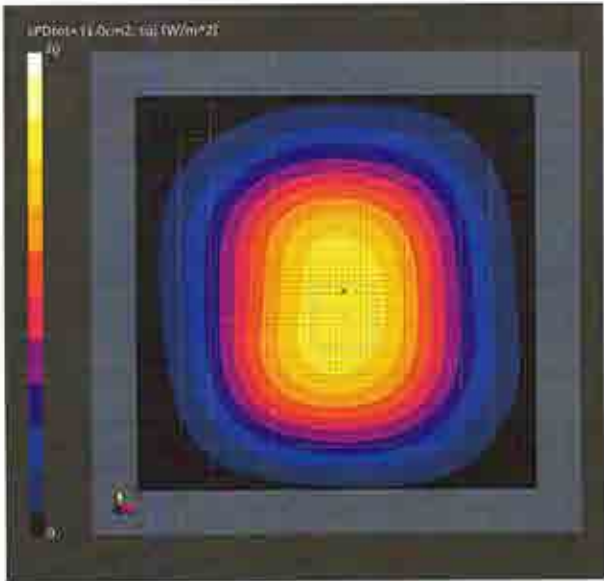
| Phantom           | Medium | Probe, Calibration Date                | DAE, Calibration Date       |
|-------------------|--------|----------------------------------------|-----------------------------|
| mmWave Phantom -- | Air -- | ElimmWV3 - SN9374_F1-55GHz, 2025-08-20 | DAE4ip - SN1602, 2025-10-30 |

Scans Setup

|                     |               |
|---------------------|---------------|
| Sensor Surface [mm] | 10.0          |
| MAIA                | MAIA not used |

Measurement Results

|                                  |                  |
|----------------------------------|------------------|
| Scan Type                        | 5G Scan          |
| Date                             | 2025-01-15       |
| Avg. Area [cm <sup>2</sup> ]     | 1.00             |
| Avg. Type                        | Square Averaging |
| psPDn+ [W/m <sup>2</sup> ]       | 57.6             |
| psPDtot+ [W/m <sup>2</sup> ]     | 58.1             |
| psPDmod+ [W/m <sup>2</sup> ]     | 58.3             |
| Max(Sn) [W/m <sup>2</sup> ]      | 58.9             |
| Max(Stot) [W/m <sup>2</sup> ]    | 59.4             |
| Max(Stot(i)) [W/m <sup>2</sup> ] | 59.5             |
| E <sub>max</sub> [V/m]           | 153              |
| Power Drift [dB]                 | 0.02             |



5G Verification Source 10 GHz - SN: 1020

DASY Report

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

Device Under Test Properties

| Model, Manufacturer           | Dimensions [mm]       | IMEI     | DUT Type |
|-------------------------------|-----------------------|----------|----------|
| 5G Verification Source 10 GHz | 100.0 x 100.0 x 172.0 | SN: 1020 | --       |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G --           | 10.0 mm                      | Validation band | CW, 0--    | 10000.0, 10000                  | 1.0               |

Hardware Setup

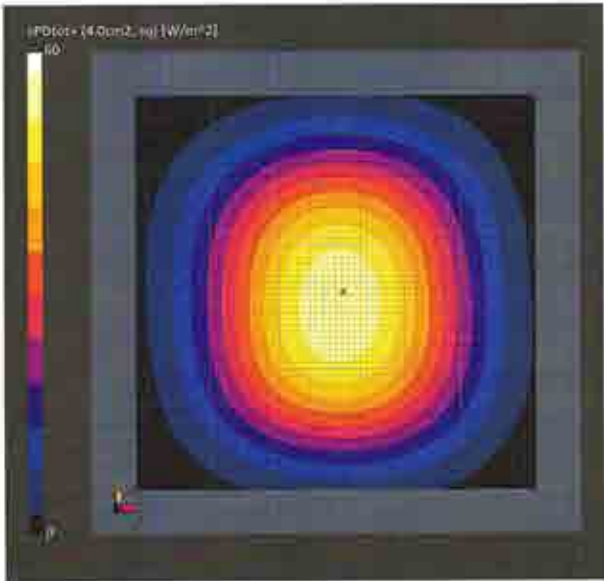
| Phantom           | Medium | Probe, Calibration Date               | DAE, Calibration Date       |
|-------------------|--------|---------------------------------------|-----------------------------|
| mmWave Phantom -- | Air -- | EJmmWV3 - SN9374_F1-55GHz, 2025-08-26 | DAE4ip - SN1602, 2025-10-30 |

Scans Setup

|                     |               |
|---------------------|---------------|
| Sensor Surface [mm] | 10.0          |
| MAIA                | MAIA not used |

Measurement Results

|                                   |                  |
|-----------------------------------|------------------|
| Scan Type                         | SC Scan          |
| Date                              | 2026-01-15       |
| Avg. Area [cm <sup>2</sup> ]      | 4.00             |
| Avg. Type                         | Square Averaging |
| psPDn+ [W/m <sup>2</sup> ]        | 53.9             |
| psPDtot+ [W/m <sup>2</sup> ]      | 54.6             |
| psPDmod+ [W/m <sup>2</sup> ]      | 54.8             |
| Max(Sn) [W/m <sup>2</sup> ]       | 58.9             |
| Max(Stot) [W/m <sup>2</sup> ]     | 59.4             |
| Max(I)Stot(I) [W/m <sup>2</sup> ] | 59.5             |
| E <sub>max</sub> [V/m]            | 153              |
| Power Drift [dB]                  | 0.02             |



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



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
 Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **Sporton**  
 Taoyuan City

Certificate No: **DAE4-1647\_Oct25**

## CALIBRATION CERTIFICATE

Object **DAE4 - SD 000 D04 BO - SN: 1647**

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

Calibration date: **October 20, 2025**

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        | 15-Aug-25 (No:43873)       | Aug-26                 |
| Secondary Standards           | ID #               | Check Date (in house)      | Scheduled Check        |
| Auto DAE Calibration Unit     | SE UWS 053 AA 1001 | 23-Jan-25 (in house check) | In house check: Jan-26 |
| Calibrator Box V2.1           | SE UMS 006 AA 1002 | 23-Jan-25 (in house check) | In house check: Jan-26 |

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

Issued: October 20, 2025

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

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          | 405.043 $\pm$ 0.02% (k=2) | 405.015 $\pm$ 0.02% (k=2) | 404.902 $\pm$ 0.02% (k=2) |
| Low Range           | 4.02013 $\pm$ 1.50% (k=2) | 3.98942 $\pm$ 1.50% (k=2) | 3.99033 $\pm$ 1.50% (k=2) |

**Connector Angle**

|                                           |                   |
|-------------------------------------------|-------------------|
| Connector Angle to be used in DASY system | 126.0 ° $\pm$ 1 ° |
|-------------------------------------------|-------------------|

## 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 | 200034.84                 | 0.17                         | 0.00      |
| Channel X  | + Input | 20003.30                  | -0.14                        | -0.00     |
| Channel X  | - Input | -20008.73                 | 1.37                         | -0.01     |
| Channel Y  | + Input | 200035.77                 | 0.84                         | 0.00      |
| Channel Y  | + Input | 19999.38                  | -4.01                        | -0.02     |
| Channel Y  | - Input | -20009.98                 | 0.17                         | -0.00     |
| Channel Z  | + Input | 200036.05                 | -0.09                        | -0.00     |
| Channel Z  | + Input | 20000.38                  | -2.97                        | -0.01     |
| Channel Z  | - Input | -20011.53                 | -1.37                        | 0.01      |

| Low Range |         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-----------|---------|---------------------------|------------------------------|-----------|
| Channel X | + Input | 1997.64                   | -0.27                        | -0.01     |
| Channel X | + Input | 197.83                    | -0.01                        | -0.01     |
| Channel X | - Input | -202.22                   | 0.00                         | -0.00     |
| Channel Y | + Input | 1997.95                   | 0.12                         | 0.01      |
| Channel Y | + Input | 197.22                    | -0.51                        | -0.26     |
| Channel Y | - Input | -203.09                   | -0.87                        | 0.43      |
| Channel Z | + Input | 1997.77                   | -0.09                        | -0.00     |
| Channel Z | + Input | 197.18                    | -0.58                        | -0.29     |
| Channel Z | - Input | -202.65                   | -0.41                        | 0.20      |

### 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                            | -4.24                                        | -5.33                                       |
|           | - 200                          | 6.15                                         | 4.48                                        |
| Channel Y | 200                            | 7.23                                         | 7.26                                        |
|           | - 200                          | -9.67                                        | -9.63                                       |
| Channel Z | 200                            | -9.20                                        | -9.68                                       |
|           | - 200                          | 8.88                                         | 8.75                                        |

### 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                | -                           | 1.06                        | -2.47                       |
| Channel Y | 200                | 5.27                        | -                           | 2.61                        |
| Channel Z | 200                | 8.46                        | 3.45                        | -                           |

**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 | 16031            | 16594           |
| Channel Y | 15902            | 16244           |
| Channel Z | 15869            | 13849           |

**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 | 0.68               | -0.56                  | 3.03                   | 0.46                      |
| Channel Y | -0.67              | -1.24                  | -0.13                  | 0.27                      |
| Channel Z | -0.16              | -1.36                  | 0.95                   | 0.37                      |

**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                |



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client: Sporton  
Taoyuan City

Certificate No: DAE4-1707\_Nov25

## CALIBRATION CERTIFICATE

Object: DAE4 - SD 000 D04 BO - SN: 1707

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

Calibration date: November 20, 2025

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        | 15-Aug-25 (No:43873)       | Aug-26                 |
| Secondary Standards           | ID #               | Check Date (in house)      | Scheduled Check        |
| Auto DAE Calibration Unit     | SE UWS 053 AA 1001 | 23-Jan-25 (in house check) | In house check: Jan-26 |
| Calibrator Box V2.1           | SE UMS 006 AA 1002 | 23-Jan-25 (in house check) | In house check: Jan-26 |

|               |           |                       |           |
|---------------|-----------|-----------------------|-----------|
| Calibrated by | Name      | Function              | Signature |
|               | Timo Rott | Laboratory Technician |           |
| Approved by   | Name      | Function              | Signature |
|               | Sven Kühn | Technical Manager     |           |

Issued: November 21, 2025

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

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          | 404.151 $\pm$ 0.02% (k=2) | 404.055 $\pm$ 0.02% (k=2) | 403.898 $\pm$ 0.02% (k=2) |
| Low Range           | 3.98055 $\pm$ 1.50% (k=2) | 3.97249 $\pm$ 1.50% (k=2) | 3.97532 $\pm$ 1.50% (k=2) |

**Connector Angle**

|                                           |                  |
|-------------------------------------------|------------------|
| Connector Angle to be used in DASY system | 27.0 ° $\pm$ 1 ° |
|-------------------------------------------|------------------|

## 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 | 199995.76                 | -0.04                        | -0.00     |
| Channel X  | + Input | 20002.58                  | 0.56                         | 0.00      |
| Channel X  | - Input | -20001.01                 | 2.08                         | -0.01     |
| Channel Y  | + Input | 199995.93                 | -0.03                        | -0.00     |
| Channel Y  | + Input | 19999.26                  | -2.43                        | -0.01     |
| Channel Y  | - Input | -20004.50                 | -1.06                        | 0.01      |
| Channel Z  | + Input | 199995.85                 | -0.03                        | -0.00     |
| Channel Z  | + Input | 20000.08                  | -1.76                        | -0.01     |
| Channel Z  | - Input | -20005.07                 | -1.76                        | 0.01      |

| Low Range |         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-----------|---------|---------------------------|------------------------------|-----------|
| Channel X | + Input | 2000.46                   | 0.15                         | 0.01      |
| Channel X | + Input | 201.01                    | 0.36                         | 0.18      |
| Channel X | - Input | -198.53                   | 0.66                         | -0.33     |
| Channel Y | + Input | 2000.18                   | 0.03                         | 0.00      |
| Channel Y | + Input | 199.75                    | -0.59                        | -0.29     |
| Channel Y | - Input | -199.92                   | -0.41                        | 0.21      |
| Channel Z | + Input | 1999.98                   | -0.21                        | -0.01     |
| Channel Z | + Input | 199.12                    | -1.33                        | -0.66     |
| Channel Z | - Input | -201.40                   | -1.89                        | 0.95      |

### 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                            | 6.87                                         | 5.11                                        |
|           | - 200                          | -4.04                                        | -5.44                                       |
| Channel Y | 200                            | 0.05                                         | -0.27                                       |
|           | - 200                          | -0.73                                        | -1.22                                       |
| Channel Z | 200                            | -5.18                                        | -5.80                                       |
|           | - 200                          | 3.55                                         | 2.86                                        |

### 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                | -                           | 3.19                        | -3.67                       |
| Channel Y | 200                | 6.56                        | -                           | 4.43                        |
| Channel Z | 200                | 7.97                        | 4.24                        | -                           |

**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 | 16123            | 16544           |
| Channel Y | 16230            | 14039           |
| Channel Z | 16093            | 17786           |

**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 | 0.47               | -0.39                  | 1.27                   | 0.32                      |
| Channel Y | -0.45              | -1.46                  | 0.30                   | 0.29                      |
| Channel Z | -0.93              | -2.06                  | -0.03                  | 0.42                      |

**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                |



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client **Sporton**  
Taoyuan City

Certificate No: DAE4-1424\_Dec25

## CALIBRATION CERTIFICATE

Object DAE4 - SD 000 D04 BM - SN: 1424

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

Calibration date: December 03, 2025

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        | 15-Aug-25 (No:43873)       | Aug-26                 |
| Secondary Standards           | ID #               | Check Date (in house)      | Scheduled Check        |
| Auto DAE Calibration Unit     | SE UWS 053 AA 1001 | 23-Jan-25 (in house check) | In house check: Jan-26 |
| Calibrator Box V2.1           | SE UMS 006 AA 1002 | 23-Jan-25 (in house check) | In house check: Jan-26 |

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

Issued: December 3, 2025

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

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          | 403.198 $\pm$ 0.02% (k=2) | 403.677 $\pm$ 0.02% (k=2) | 403.251 $\pm$ 0.02% (k=2) |
| Low Range           | 3.97122 $\pm$ 1.50% (k=2) | 3.99876 $\pm$ 1.50% (k=2) | 3.98584 $\pm$ 1.50% (k=2) |

**Connector Angle**

|                                           |                   |
|-------------------------------------------|-------------------|
| Connector Angle to be used in DASY system | 258.0 ° $\pm$ 1 ° |
|-------------------------------------------|-------------------|

## 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 | 200000.71                 | 1.23                         | 0.00      |
| Channel X  | + Input | 20007.07                  | 1.85                         | 0.01      |
| Channel X  | - Input | -19997.69                 | 2.16                         | -0.01     |
| Channel Y  | + Input | 200001.14                 | 1.62                         | 0.00      |
| Channel Y  | + Input | 20005.15                  | 0.09                         | 0.00      |
| Channel Y  | - Input | -19999.64                 | 0.31                         | -0.00     |
| Channel Z  | + Input | 200000.03                 | 0.86                         | 0.00      |
| Channel Z  | + Input | 20005.32                  | 0.19                         | 0.00      |
| Channel Z  | - Input | -20001.59                 | -1.60                        | 0.01      |

| Low Range |         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-----------|---------|---------------------------|------------------------------|-----------|
| Channel X | + Input | 2004.85                   | 1.36                         | 0.07      |
| Channel X | + Input | 204.25                    | 0.57                         | 0.28      |
| Channel X | - Input | -195.01                   | 1.00                         | -0.51     |
| Channel Y | + Input | 2004.49                   | 0.85                         | 0.04      |
| Channel Y | + Input | 203.44                    | -0.35                        | -0.17     |
| Channel Y | - Input | -196.79                   | -0.75                        | 0.38      |
| Channel Z | + Input | 2004.05                   | 0.64                         | 0.03      |
| Channel Z | + Input | 202.79                    | -0.91                        | -0.45     |
| Channel Z | - Input | -197.32                   | -1.21                        | 0.62      |

### 2. Common mode sensitivity

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

|           | Common mode<br>Input Voltage (mV) | High Range<br>Average Reading ( $\mu\text{V}$ ) | Low Range<br>Average Reading ( $\mu\text{V}$ ) |
|-----------|-----------------------------------|-------------------------------------------------|------------------------------------------------|
| Channel X | 200                               | -0.39                                           | -1.52                                          |
|           | - 200                             | 2.76                                            | 1.47                                           |
| Channel Y | 200                               | -12.86                                          | -12.97                                         |
|           | - 200                             | 11.75                                           | 11.62                                          |
| Channel Z | 200                               | -8.30                                           | -8.60                                          |
|           | - 200                             | 6.33                                            | 6.16                                           |

### 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                | -                           | 3.12                        | -3.75                       |
| Channel Y | 200                | 8.22                        | -                           | 3.88                        |
| Channel Z | 200                | 9.76                        | 6.53                        | -                           |

**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 | 15966            | 16765           |
| Channel Y | 15894            | 17548           |
| Channel Z | 15877            | 14088           |

**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 | 0.61               | -1.67                  | 1.44                   | 0.37                      |
| Channel Y | -0.90              | -1.66                  | 0.01                   | 0.35                      |
| Channel Z | -1.07              | -2.71                  | 0.54                   | 0.42                      |

**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                |

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



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
 Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **Sporton**  
 Taoyuan City

Certificate No: **DAE4-1776\_Feb26**

## CALIBRATION CERTIFICATE

Object **DAE4 - SD 000 D04 BP - SN: 1776**

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

Calibration date: **February 13, 2026**

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        | 15-Aug-25 (No:43873)       | Aug-26                 |
| Secondary Standards           | ID #               | Check Date (in house)      | Scheduled Check        |
| Auto DAE Calibration Unit     | SE UWS 053 AA 1001 | 23-Jan-26 (in house check) | In house check: Jan-27 |
| Calibrator Box V2.1           | SE UMS 006 AA 1002 | 23-Jan-26 (in house check) | In house check: Jan-27 |

Calibrated by: **Name** Adrian Gehring **Function** Laboratory Technician **Signature**

Approved by: **Sven Kühn** **Technical Manager**

Issued: February 13, 2026

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

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 = 6.1µV , 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          | 405.683 ± 0.02% (k=2) | 405.565 ± 0.02% (k=2) | 405.636 ± 0.02% (k=2) |
| Low Range           | 3.99942 ± 1.50% (k=2) | 3.97333 ± 1.50% (k=2) | 3.96413 ± 1.50% (k=2) |

Connector Angle

|                                           |             |
|-------------------------------------------|-------------|
| Connector Angle to be used in DASY system | 8.5 ° ± 1 ° |
|-------------------------------------------|-------------|

## 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 | 200000.08                 | 1.12                         | 0.00      |
| Channel X  | + Input | 20005.64                  | 0.08                         | 0.00      |
| Channel X  | - Input | -19997.10                 | 2.40                         | -0.01     |
| Channel Y  | + Input | 199999.55                 | 0.78                         | 0.00      |
| Channel Y  | + Input | 20003.77                  | -1.62                        | -0.01     |
| Channel Y  | - Input | -19999.70                 | 0.01                         | -0.00     |
| Channel Z  | + Input | 199998.48                 | -0.57                        | -0.00     |
| Channel Z  | + Input | 20002.94                  | -2.46                        | -0.01     |
| Channel Z  | - Input | -20001.03                 | -1.36                        | 0.01      |

| Low Range |         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-----------|---------|---------------------------|------------------------------|-----------|
| Channel X | + Input | 2004.84                   | 0.94                         | 0.05      |
| Channel X | + Input | 204.46                    | 0.39                         | 0.19      |
| Channel X | - Input | -195.37                   | 0.31                         | -0.16     |
| Channel Y | + Input | 2004.69                   | 0.90                         | 0.05      |
| Channel Y | + Input | 203.70                    | -0.32                        | -0.16     |
| Channel Y | - Input | -196.42                   | -0.62                        | 0.32      |
| Channel Z | + Input | 2004.43                   | 0.69                         | 0.03      |
| Channel Z | + Input | 203.29                    | -0.73                        | -0.36     |
| Channel Z | - Input | -197.06                   | -1.28                        | 0.66      |

## 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                            | 23.10                                        | 21.34                                       |
|           | - 200                          | -21.99                                       | -23.26                                      |
| Channel Y | 200                            | -4.69                                        | -4.83                                       |
|           | - 200                          | 3.28                                         | 3.02                                        |
| Channel Z | 200                            | 14.97                                        | 14.84                                       |
|           | - 200                          | -17.60                                       | -17.60                                      |

## 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                | -                           | 1.06                        | -2.96                       |
| Channel Y | 200                | 4.93                        | -                           | 2.32                        |
| Channel Z | 200                | 7.40                        | 2.92                        | -                           |

**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 | 15968            | 14752           |
| Channel Y | 16120            | 16934           |
| Channel Z | 16031            | 13429           |

**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 | 0.29               | -0.34                  | 0.94                   | 0.31                      |
| Channel Y | -0.70              | -1.65                  | -0.05                  | 0.33                      |
| Channel Z | -0.88              | -1.92                  | 0.20                   | 0.35                      |

**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                |

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



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
 Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **Sporton**  
 Taoyuan City

Certificate No: **DAE4-699\_Feb26**

## CALIBRATION CERTIFICATE

Object **DAE4 - SD.000 D04 BO - SN: 699**

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

Calibration date: **February 13, 2026**

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        | 15-Aug-25 (No:43873)       | Aug-26                 |
| Secondary Standards           | ID #               | Check Date (in house)      | Scheduled Check        |
| Auto DAE Calibration Unit     | SE UWS 053 AA 1001 | 23-Jan-26 (in house check) | In house check: Jan-27 |
| Calibrator Box V2.1           | SE UMS 006 AA 1002 | 23-Jan-26 (in house check) | In house check: Jan-27 |

|                |                |                       |           |
|----------------|----------------|-----------------------|-----------|
|                | Name           | Function              | Signature |
| Calibrated by: | Adrian Gehring | Laboratory Technician |           |

|              |           |                   |
|--------------|-----------|-------------------|
| Approved by: | Sven Kühn | Technical Manager |
|--------------|-----------|-------------------|

Issued: February 13, 2026

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

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          | 404.780 $\pm$ 0.02% (k=2) | 403.410 $\pm$ 0.02% (k=2) | 404.576 $\pm$ 0.02% (k=2) |
| Low Range           | 3.93354 $\pm$ 1.50% (k=2) | 3.95127 $\pm$ 1.50% (k=2) | 3.97689 $\pm$ 1.50% (k=2) |

**Connector Angle**

|                                           |                   |
|-------------------------------------------|-------------------|
| Connector Angle to be used in DASY system | 171.5 ° $\pm$ 1 ° |
|-------------------------------------------|-------------------|

## 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 | 199995.30                 | -0.31                        | -0.00     |
| Channel X  | + Input | 20002.17                  | -0.43                        | -0.00     |
| Channel X  | - Input | -19998.37                 | 3.90                         | -0.02     |
| Channel Y  | + Input | 199996.48                 | 0.68                         | 0.00      |
| Channel Y  | + Input | 20000.78                  | -1.85                        | -0.01     |
| Channel Y  | - Input | -20005.47                 | -3.23                        | 0.02      |
| Channel Z  | + Input | 199995.87                 | 0.13                         | 0.00      |
| Channel Z  | + Input | 20000.06                  | -2.57                        | -0.01     |
| Channel Z  | - Input | -20001.49                 | 0.76                         | -0.00     |

| Low Range |         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-----------|---------|---------------------------|------------------------------|-----------|
| Channel X | + Input | 2001.21                   | 0.11                         | 0.01      |
| Channel X | + Input | 201.80                    | 0.56                         | 0.28      |
| Channel X | - Input | -197.99                   | 0.44                         | -0.22     |
| Channel Y | + Input | 2002.02                   | 1.10                         | 0.05      |
| Channel Y | + Input | 200.29                    | -0.83                        | -0.41     |
| Channel Y | - Input | -199.47                   | -0.87                        | 0.44      |
| Channel Z | + Input | 2001.17                   | 0.15                         | 0.01      |
| Channel Z | + Input | 200.90                    | -0.21                        | -0.11     |
| Channel Z | - Input | -199.00                   | -0.38                        | 0.19      |

## 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                            | -1.66                                        | -2.85                                       |
|           | - 200                          | 3.68                                         | 3.02                                        |
| Channel Y | 200                            | 23.39                                        | 23.20                                       |
|           | - 200                          | -24.68                                       | -25.34                                      |
| Channel Z | 200                            | 8.20                                         | 8.06                                        |
|           | - 200                          | -9.68                                        | -9.33                                       |

## 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                | -                           | -2.01                       | -1.80                       |
| Channel Y | 200                | 7.64                        | -                           | -1.09                       |
| Channel Z | 200                | 3.99                        | 7.42                        | -                           |

**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 | 16112            | 16319           |
| Channel Y | 16432            | 16440           |
| Channel Z | 16307            | 17302           |

**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 | 0.90               | -0.99                  | 1.74                   | 0.42                      |
| Channel Y | -0.67              | -1.76                  | 0.54                   | 0.47                      |
| Channel Z | -0.11              | -0.82                  | 0.82                   | 0.35                      |

**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                |



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client **Sporton**  
Taoyuan City

Certificate No: **DAE4-1399\_Mar26**

CALIBRATION CERTIFICATE

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                   |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------|------------------------|
| Object                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DAE4 - SD 000 D04 BM - SN: 1399                                                   |                                   |                        |
| Calibration procedure(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QA CAL-06.v30<br>Calibration procedure for the data acquisition electronics (DAE) |                                   |                        |
| Calibration date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | March 11, 2026                                                                    |                                   |                        |
| <p>This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).<br/>The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.</p> <p>All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity &lt; 70%.</p> <p>Calibration Equipment used (M&amp;TE critical for calibration)</p> |                                                                                   |                                   |                        |
| Primary Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ID #                                                                              | Cal Date (Certificate No.)        | Scheduled Calibration  |
| Keithley Multimeter Type 2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SN: 0810278                                                                       | 15-Aug-25 (No:43873)              | Aug-26                 |
| Secondary Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ID #                                                                              | Check Date (in house)             | Scheduled Check        |
| Auto DAE Calibration Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SE UWS 053 AA 1001                                                                | 23-Jan-26 (in house check)        | In house check: Jan-27 |
| Calibrator Box V2.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SE UMS 006 AA 1002                                                                | 23-Jan-26 (in house check)        | In house check: Jan-27 |
| Calibrated by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Name<br>Dominique Steffen                                                         | Function<br>Laboratory Technician | Signature<br>          |
| Approved by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sven Kühn                                                                         | Technical Manager                 |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                   | Issued: March 11, 2026 |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory.                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                   |                        |

Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

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.

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1µV , 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          | 403.665 ± 0.02% (k=2) | 403.928 ± 0.02% (k=2) | 403.780 ± 0.02% (k=2) |
| Low Range           | 3.98303 ± 1.50% (k=2) | 3.99266 ± 1.50% (k=2) | 3.98161 ± 1.50% (k=2) |

Connector Angle

|                                           |               |
|-------------------------------------------|---------------|
| Connector Angle to be used in DASY system | 313.0 ° ± 1 ° |
|-------------------------------------------|---------------|

**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 | 199997.31                 | 0.46                         | 0.00      |
| Channel X  | + Input | 20003.85                  | 0.91                         | 0.00      |
| Channel X  | - Input | -20000.37                 | 1.74                         | -0.01     |
| Channel Y  | + Input | 199997.86                 | 1.00                         | 0.00      |
| Channel Y  | + Input | 20001.85                  | -0.91                        | -0.00     |
| Channel Y  | - Input | -20002.77                 | -0.54                        | 0.00      |
| Channel Z  | + Input | 199997.09                 | 0.18                         | 0.00      |
| Channel Z  | + Input | 20002.47                  | -0.33                        | -0.00     |
| Channel Z  | - Input | -20003.88                 | -1.67                        | 0.01      |

| Low Range |         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-----------|---------|---------------------------|------------------------------|-----------|
| Channel X | + Input | 2001.64                   | 0.10                         | 0.00      |
| Channel X | + Input | 202.02                    | 0.42                         | 0.21      |
| Channel X | - Input | -197.86                   | 0.23                         | -0.12     |
| Channel Y | + Input | 2001.12                   | -0.14                        | -0.01     |
| Channel Y | + Input | 201.15                    | -0.24                        | -0.12     |
| Channel Y | - Input | -198.79                   | -0.51                        | 0.26      |
| Channel Z | + Input | 2001.28                   | 0.03                         | 0.00      |
| Channel Z | + Input | 200.60                    | -0.80                        | -0.39     |
| Channel Z | - Input | -199.45                   | -1.29                        | 0.65      |

**2. Common mode sensitivity**

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

|           | Common mode<br>Input Voltage (mV) | High Range<br>Average Reading ( $\mu\text{V}$ ) | Low Range<br>Average Reading ( $\mu\text{V}$ ) |
|-----------|-----------------------------------|-------------------------------------------------|------------------------------------------------|
| Channel X | 200                               | -5.34                                           | -6.92                                          |
|           | - 200                             | 8.52                                            | 6.27                                           |
| Channel Y | 200                               | -5.21                                           | -5.55                                          |
|           | - 200                             | 4.55                                            | 4.54                                           |
| Channel Z | 200                               | -7.18                                           | -7.09                                          |
|           | - 200                             | 4.99                                            | 4.84                                           |

**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                | -                           | 4.90                        | -2.09                       |
| Channel Y | 200                | 9.40                        | -                           | 6.10                        |
| Channel Z | 200                | 8.58                        | 7.24                        | -                           |

#### 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 | 15809            | 14330           |
| Channel Y | 16121            | 16732           |
| Channel Z | 15873            | 14455           |

#### 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 | 0.74               | -0.24                  | 1.36                   | 0.30                      |
| Channel Y | -0.12              | -0.87                  | 1.51                   | 0.34                      |
| Channel Z | -0.64              | -1.48                  | 0.99                   | 0.34                      |

#### 6. Input Offset Current

Nominal Input circuitry offset current on all channels: <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                |



Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **Sporton**  
 Taoyuan City

Certificate No: **DAE4-1805\_May26**

## CALIBRATION CERTIFICATE

Object **DAE4 - SD 000 D04 BP - SN: 1805**

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

Calibration date: **May 19, 2026**

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  |
|-------------------------------|--------------------|----------------------------|------------------------|
| Keithley Multimeter Type 2001 | SN: 0810278        | 15-Aug-25 (No:43873)       | Aug-26                 |
| Secondary Standards           | ID #               | Check Date (in house)      | Scheduled Check        |
| Auto DAE Calibration Unit     | SE UWS 053 AA 1001 | 23-Jan-26 (in house check) | In house check: Jan-27 |
| Calibrator Box V2.1           | SE UMS 006 AA 1002 | 23-Jan-26 (in house check) | In house check: Jan-27 |

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

Issued: May 20, 2026

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

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



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

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          | 405.138 $\pm$ 0.02% (k=2) | 404.962 $\pm$ 0.02% (k=2) | 404.968 $\pm$ 0.02% (k=2) |
| Low Range           | 3.99939 $\pm$ 1.50% (k=2) | 3.97054 $\pm$ 1.50% (k=2) | 3.97073 $\pm$ 1.50% (k=2) |

**Connector Angle**

|                                           |                  |
|-------------------------------------------|------------------|
| Connector Angle to be used in DASY system | 97.5 ° $\pm$ 1 ° |
|-------------------------------------------|------------------|

## 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 | 199996.86                 | 0.96                         | 0.00      |
| Channel X  | + Input | 20005.30                  | 2.32                         | 0.01      |
| Channel X  | - Input | -20000.82                 | 1.21                         | -0.01     |
| Channel Y  | + Input | 199997.98                 | 1.85                         | 0.00      |
| Channel Y  | + Input | 20002.37                  | -0.44                        | -0.00     |
| Channel Y  | - Input | -20003.02                 | -0.83                        | 0.00      |
| Channel Z  | + Input | 199997.58                 | 1.32                         | 0.00      |
| Channel Z  | + Input | 20003.82                  | 1.02                         | 0.01      |
| Channel Z  | - Input | -20002.63                 | -0.40                        | 0.00      |

| Low Range |         | Reading ( $\mu\text{V}$ ) | Difference ( $\mu\text{V}$ ) | Error (%) |
|-----------|---------|---------------------------|------------------------------|-----------|
| Channel X | + Input | 2001.12                   | -0.26                        | -0.01     |
| Channel X | + Input | 201.83                    | 0.33                         | 0.16      |
| Channel X | - Input | -197.54                   | 0.66                         | -0.33     |
| Channel Y | + Input | 2001.24                   | -0.03                        | -0.00     |
| Channel Y | + Input | 200.59                    | -0.81                        | -0.40     |
| Channel Y | - Input | -199.46                   | -1.17                        | 0.59      |
| Channel Z | + Input | 2001.11                   | -0.06                        | -0.00     |
| Channel Z | + Input | 200.97                    | -0.38                        | -0.19     |
| Channel Z | - Input | -199.11                   | -0.85                        | 0.43      |

### 2. Common mode sensitivity

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

|           | Common mode<br>Input Voltage (mV) | High Range<br>Average Reading ( $\mu\text{V}$ ) | Low Range<br>Average Reading ( $\mu\text{V}$ ) |
|-----------|-----------------------------------|-------------------------------------------------|------------------------------------------------|
| Channel X | 200                               | -3.75                                           | -5.36                                          |
|           | - 200                             | 6.59                                            | 4.53                                           |
| Channel Y | 200                               | 16.43                                           | 16.02                                          |
|           | - 200                             | -19.20                                          | -19.13                                         |
| Channel Z | 200                               | 0.51                                            | 0.28                                           |
|           | - 200                             | -2.35                                           | -2.32                                          |

### 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                | -                           | 1.41                        | -4.39                       |
| Channel Y | 200                | 6.90                        | -                           | 3.79                        |
| Channel Z | 200                | 8.41                        | 4.34                        | -                           |

**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 | 16060            | 15059           |
| Channel Y | 15822            | 13648           |
| Channel Z | 16017            | 15803           |

**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 | 0.85               | -0.73                  | 1.82                   | 0.39                      |
| Channel Y | -0.81              | -2.04                  | 0.61                   | 0.47                      |
| Channel Z | -0.37              | -1.57                  | 0.83                   | 0.39                      |

**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                |

**Calibration Laboratory of**Schmid & Partner  
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst  
C Service suisse d'étalonnage  
S Servizio svizzero di taratura  
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

**Sporton**  
Taoyuan City

Certificate No.

**EX-7695\_Aug26****CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7695

Calibration procedure(s)

QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,  
QA CAL-25.v8, QA CAL-48.v2  
Calibration procedure for dosimetric E-field probes

Calibration date

August 14, 2026

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         | Calibration Date (Certificate No.)     | Sched. Cal. |
|-----------------------------|------------|----------------------------------------|-------------|
| Power Sensor R&S NRP40T     | SN: 101861 | 22-Apr-26 (No. 2026-007003)            | Apr-27      |
| N-type mismatch combination | SN: L1119  | 26-Mar-26 (No. 2026-005592)            | Mar-27      |
| OCP DAK-12                  | SN: 1016   | 16-Sept-25 (No. OCP-DAK12-1016_Sep25)  | Sep-26      |
| OCP DAK-3.5                 | SN: 1249   | 16-Sept-25 (No. OCP-DAK3.5-1249_Sep25) | Sep-26      |
| Reference Probe EX3DV4      | SN: 7349   | 29-Jan-26 (No. EX3-7349_Jan26)         | Jan-27      |
| DAE4                        | SN: 1301   | 22-Jan-26 (No. DAE4-1301_Jan26)        | Jan-27      |

| Secondary Standards              | ID             | Check Date (in house)                  | Sched. Check |
|----------------------------------|----------------|----------------------------------------|--------------|
| ACAP 2020 Setup 1                | SN: L1404      | 01-Oct-25 (No. IHCK_ACAP2020-1_Oct25)  | Oct-26       |
| OCP DAK-12                       | SN: 1029       | 24-Feb-26 (No. OCP-DAK12-1029_Feb26)   | Feb-27       |
| OCP DAK-3.5                      | SN: 1336       | 10-Dec-25 (No. OCP-DAK3.5-1336_Dec25)  | Dec-26       |
| Network Analyzer Keysight E5063A | SN: MY54504221 | 30-Sept-24 (No. 675-CAL18-S4489-Sep24) | Sep-26       |

|               | Name             | Function              | Signature               |
|---------------|------------------|-----------------------|-------------------------|
| Calibrated by | Henrique Almeida | Laboratory Technician | <i>Henrique Almeida</i> |
| Approved by   | Sven Kühn        | Technical Manager     | <i>Sven Kühn</i>        |

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Issued: August 16, 2026

**Calibration Laboratory of**Schmid & Partner  
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst  
C Service suisse d'étalonnage  
S Servizio svizzero di taratura  
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

**Glossary**

|                        |                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| TSL                    | tissue simulating liquid                                                                                                                       |
| NORM <sub>x,y,z</sub>  | sensitivity in free space                                                                                                                      |
| ConvF                  | sensitivity in TSL / NORM <sub>x,y,z</sub>                                                                                                     |
| DCP                    | diode compression point                                                                                                                        |
| CF                     | crest factor (1/duty_cycle) of the RF signal                                                                                                   |
| A, B, C, D             | modulation dependent linearization parameters                                                                                                  |
| Polarization $\varphi$ | $\varphi$ rotation around probe axis                                                                                                           |
| Polarization $\theta$  | $\theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is normal to probe axis |
| Connector Angle        | information used in DASY system to align probe sensor X to the robot coordinate system                                                         |

**Calibration is Performed According to the Following Standards:**

- IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-Held and Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation and Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

**Methods Applied and Interpretation of Parameters:**

- NORM<sub>x,y,z</sub>**: Assessed for E-field polarization  $\theta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> do not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM( $f$ )<sub>x,y,z</sub>** = NORM<sub>x,y,z</sub> \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP<sub>x,y,z</sub>**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP is independent of frequency and medium.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; VR<sub>x,y,z</sub>**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweeps for specific modulation signals. The parameters are independent of frequency and medium. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \leq 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 800$  MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy)**: In a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).

EX3DV4 - SN:7695

August 14, 2026

## Parameters of Probe: EX3DV4 - SN:7695

## Basic Calibration Parameters

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc (k = 2)  |
|-----------------------------------------------------------|----------|----------|----------|--------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.56     | 0.67     | 0.55     | $\pm 10.1\%$ |
| DCP (mV) <sup>B</sup>                                     | 104.3    | 105.7    | 106.3    | $\pm 4.7\%$  |

## Calibration Results for Modulation Response

| UID   | Communication System Name      |   | A<br>dB | B<br>dB $\sqrt{\mu\text{V}}$ | C     | D<br>dB | VR<br>mV | Max<br>dev. | Max<br>Unc <sup>E</sup><br>k = 2 |
|-------|--------------------------------|---|---------|------------------------------|-------|---------|----------|-------------|----------------------------------|
| 0     | Continuous Wave                | X | 0.00    | 0.00                         | 1.00  | 0.00    | 147.8    | $\pm 1.4\%$ | $\pm 4.7\%$                      |
|       |                                | Y | 0.00    | 0.00                         | 1.00  |         | 138.8    |             |                                  |
|       |                                | Z | 0.00    | 0.00                         | 1.00  |         | 149.8    |             |                                  |
| 10352 | Pulse (D=10%, T=5 ms)          | X | 0.63    | 69.97                        | 18.05 | 10.00   | 23.0     | $\pm 1.8\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 0.44    | 62.17                        | 15.30 |         | 24.0     |             |                                  |
|       |                                | Z | 0.21    | 59.43                        | 14.68 |         | 23.0     |             |                                  |
| 10353 | Pulse (D=20%, T=5 ms)          | X | 0.59    | 72.98                        | 18.10 | 6.99    | 46.0     | $\pm 1.5\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 0.41    | 65.18                        | 15.36 |         | 47.0     |             |                                  |
|       |                                | Z | 0.20    | 62.44                        | 14.72 |         | 47.0     |             |                                  |
| 10354 | Pulse (D=40%, T=5 ms)          | X | 0.55    | 75.99                        | 18.16 | 3.98    | 93.0     | $\pm 1.4\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 0.38    | 68.19                        | 15.42 |         | 94.0     |             |                                  |
|       |                                | Z | 0.18    | 65.45                        | 14.75 |         | 94.0     |             |                                  |
| 10355 | Pulse (D=60%, T=5 ms)          | X | 0.53    | 77.75                        | 18.19 | 2.22    | 139.0    | $\pm 1.4\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 0.37    | 69.95                        | 15.46 |         | 141.0    |             |                                  |
|       |                                | Z | 0.18    | 67.21                        | 14.76 |         | 140.0    |             |                                  |
| 10387 | Random (BW=1 MHz, MOD=QPSK)    | X | 0.00    | 50.28                        | 19.58 | 0.19    | 108.0    | $\pm 1.6\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 0.00    | 67.07                        | 16.99 |         | 109.0    |             |                                  |
|       |                                | Z | 0.02    | 80.80                        | 15.87 |         | 109.0    |             |                                  |
| 10388 | Random (BW=10 MHz, MOD=QPSK)   | X | 1.63    | 74.76                        | 17.42 | 0.00    | 114.0    | $\pm 2.7\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 0.82    | 66.96                        | 14.65 |         | 115.0    |             |                                  |
|       |                                | Z | 0.54    | 64.22                        | 13.99 |         | 115.0    |             |                                  |
| 10396 | Random (BW=100 kHz, MOD=64QAM) | X | 0.00    | 73.70                        | 20.74 | 1.63    | 80.0     | $\pm 3.8\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 0.00    | 65.90                        | 18.47 |         | 81.0     |             |                                  |
|       |                                | Z | 0.00    | 80.59                        | 17.14 |         | 81.0     |             |                                  |
| 10399 | Random (BW=40 MHz, MOD=64QAM)  | X | 3.80    | 73.70                        | 17.29 | 0.00    | 105.0    | $\pm 4.2\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 2.09    | 65.90                        | 13.91 |         | 107.0    |             |                                  |
|       |                                | Z | 1.50    | 63.16                        | 13.01 |         | 107.0    |             |                                  |
| 10414 | Random (BW=40 MHz, HIGH PAR)   | X | 4.59    | 71.43                        | 17.29 | 0.00    | 77.0     | $\pm 2.1\%$ | $\pm 9.6\%$                      |
|       |                                | Y | 2.42    | 63.63                        | 13.87 |         | 78.0     |             |                                  |
|       |                                | Z | 1.83    | 60.89                        | 12.90 |         | 78.0     |             |                                  |

Note: For details on UID parameters see Appendix

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%.

<sup>A</sup> The uncertainties of Norm X,Y,Z do not affect the  $E^2$ -field uncertainty inside TSL (see Pages 5 and 6).

<sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.

<sup>E</sup> Uncertainty is determined as the maximum deviation from linearity, assuming a rectangular distribution, and is expressed in terms of the squared field value.

EX3DV4 - SN:7695

August 14, 2026

**Parameters of Probe: EX3DV4 - SN:7695****Sensor Model Parameters**

|   | C1<br>fF | C2<br>fF | $\alpha$<br>V <sup>-1</sup> | T1<br>ms V <sup>-2</sup> | T2<br>ms V <sup>-1</sup> | T3<br>ms | T4<br>V <sup>-2</sup> | T5<br>V <sup>-1</sup> | T6   |
|---|----------|----------|-----------------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| x | 9.6      | 70.23    | 34.46                       | 2.74                     | 0.00                     | 4.90     | 0.38                  | 0.00                  | 1.00 |
| y | 8.7      | 62.90    | 33.58                       | 4.13                     | 0.00                     | 4.90     | 0.58                  | 0.00                  | 1.00 |
| z | 8.2      | 59.37    | 33.76                       | 2.08                     | 0.00                     | 4.90     | 0.42                  | 0.00                  | 1.00 |

**Other Probe Parameters**

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle                               | -78.1°     |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 336 mm     |
| Probe Body Diameter                           | 12 mm      |
| Tip Length                                    | 9 mm       |
| Tip Diameter                                  | 2.5 mm     |
| Probe Tip to Sensor X Calibration Point       | 1 mm       |
| Probe Tip to Sensor Y Calibration Point       | 1 mm       |
| Probe Tip to Sensor Z Calibration Point       | 1 mm       |
| Recommended Measurement Distance from Surface | 1.4 mm     |

**Note:** Measurement distance from surface can be increased to 3–4 mm for an Area Scan job.

EX3DV4 - SN:7695

August 14, 2026

**Parameters of Probe: EX3DV4 - SN:7695****Calibration Parameter Determined in HSL**

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc <sup>H</sup> (k = 2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|--------------------------|
| 13                   | 55.0                               | 0.75                            | 14.15   | 14.46   | 14.12   | 0.00               | 1.25                    | ±13.3%                   |
| 750                  | 41.9                               | 0.89                            | 9.14    | 9.72    | 9.56    | 0.34               | 1.27                    | ±11.0%                   |
| 835                  | 41.5                               | 0.90                            | 8.90    | 9.47    | 9.31    | 0.34               | 1.27                    | ±11.0%                   |
| 900                  | 41.5                               | 0.97                            | 8.75    | 9.31    | 9.15    | 0.34               | 1.27                    | ±11.0%                   |
| 1750                 | 40.1                               | 1.37                            | 7.73    | 8.22    | 8.09    | 0.35               | 1.27                    | ±11.0%                   |
| 1900                 | 40.0                               | 1.40                            | 7.49    | 7.97    | 7.84    | 0.35               | 1.27                    | ±11.0%                   |
| 2000                 | 40.0                               | 1.40                            | 7.35    | 7.82    | 7.69    | 0.35               | 1.27                    | ±11.0%                   |
| 2300                 | 39.5                               | 1.67                            | 7.20    | 7.66    | 7.53    | 0.35               | 1.27                    | ±11.0%                   |
| 2450                 | 39.2                               | 1.80                            | 7.10    | 7.56    | 7.43    | 0.35               | 1.27                    | ±11.0%                   |
| 2600                 | 39.0                               | 1.96                            | 7.00    | 7.45    | 7.32    | 0.35               | 1.27                    | ±11.0%                   |
| 3300                 | 38.2                               | 2.71                            | 6.61    | 7.03    | 6.91    | 0.36               | 1.27                    | ±13.1%                   |
| 3500                 | 37.9                               | 2.91                            | 6.52    | 6.94    | 6.82    | 0.36               | 1.27                    | ±13.1%                   |
| 3700                 | 37.7                               | 3.12                            | 6.47    | 6.89    | 6.77    | 0.36               | 1.27                    | ±13.1%                   |
| 3900                 | 37.5                               | 3.32                            | 6.37    | 6.77    | 6.66    | 0.36               | 1.27                    | ±13.1%                   |
| 4100                 | 37.2                               | 3.53                            | 6.27    | 6.67    | 6.56    | 0.36               | 1.27                    | ±13.1%                   |
| 5250                 | 35.9                               | 4.71                            | 5.37    | 5.71    | 5.61    | 0.32               | 1.27                    | ±13.1%                   |
| 5600                 | 35.5                               | 5.07                            | 4.77    | 5.08    | 4.99    | 0.29               | 1.27                    | ±13.1%                   |
| 5800                 | 35.3                               | 5.27                            | 4.83    | 5.14    | 5.06    | 0.27               | 1.27                    | ±13.1%                   |

<sup>C</sup> Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the boundary.

<sup>H</sup> The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

EX3DV4 - SN:7695

August 14, 2026

**Parameters of Probe: EX3DV4 - SN:7695****Calibration Parameter Determined in HSL**

| <b>f (MHz)<sup>C</sup></b> | <b>Relative Permittivity<sup>F</sup></b> | <b>Conductivity<sup>F</sup> (S/m)</b> | <b>ConvF X</b> | <b>ConvF Y</b> | <b>ConvF Z</b> | <b>Alpha<sup>G</sup></b> | <b>Depth<sup>G</sup> (mm)</b> | <b>Unc<sup>H</sup> (k = 2)</b> |
|----------------------------|------------------------------------------|---------------------------------------|----------------|----------------|----------------|--------------------------|-------------------------------|--------------------------------|
| 6500                       | 34.5                                     | 6.07                                  | 5.26           | 5.60           | 5.51           | 0.20                     | 1.27                          | ±18.6%                         |

<sup>C</sup> Frequency validity is -600/+700 MHz at 6.5 GHz, ±700 MHz at or above 7 GHz, and ±150 MHz at 9.85 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

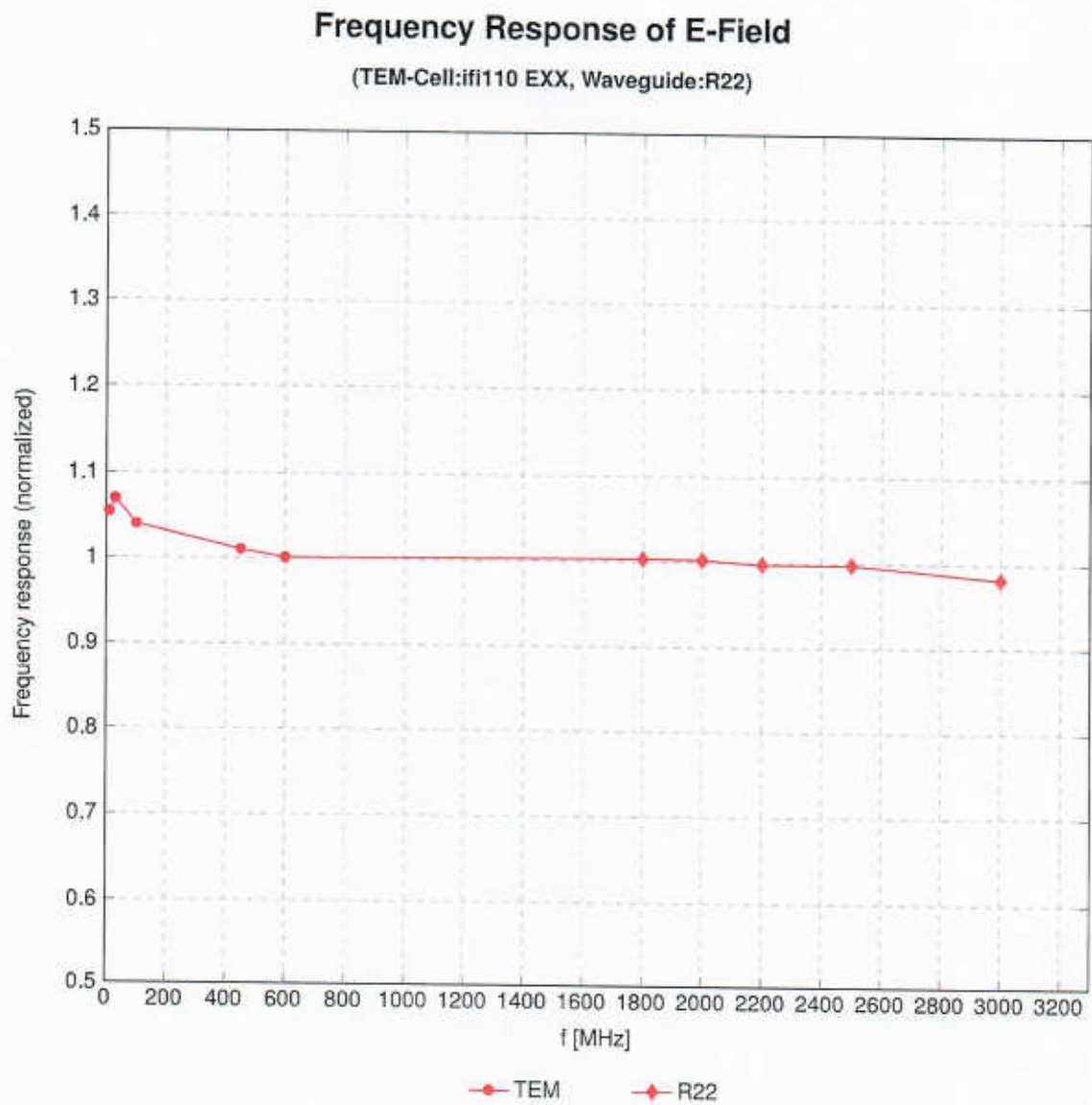
<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

<sup>H</sup> The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

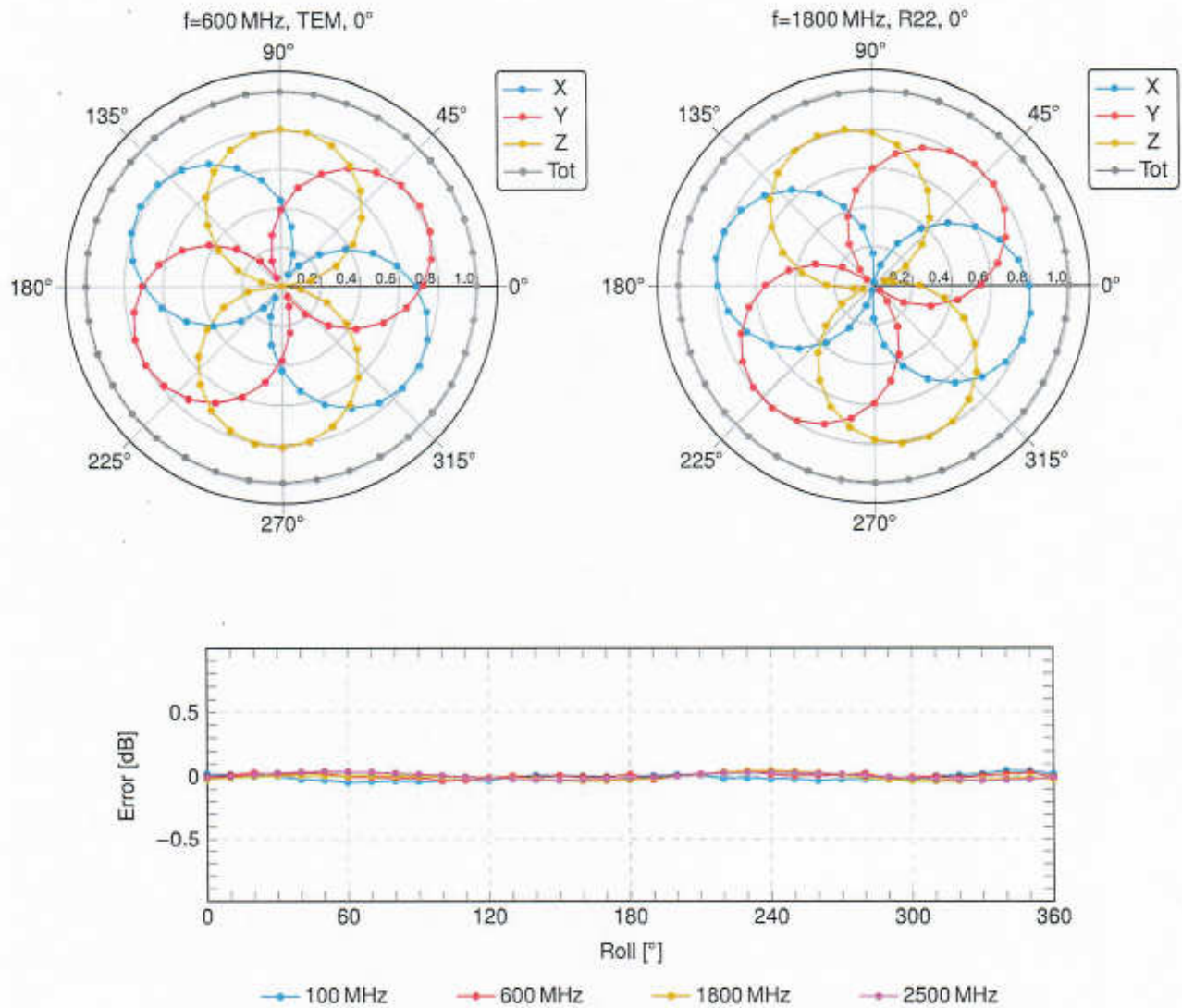
EX3DV4 - SN:7695

August 14, 2026

Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

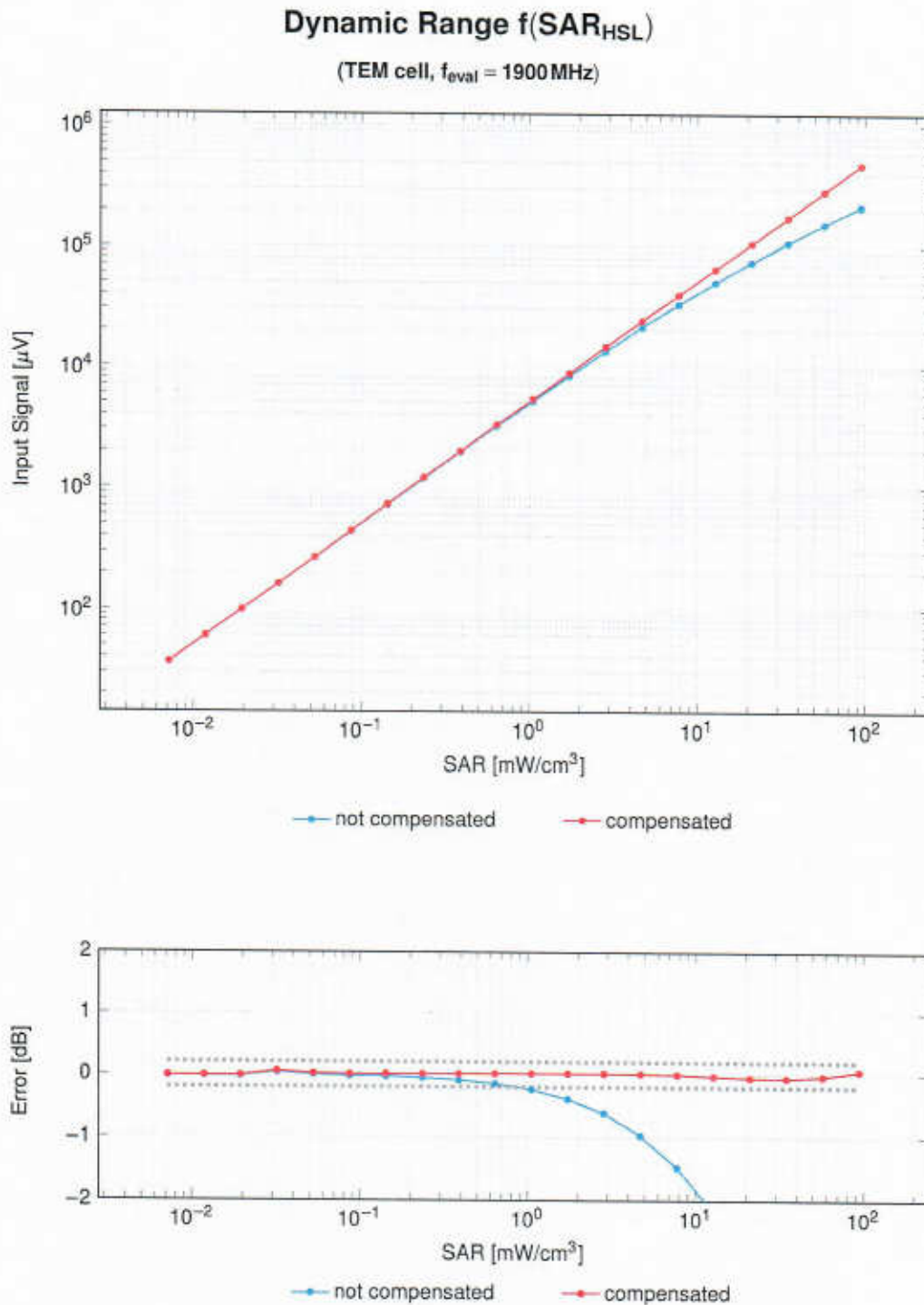
EX3DV4 - SN:7695

August 14, 2026

Receiving Pattern ( $\phi$ ),  $\theta = 0^\circ$ Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

EX3DV4 - SN:7695

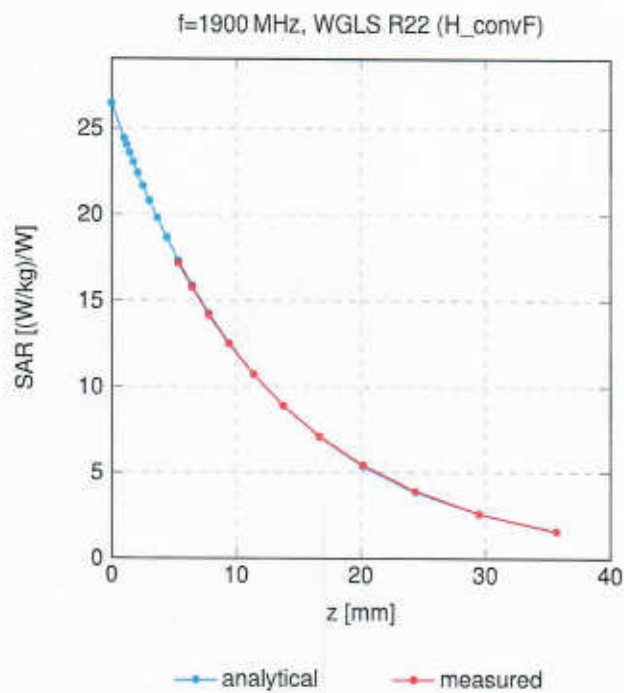
August 14, 2026



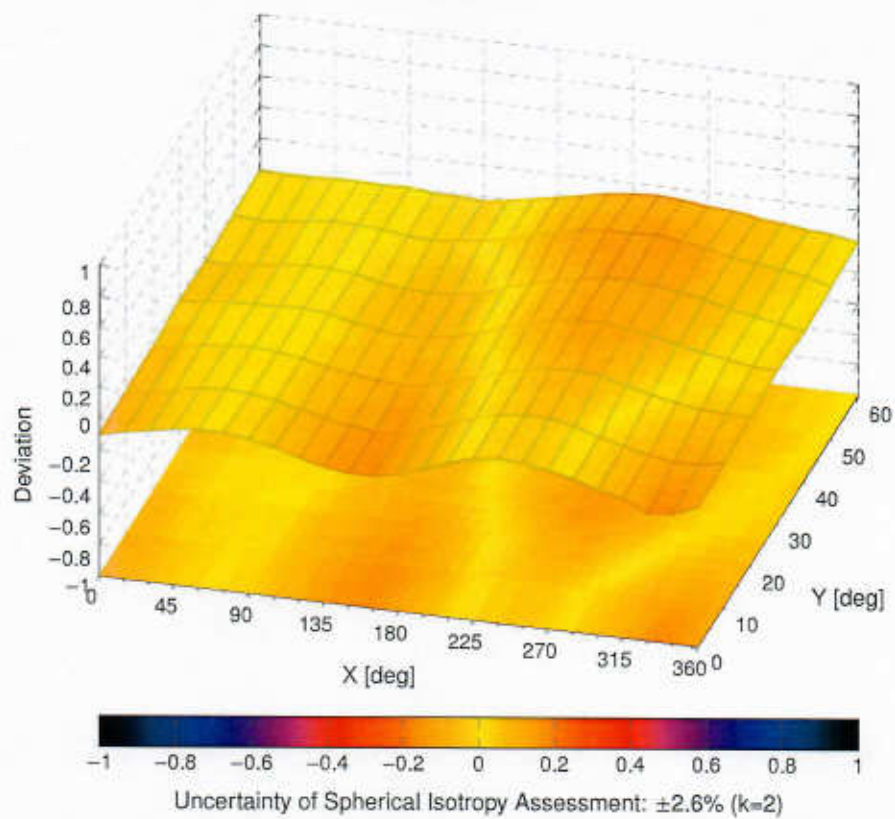
EX3DV4 - SN:7695

August 14, 2026

### Conversion Factor Assessment



### Deviation from Isotropy in Liquid

Error ( $\phi, \theta$ ), f = 900 MHz

EX3DV4 - SN:7695

August 14, 2026

## Appendix: Modulation Calibration Parameters

| UID   | Rev | Communication System Name <sup>D</sup>         | Group     | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|------------------------------------------------|-----------|----------|------------------------|
| 0     |     | Continuous Wave                                | CW        | 0.00     | ±4.7                   |
| 10010 | CAB | Pulse (D=10%, T=100 ms)                        | Test      | 10.00    | ±9.6                   |
| 10011 | CAC | Rel. 99, RMC, QPSK, 5.0 MHz                    | WCDMA     | 2.91     | ±9.6                   |
| 10012 | CAB | DSSS, DBPSK, 1.0 Mbps, 92.5% DC                | WLAN      | 1.87     | ±9.6                   |
| 10013 | CAB | OFDM, BPSK, 6.0 Mbps, 72.1% DC                 | WLAN      | 9.46     | ±9.6                   |
| 10021 | DAC | Voice, GMSK, 1 slot(s)                         | GSM       | 9.39     | ±9.6                   |
| 10023 | DAC | Data, GMSK, 1 slot(s)                          | GSM       | 9.57     | ±9.6                   |
| 10024 | DAC | Data, GMSK, 2 slot(s)                          | GSM       | 6.56     | ±9.6                   |
| 10025 | DAC | Data, 8PSK, 1 slot(s)                          | GSM       | 12.62    | ±9.6                   |
| 10026 | DAC | Data, 8PSK, 2 slot(s)                          | GSM       | 9.55     | ±9.6                   |
| 10027 | DAC | Data, GMSK, 3 slot(s)                          | GSM       | 4.80     | ±9.6                   |
| 10028 | DAC | Data, GMSK, 4 slot(s)                          | GSM       | 3.55     | ±9.6                   |
| 10029 | DAC | Data, 8PSK, 3 slot(s)                          | GSM       | 7.78     | ±9.6                   |
| 10030 | CAA | BR, DH1, GFSK                                  | Bluetooth | 5.30     | ±9.6                   |
| 10031 | CAA | BR, DH3, GFSK                                  | Bluetooth | 1.87     | ±9.6                   |
| 10032 | CAA | BR, DH5, GFSK                                  | Bluetooth | 1.16     | ±9.6                   |
| 10033 | CAA | EDR, DH1, pi/4-DQPSK                           | Bluetooth | 7.74     | ±9.6                   |
| 10034 | CAA | EDR, DH3, pi/4-DQPSK                           | Bluetooth | 4.53     | ±9.6                   |
| 10035 | CAA | EDR, DH5, pi/4-DQPSK                           | Bluetooth | 3.83     | ±9.6                   |
| 10036 | CAA | EDR, DH1, 8-DPSK                               | Bluetooth | 8.01     | ±9.6                   |
| 10037 | CAA | EDR, DH3, 8-DPSK                               | Bluetooth | 4.77     | ±9.6                   |
| 10038 | CAA | EDR, DH5, 8-DPSK                               | Bluetooth | 4.10     | ±9.6                   |
| 10039 | CAB | RC1, 1xRTT                                     | CDMA2000  | 4.57     | ±9.6                   |
| 10048 | CAA | Full Slot, GFSK, 1 slot(s)                     | DECT      | 13.80    | ±9.6                   |
| 10049 | CAA | Double Slot, GFSK, 2 slot(s)                   | DECT      | 10.79    | ±9.6                   |
| 10056 | CAA | TD-SCDMA, QPSK, 1.6 MHz                        | TD-SCDMA  | 11.01    | ±9.6                   |
| 10058 | DAC | Data, 8PSK, 4 slot(s)                          | GSM       | 6.52     | ±9.6                   |
| 10059 | CAB | DSSS, DQPSK, 2.0 Mbps, 87.4% DC                | WLAN      | 2.12     | ±9.6                   |
| 10060 | CAB | HR-DSSS, DQPSK, 5.5 Mbps, 72.7% DC             | WLAN      | 2.83     | ±9.6                   |
| 10061 | CAB | HR-DSSS, DQPSK, 11.0 Mbps, 57.5% DC            | WLAN      | 3.60     | ±9.6                   |
| 10062 | CAE | OFDM, BPSK, 6.0 Mbps, 89.1% DC                 | WLAN      | 8.68     | ±9.6                   |
| 10063 | CAE | OFDM, BPSK, 9.0 Mbps, 85.3% DC                 | WLAN      | 8.63     | ±9.6                   |
| 10064 | CAE | OFDM, QPSK, 12.0 Mbps, 82.0% DC                | WLAN      | 9.09     | ±9.6                   |
| 10065 | CAE | OFDM, QPSK, 18.0 Mbps, 76.0% DC                | WLAN      | 9.00     | ±9.6                   |
| 10066 | CAE | OFDM, 16QAM, 24.0 Mbps, 70.6% DC               | WLAN      | 9.38     | ±9.6                   |
| 10067 | CAE | OFDM, 16QAM, 36.0 Mbps, 62.9% DC               | WLAN      | 10.12    | ±9.6                   |
| 10068 | CAE | OFDM, 64QAM, 48.0 Mbps, 56.6% DC               | WLAN      | 10.24    | ±9.6                   |
| 10069 | CAE | OFDM, 64QAM, 54.0 Mbps, 54.4% DC               | WLAN      | 10.56    | ±9.6                   |
| 10071 | CAB | OFDM, BPSK, 9.0 Mbps, 85.1% DC                 | WLAN      | 9.83     | ±9.6                   |
| 10072 | CAB | OFDM, QPSK, 12.0 Mbps, 80.1% DC                | WLAN      | 9.62     | ±9.6                   |
| 10073 | CAB | OFDM, QPSK, 18.0 Mbps, 53.1% DC                | WLAN      | 9.94     | ±9.6                   |
| 10074 | CAB | OFDM, 16QAM, 24.0 Mbps, 48.5% DC               | WLAN      | 10.30    | ±9.6                   |
| 10075 | CAB | OFDM, 16QAM, 36.0 Mbps, 42.9% DC               | WLAN      | 10.77    | ±9.6                   |
| 10076 | CAB | OFDM, 64QAM, 48.0 Mbps, 39.5% DC               | WLAN      | 10.94    | ±9.6                   |
| 10077 | CAB | OFDM, 64QAM, 54.0 Mbps, 38.5% DC               | WLAN      | 11.00    | ±9.6                   |
| 10081 | CAB | RC3, 1xRTT                                     | CDMA2000  | 3.97     | ±9.6                   |
| 10097 | CAC | Rel. 5 HSDPA, QPSK, 5.0 MHz                    | WCDMA     | 3.98     | ±9.6                   |
| 10098 | CAC | Rel. 6 HSUPA, Subset 2, QPSK, 5.0 MHz          | WCDMA     | 3.98     | ±9.6                   |
| 10100 | CAF | 20.0 MHz, QPSK, 100% RB                        | LTE-FDD   | 5.67     | ±9.6                   |
| 10101 | CAF | 20.0 MHz, 16QAM, 100% RB                       | LTE-FDD   | 6.42     | ±9.6                   |
| 10102 | CAF | 20.0 MHz, 64QAM, 100% RB                       | LTE-FDD   | 6.60     | ±9.6                   |
| 10103 | CAH | 20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB  | LTE-TDD   | 9.29     | ±9.6                   |
| 10104 | CAH | 20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB | LTE-TDD   | 9.97     | ±9.6                   |
| 10105 | CAH | 20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB | LTE-TDD   | 10.01    | ±9.6                   |
| 10108 | CAH | 10.0 MHz, QPSK, 100% RB                        | LTE-FDD   | 5.80     | ±9.6                   |
| 10109 | CAH | 10.0 MHz, 16QAM, 100% RB                       | LTE-FDD   | 6.43     | ±9.6                   |
| 10110 | CAH | 5.0 MHz, QPSK, 100% RB                         | LTE-FDD   | 5.75     | ±9.6                   |
| 10111 | CAH | 5.0 MHz, 16QAM, 100% RB                        | LTE-FDD   | 6.44     | ±9.6                   |
| 10112 | CAH | 10.0 MHz, 64QAM, 100% RB                       | LTE-FDD   | 6.59     | ±9.6                   |
| 10113 | CAH | 5.0 MHz, 64QAM, 100% RB                        | LTE-FDD   | 6.62     | ±9.6                   |
| 10114 | CAE | HT40 Greenfield, MCS0 (13.5 Mbps), 99.7% DC    | WLAN      | 8.10     | ±9.6                   |
| 10115 | CAE | HT40 Greenfield, MCS4 (81.0 Mbps), 99.7% DC    | WLAN      | 8.46     | ±9.6                   |
| 10116 | CAE | HT40 Greenfield, MCS7 (135.0 Mbps), 99.7% DC   | WLAN      | 8.15     | ±9.6                   |

EX3DV4 - SN:7695

August 14, 2026

| UID   | Rev | Communication System Name <sup>D</sup>        | Group   | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|-----------------------------------------------|---------|----------|--------------------------|
| 10117 | CAE | HT40 Mixed, MCS0 (13.5 Mbps), 99.7% DC        | WLAN    | 8.07     | $\pm 9.6$                |
| 10118 | CAE | HT40 Mixed, MCS4 (81.0 Mbps), 99.7% DC        | WLAN    | 8.59     | $\pm 9.6$                |
| 10119 | CAE | HT40 Mixed, MCS7 (135.0 Mbps), 99.7% DC       | WLAN    | 8.13     | $\pm 9.6$                |
| 10140 | CAF | 15.0 MHz, 16QAM, 100% RB                      | LTE-FDD | 6.49     | $\pm 9.6$                |
| 10141 | CAF | 15.0 MHz, 64QAM, 100% RB                      | LTE-FDD | 6.53     | $\pm 9.6$                |
| 10142 | CAF | 3.0 MHz, QPSK, 100% RB                        | LTE-FDD | 5.73     | $\pm 9.6$                |
| 10143 | CAF | 3.0 MHz, 16QAM, 100% RB                       | LTE-FDD | 6.35     | $\pm 9.6$                |
| 10144 | CAF | 3.0 MHz, 64QAM, 100% RB                       | LTE-FDD | 6.65     | $\pm 9.6$                |
| 10145 | CAG | 1.4 MHz, QPSK, 100% RB                        | LTE-FDD | 5.76     | $\pm 9.6$                |
| 10146 | CAG | 1.4 MHz, 16QAM, 100% RB                       | LTE-FDD | 6.41     | $\pm 9.6$                |
| 10147 | CAG | 1.4 MHz, 64QAM, 100% RB                       | LTE-FDD | 6.72     | $\pm 9.6$                |
| 10149 | CAF | 20.0 MHz, 16QAM, 50% RB                       | LTE-FDD | 6.42     | $\pm 9.6$                |
| 10150 | CAF | 20.0 MHz, 64QAM, 50% RB                       | LTE-FDD | 6.60     | $\pm 9.6$                |
| 10151 | CAH | 20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB  | LTE-TDD | 9.28     | $\pm 9.6$                |
| 10152 | CAH | 20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB | LTE-TDD | 9.92     | $\pm 9.6$                |
| 10153 | CAH | 20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB | LTE-TDD | 10.05    | $\pm 9.6$                |
| 10154 | CAH | 10.0 MHz, QPSK, 50% RB                        | LTE-FDD | 5.75     | $\pm 9.6$                |
| 10155 | CAH | 10.0 MHz, 16QAM, 50% RB                       | LTE-FDD | 6.43     | $\pm 9.6$                |
| 10156 | CAH | 5.0 MHz, QPSK, 50% RB                         | LTE-FDD | 5.79     | $\pm 9.6$                |
| 10157 | CAH | 5.0 MHz, 16QAM, 50% RB                        | LTE-FDD | 6.49     | $\pm 9.6$                |
| 10158 | CAH | 10.0 MHz, 64QAM, 50% RB                       | LTE-FDD | 6.62     | $\pm 9.6$                |
| 10159 | CAH | 5.0 MHz, 64QAM, 50% RB                        | LTE-FDD | 5.56     | $\pm 9.6$                |
| 10160 | CAF | 15.0 MHz, QPSK, 50% RB                        | LTE-FDD | 5.82     | $\pm 9.6$                |
| 10161 | CAF | 15.0 MHz, 16QAM, 50% RB                       | LTE-FDD | 6.43     | $\pm 9.6$                |
| 10162 | CAF | 15.0 MHz, 64QAM, 50% RB                       | LTE-FDD | 6.58     | $\pm 9.6$                |
| 10166 | CAG | 1.4 MHz, QPSK, 50% RB                         | LTE-FDD | 5.46     | $\pm 9.6$                |
| 10167 | CAG | 1.4 MHz, 16QAM, 50% RB                        | LTE-FDD | 6.21     | $\pm 9.6$                |
| 10168 | CAG | 1.4 MHz, 64QAM, 50% RB                        | LTE-FDD | 6.79     | $\pm 9.6$                |
| 10169 | CAF | 20.0 MHz, QPSK, 1 RB                          | LTE-FDD | 5.73     | $\pm 9.6$                |
| 10170 | CAF | 20.0 MHz, 16QAM, 1 RB                         | LTE-FDD | 6.52     | $\pm 9.6$                |
| 10171 | AAF | 20.0 MHz, 64QAM, 1 RB                         | LTE-FDD | 6.49     | $\pm 9.6$                |
| 10172 | CAH | 20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 9.21     | $\pm 9.6$                |
| 10173 | CAH | 20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB   | LTE-TDD | 9.48     | $\pm 9.6$                |
| 10174 | CAH | 20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB   | LTE-TDD | 10.25    | $\pm 9.6$                |
| 10175 | CAH | 10.0 MHz, QPSK, 1 RB                          | LTE-FDD | 5.72     | $\pm 9.6$                |
| 10176 | CAH | 10.0 MHz, 16QAM, 1 RB                         | LTE-FDD | 6.52     | $\pm 9.6$                |
| 10177 | CAJ | 5.0 MHz, QPSK, 1 RB                           | LTE-FDD | 5.73     | $\pm 9.6$                |
| 10178 | CAH | 5.0 MHz, 16QAM, 1 RB                          | LTE-FDD | 6.52     | $\pm 9.6$                |
| 10179 | CAH | 10.0 MHz, 64QAM, 1 RB                         | LTE-FDD | 6.50     | $\pm 9.6$                |
| 10180 | CAH | 5.0 MHz, 64QAM, 1 RB                          | LTE-FDD | 6.50     | $\pm 9.6$                |
| 10181 | CAF | 15.0 MHz, QPSK, 1 RB                          | LTE-FDD | 5.72     | $\pm 9.6$                |
| 10182 | CAF | 15.0 MHz, 16QAM, 1 RB                         | LTE-FDD | 6.52     | $\pm 9.6$                |
| 10183 | AAE | 15.0 MHz, 64QAM, 1 RB                         | LTE-FDD | 6.50     | $\pm 9.6$                |
| 10184 | CAF | 3.0 MHz, QPSK, 1 RB                           | LTE-FDD | 5.73     | $\pm 9.6$                |
| 10185 | CAF | 3.0 MHz, 16QAM, 1 RB                          | LTE-FDD | 6.51     | $\pm 9.6$                |
| 10186 | AAF | 3.0 MHz, 64QAM, 1 RB                          | LTE-FDD | 6.50     | $\pm 9.6$                |
| 10187 | CAG | 1.4 MHz, QPSK, 1 RB                           | LTE-FDD | 5.73     | $\pm 9.6$                |
| 10188 | CAG | 1.4 MHz, 16QAM, 1 RB                          | LTE-FDD | 6.52     | $\pm 9.6$                |
| 10189 | AAG | 1.4 MHz, 64QAM, 1 RB                          | LTE-FDD | 6.50     | $\pm 9.6$                |
| 10193 | CAE | HT20 Greenfield, MCS0 (6.5 Mbps), 99.4% DC    | WLAN    | 8.09     | $\pm 9.6$                |
| 10194 | CAE | HT20 Greenfield, MCS4 (39.0 Mbps), 99.5% DC   | WLAN    | 8.12     | $\pm 9.6$                |
| 10195 | CAE | HT20 Greenfield, MCS7 (65.0 Mbps), 99.5% DC   | WLAN    | 8.21     | $\pm 9.6$                |
| 10196 | CAE | HT20 Mixed, MCS0 (6.5 Mbps), 99.4% DC         | WLAN    | 8.10     | $\pm 9.6$                |
| 10197 | CAE | HT20 Mixed, MCS4 (39.0 Mbps), 99.5% DC        | WLAN    | 8.13     | $\pm 9.6$                |
| 10198 | CAE | HT20 Mixed, MCS7 (65.0 Mbps), 99.5% DC        | WLAN    | 8.27     | $\pm 9.6$                |
| 10219 | CAE | HT20 Mixed, MCS0 (7.2 Mbps), 99.3% DC         | WLAN    | 8.03     | $\pm 9.6$                |
| 10220 | CAE | HT20 Mixed, MCS4 (43.3 Mbps), 99.4% DC        | WLAN    | 8.13     | $\pm 9.6$                |
| 10221 | CAE | HT20 Mixed, MCS7 (72.2 Mbps), 99.4% DC        | WLAN    | 8.27     | $\pm 9.6$                |
| 10222 | CAE | HT40 Mixed, MCS0 (15.0 Mbps), 99.7% DC        | WLAN    | 8.06     | $\pm 9.6$                |
| 10223 | CAE | HT40 Mixed, MCS4 (90.0 Mbps), 99.7% DC        | WLAN    | 8.48     | $\pm 9.6$                |
| 10224 | CAE | HT40 Mixed, MCS7 (150.0 Mbps), 99.7% DC       | WLAN    | 8.08     | $\pm 9.6$                |
| 10225 | CAC | Rel. 7 HSPA+, 16QAM, 5.0 MHz                  | WCDMA   | 5.97     | $\pm 9.6$                |
| 10226 | CAC | 1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 9.49     | $\pm 9.6$                |
| 10227 | CAC | 1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 10.26    | $\pm 9.6$                |
| 10228 | CAC | 1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB     | LTE-TDD | 9.22     | $\pm 9.6$                |
| 10229 | CAE | 3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB    | LTE-TDD | 9.48     | $\pm 9.6$                |

EX3DV4 - SN:7695

August 14, 2026

| UID   | Rev | Communication System Name <sup>D</sup>           | Group    | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|--------------------------------------------------|----------|----------|------------------------|
| 10230 | CAE | 3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 10.25    | ±9.6                   |
| 10231 | CAE | 3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB        | LTE-TDD  | 9.19     | ±9.6                   |
| 10232 | CAH | 5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 9.48     | ±9.6                   |
| 10233 | CAH | 5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 10.25    | ±9.6                   |
| 10234 | CAH | 5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB        | LTE-TDD  | 9.21     | ±9.6                   |
| 10235 | CAH | 10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 9.48     | ±9.6                   |
| 10236 | CAH | 10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 10.25    | ±9.6                   |
| 10237 | CAH | 10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 9.21     | ±9.6                   |
| 10238 | CAG | 15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 9.48     | ±9.6                   |
| 10239 | CAG | 15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB      | LTE-TDD  | 10.25    | ±9.6                   |
| 10240 | CAG | 15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB       | LTE-TDD  | 9.21     | ±9.6                   |
| 10241 | CAC | 1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.82     | ±9.6                   |
| 10242 | CAC | 1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.86     | ±9.6                   |
| 10243 | CAC | 1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB      | LTE-TDD  | 9.46     | ±9.6                   |
| 10244 | CAE | 3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 10.06    | ±9.6                   |
| 10245 | CAE | 3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 10.06    | ±9.6                   |
| 10246 | CAE | 3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB      | LTE-TDD  | 9.30     | ±9.6                   |
| 10247 | CAH | 5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.91     | ±9.6                   |
| 10248 | CAH | 5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 10.09    | ±9.6                   |
| 10249 | CAH | 5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB      | LTE-TDD  | 9.29     | ±9.6                   |
| 10250 | CAH | 10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 9.81     | ±9.6                   |
| 10251 | CAH | 10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 10.17    | ±9.6                   |
| 10252 | CAH | 10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.24     | ±9.6                   |
| 10253 | CAG | 15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 9.90     | ±9.6                   |
| 10254 | CAG | 15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB    | LTE-TDD  | 10.14    | ±9.6                   |
| 10255 | CAG | 15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB     | LTE-TDD  | 9.20     | ±9.6                   |
| 10256 | CAC | 1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.96     | ±9.6                   |
| 10257 | CAC | 1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 10.08    | ±9.6                   |
| 10258 | CAC | 1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB     | LTE-TDD  | 9.34     | ±9.6                   |
| 10259 | CAE | 3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.98     | ±9.6                   |
| 10260 | CAE | 3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.97     | ±9.6                   |
| 10261 | CAE | 3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB     | LTE-TDD  | 9.24     | ±9.6                   |
| 10262 | CAH | 5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.83     | ±9.6                   |
| 10263 | CAH | 5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 10.16    | ±9.6                   |
| 10264 | CAH | 5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB     | LTE-TDD  | 9.23     | ±9.6                   |
| 10265 | CAH | 10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 9.92     | ±9.6                   |
| 10266 | CAH | 10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 10.07    | ±9.6                   |
| 10267 | CAH | 10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.30     | ±9.6                   |
| 10268 | CAG | 15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 10.06    | ±9.6                   |
| 10269 | CAG | 15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB   | LTE-TDD  | 10.13    | ±9.6                   |
| 10270 | CAG | 15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB    | LTE-TDD  | 9.58     | ±9.6                   |
| 10274 | CAC | Rel. 6 HSUPA Subset 2, beta_d 0, QPSK, 5.0 MHz   | WCDMA    | 4.87     | ±9.6                   |
| 10275 | CAC | Rel. 6 HSUPA Subset 2, beta_d 15, QPSK, 5.0 MHz  | WCDMA    | 3.96     | ±9.6                   |
| 10290 | AAB | RC1, SO55, Full frame rate, 1xRTT                | CDMA2000 | 3.91     | ±9.6                   |
| 10291 | AAB | RC3, SO55, Full frame rate, 1xRTT                | CDMA2000 | 3.46     | ±9.6                   |
| 10292 | AAB | RC3, SO32, Full frame rate, SCH0 disabled, 1xRTT | CDMA2000 | 3.39     | ±9.6                   |
| 10293 | AAB | RC3, SO3, Full frame rate, 1xRTT                 | CDMA2000 | 3.50     | ±9.6                   |
| 10295 | AAB | RC3, SO3, 1/8 frame rate, 1xRTT                  | CDMA2000 | 12.49    | ±9.6                   |
| 10297 | AAE | 20.0 MHz, QPSK, 50% RB                           | LTE-FDD  | 5.81     | ±9.6                   |
| 10298 | AAE | 3.0 MHz, QPSK, 50% RB                            | LTE-FDD  | 5.72     | ±9.6                   |
| 10299 | AAE | 3.0 MHz, 16QAM, 50% RB                           | LTE-FDD  | 6.39     | ±9.6                   |
| 10300 | AAE | 3.0 MHz, 64QAM, 50% RB                           | LTE-FDD  | 6.60     | ±9.6                   |
| 10301 | AAA | PUSC, 29:18, QPSK, 5.0 ms, 18 TRAF SYM           | WiMAX    | 12.03    | ±9.6                   |
| 10302 | AAA | PUSC, 29:18, QPSK, 5.0 ms, 15 TRAF SYM           | WiMAX    | 12.57    | ±9.6                   |
| 10303 | AAA | PUSC, 31:15, 64QAM, 5.0 ms, 15 TRAF SYM          | WiMAX    | 12.52    | ±9.6                   |
| 10304 | AAA | PUSC, 29:18, 64QAM, 5.0 ms, 18 TRAF SYM          | WiMAX    | 11.86    | ±9.6                   |
| 10305 | AAA | PUSC, 31:15, 64QAM, 10.0 ms, 15 TRAF SYM         | WiMAX    | 15.24    | ±9.6                   |
| 10306 | AAA | PUSC, 29:18, 64QAM, 10.0 ms, 18 TRAF SYM         | WiMAX    | 14.67    | ±9.6                   |
| 10307 | AAA | PUSC, 29:18, QPSK, 10.0 ms, 18 TRAF SYM          | WiMAX    | 14.49    | ±9.6                   |
| 10308 | AAA | PUSC, 29:18, 16QAM, 10.0 ms, 18 TRAF SYM         | WiMAX    | 14.46    | ±9.6                   |
| 10309 | AAA | AMC 2x3, 29:18, 16QAM, 10.0 ms, 18 TRAF SYM      | WiMAX    | 14.58    | ±9.6                   |
| 10310 | AAA | AMC 2x3, 29:18, QPSK, 10.0 ms, 18 TRAF SYM       | WiMAX    | 14.57    | ±9.6                   |
| 10311 | AAE | 15.0 MHz, QPSK, 100% RB                          | LTE-FDD  | 6.06     | ±9.6                   |
| 10315 | AAB | DSSS, DBPSK, 1.0 Mbps, 96.0% DC                  | WLAN     | 1.71     | ±9.6                   |
| 10316 | AAB | OFDM, BPSK, 6.0 Mbps, 95.9% DC                   | WLAN     | 8.36     | ±9.6                   |
| 10317 | AAE | OFDM, BPSK, 6.0 Mbps, 95.9% DC                   | WLAN     | 8.36     | ±9.6                   |

EX3DV4 - SN:7695

August 14, 2026

| UID   | Rev | Communication System Name <sup>D</sup>                      | Group    | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-------------------------------------------------------------|----------|----------|------------------------|
| 10352 | AAA | Pulse (D=10%, T=5 ms)                                       | Generic  | 10.00    | ±9.6                   |
| 10353 | AAA | Pulse (D=20%, T=5 ms)                                       | Generic  | 6.99     | ±9.6                   |
| 10354 | AAA | Pulse (D=40%, T=5 ms)                                       | Generic  | 3.98     | ±9.6                   |
| 10355 | AAA | Pulse (D=60%, T=5 ms)                                       | Generic  | 2.22     | ±9.6                   |
| 10356 | AAA | Pulse (D=80%, T=5 ms)                                       | Generic  | 0.97     | ±9.6                   |
| 10387 | AAA | Random (BW=1 MHz, MOD=QPSK)                                 | Generic  | 5.10     | ±9.6                   |
| 10388 | AAA | Random (BW=10 MHz, MOD=QPSK)                                | Generic  | 5.22     | ±9.6                   |
| 10396 | AAA | Random (BW=100 kHz, MOD=64QAM)                              | Generic  | 6.27     | ±9.6                   |
| 10399 | AAA | Random (BW=40 MHz, MOD=64QAM)                               | Generic  | 6.27     | ±9.6                   |
| 10400 | AAF | VHT20, MCS5 (52.0 Mbps), 99.0% DC                           | WLAN     | 8.37     | ±9.6                   |
| 10401 | AAF | VHT40, MCS5 (108.0 Mbps), 99.7% DC                          | WLAN     | 8.60     | ±9.6                   |
| 10402 | AAF | VHT80, MCS5 (234.0 Mbps), 99.0% DC                          | WLAN     | 8.53     | ±9.6                   |
| 10403 | AAB | Rev. 0, 1xEV-DO                                             | CDMA2000 | 3.76     | ±9.6                   |
| 10404 | AAB | Rev. A, 1xEV-DO                                             | CDMA2000 | 3.77     | ±9.6                   |
| 10406 | AAB | RC3, SO32, Full frame rate, SCH0 enabled, 1xRTT             | CDMA2000 | 5.22     | ±9.6                   |
| 10410 | AAH | 10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 4, 1 RB                  | LTE-TDD  | 7.82     | ±9.6                   |
| 10414 | AAA | Random (BW=40 MHz, HIGH PAR)                                | Generic  | 8.54     | ±9.6                   |
| 10415 | AAA | DSSS, DBPSK, 1.0 Mbps, 99.9% DC                             | WLAN     | 1.54     | ±9.6                   |
| 10416 | AAA | OFDM, BPSK, 6.0 Mbps, 99.9% DC                              | WLAN     | 8.23     | ±9.6                   |
| 10417 | AAD | OFDM, BPSK, 6.0 Mbps, 99.9% DC                              | WLAN     | 8.23     | ±9.6                   |
| 10418 | AAA | OFDM (LTF), BPSK, 6.0 Mbps, 99.8% DC                        | WLAN     | 8.14     | ±9.6                   |
| 10419 | AAA | OFDM (STF), BPSK, 6.0 Mbps, 99.8% DC                        | WLAN     | 8.19     | ±9.6                   |
| 10422 | AAD | HT20 Greenfield, MCS0 (7.2 Mbps), 99.3% DC                  | WLAN     | 8.32     | ±9.6                   |
| 10423 | AAD | HT20 Greenfield, MCS4 (43.3 Mbps), 99.3% DC                 | WLAN     | 8.47     | ±9.6                   |
| 10424 | AAD | HT20 Greenfield, MCS7 (72.2 Mbps), 99.3% DC                 | WLAN     | 8.40     | ±9.6                   |
| 10425 | AAD | HT40 Greenfield, MCS0 (15.0 Mbps), 99.2% DC                 | WLAN     | 8.41     | ±9.6                   |
| 10426 | AAD | HT40 Greenfield, MCS4 (90.0 Mbps), 99.2% DC                 | WLAN     | 8.45     | ±9.6                   |
| 10427 | AAD | HT40 Greenfield, MCS7 (150.0 Mbps), 99.2% DC                | WLAN     | 8.41     | ±9.6                   |
| 10430 | AAE | 5.0 MHz, 64-QAM, 100% RB                                    | LTE-FDD  | 8.28     | ±9.6                   |
| 10431 | AAE | 10.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 8.38     | ±9.6                   |
| 10432 | AAD | 15.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 8.34     | ±9.6                   |
| 10433 | AAD | 20.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 8.34     | ±9.6                   |
| 10434 | AAB | BS Test Model 1, 64 DPCH, 64QAM, 5.0 MHz (DL)               | WCDMA    | 8.60     | ±9.6                   |
| 10435 | AAG | 20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 7.82     | ±9.6                   |
| 10447 | AAE | 5.0 MHz, 64-QAM, 100% RB                                    | LTE-FDD  | 7.56     | ±9.6                   |
| 10448 | AAE | 10.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 7.53     | ±9.6                   |
| 10449 | AAD | 15.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 7.51     | ±9.6                   |
| 10450 | AAD | 20.0 MHz, 64-QAM, 100% RB                                   | LTE-FDD  | 7.48     | ±9.6                   |
| 10451 | AAB | BS Test Model 1, 64 DPCH, Clipping 44%, 64QAM, 5.0 MHz (DL) | WCDMA    | 7.59     | ±9.6                   |
| 10456 | AAD | VHT160, MCS5 (58.5 Mbps), 99.0% DC                          | WLAN     | 8.63     | ±9.6                   |
| 10457 | AAB | Rel. 5 DC-HSDPA, QPSK, 10.0 MHz                             | WCDMA    | 6.62     | ±9.6                   |
| 10458 | AAA | Rev. B, 2 carriers, 1xEV-DO                                 | CDMA2000 | 6.55     | ±9.6                   |
| 10459 | AAA | Rev. B, 3 carriers, 1xEV-DO                                 | CDMA2000 | 8.25     | ±9.6                   |
| 10460 | AAB | Rel. 99, AMR, QPSK, 5.0 MHz                                 | WCDMA    | 2.39     | ±9.6                   |
| 10461 | AAC | 1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                   | LTE-TDD  | 7.82     | ±9.6                   |
| 10462 | AAC | 1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 8.30     | ±9.6                   |
| 10463 | AAC | 1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 8.58     | ±9.6                   |
| 10464 | AAD | 3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                   | LTE-TDD  | 7.82     | ±9.6                   |
| 10465 | AAD | 3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 8.32     | ±9.6                   |
| 10466 | AAD | 3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 8.57     | ±9.6                   |
| 10467 | AAG | 5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                   | LTE-TDD  | 7.82     | ±9.6                   |
| 10468 | AAG | 5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 8.32     | ±9.6                   |
| 10469 | AAG | 5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 8.56     | ±9.6                   |
| 10470 | AAG | 10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 7.82     | ±9.6                   |
| 10471 | AAG | 10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.32     | ±9.6                   |
| 10472 | AAG | 10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.57     | ±9.6                   |
| 10473 | AAF | 15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB                  | LTE-TDD  | 7.82     | ±9.6                   |
| 10474 | AAF | 15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.32     | ±9.6                   |
| 10475 | AAF | 15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.57     | ±9.6                   |
| 10477 | AAG | 20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.32     | ±9.6                   |
| 10478 | AAG | 20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB                 | LTE-TDD  | 8.57     | ±9.6                   |
| 10479 | AAC | 1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB                 | LTE-TDD  | 7.74     | ±9.6                   |
| 10480 | AAC | 1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB                | LTE-TDD  | 8.18     | ±9.6                   |
| 10481 | AAC | 1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB                | LTE-TDD  | 8.45     | ±9.6                   |
| 10482 | AAD | 3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB                 | LTE-TDD  | 7.71     | ±9.6                   |
| 10483 | AAD | 3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB                | LTE-TDD  | 8.39     | ±9.6                   |

EX3DV4 - SN:7695

August 14, 2026

| UID   | Rev | Communication System Name <sup>D</sup>         | Group   | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|------------------------------------------------|---------|----------|------------------------|
| 10484 | AAD | 3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 8.47     | ±9.6                   |
| 10485 | AAG | 5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB    | LTE-TDD | 7.59     | ±9.6                   |
| 10486 | AAG | 5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 8.38     | ±9.6                   |
| 10487 | AAG | 5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 8.60     | ±9.6                   |
| 10488 | AAG | 10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 7.70     | ±9.6                   |
| 10489 | AAG | 10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.31     | ±9.6                   |
| 10490 | AAG | 10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.54     | ±9.6                   |
| 10491 | AAF | 15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 7.74     | ±9.6                   |
| 10492 | AAF | 15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.41     | ±9.6                   |
| 10493 | AAF | 15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.55     | ±9.6                   |
| 10494 | AAG | 20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB   | LTE-TDD | 7.74     | ±9.6                   |
| 10495 | AAG | 20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.37     | ±9.6                   |
| 10496 | AAG | 20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB  | LTE-TDD | 8.54     | ±9.6                   |
| 10497 | AAC | 1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB   | LTE-TDD | 7.67     | ±9.6                   |
| 10498 | AAC | 1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.40     | ±9.6                   |
| 10499 | AAC | 1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.68     | ±9.6                   |
| 10500 | AAD | 3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB   | LTE-TDD | 7.67     | ±9.6                   |
| 10501 | AAD | 3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.44     | ±9.6                   |
| 10502 | AAD | 3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.52     | ±9.6                   |
| 10503 | AAG | 5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB   | LTE-TDD | 7.72     | ±9.6                   |
| 10504 | AAG | 5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.31     | ±9.6                   |
| 10505 | AAG | 5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 8.54     | ±9.6                   |
| 10506 | AAG | 10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 7.74     | ±9.6                   |
| 10507 | AAG | 10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.36     | ±9.6                   |
| 10508 | AAG | 10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.55     | ±9.6                   |
| 10509 | AAF | 15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 7.99     | ±9.6                   |
| 10510 | AAF | 15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.49     | ±9.6                   |
| 10511 | AAF | 15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.51     | ±9.6                   |
| 10512 | AAG | 20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB  | LTE-TDD | 7.74     | ±9.6                   |
| 10513 | AAG | 20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.42     | ±9.6                   |
| 10514 | AAG | 20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB | LTE-TDD | 8.45     | ±9.6                   |
| 10515 | AAA | DSSS, DQPSK, 2.0 Mbps, 99.0% DC                | WLAN    | 1.58     | ±9.6                   |
| 10516 | AAA | HR-DSSS, DQPSK, 5.5 Mbps, 99.2% DC             | WLAN    | 1.57     | ±9.6                   |
| 10517 | AAA | HR-DSSS, DQPSK, 11.0 Mbps, 99.0% DC            | WLAN    | 1.58     | ±9.6                   |
| 10518 | AAD | OFDM, BPSK, 9.0 Mbps, 98.9% DC                 | WLAN    | 8.23     | ±9.6                   |
| 10519 | AAD | OFDM, QPSK, 12.0 Mbps, 99.0% DC                | WLAN    | 8.39     | ±9.6                   |
| 10520 | AAD | OFDM, QPSK, 18.0 Mbps, 99.0% DC                | WLAN    | 8.12     | ±9.6                   |
| 10521 | AAD | OFDM, 16QAM, 24.0 Mbps, 99.0% DC               | WLAN    | 7.97     | ±9.6                   |
| 10522 | AAD | OFDM, 16QAM, 36.0 Mbps, 99.0% DC               | WLAN    | 8.45     | ±9.6                   |
| 10523 | AAD | OFDM, 64QAM, 48.0 Mbps, 99.0% DC               | WLAN    | 8.08     | ±9.6                   |
| 10524 | AAD | OFDM, 64QAM, 54.0 Mbps, 99.0% DC               | WLAN    | 8.27     | ±9.6                   |
| 10525 | AAD | VHT20, MCS0 (6.5 Mbps), 98.9% DC               | WLAN    | 8.36     | ±9.6                   |
| 10526 | AAD | VHT20, MCS1 (13.0 Mbps), 99.0% DC              | WLAN    | 8.42     | ±9.6                   |
| 10527 | AAD | VHT20, MCS2 (19.5 Mbps), 99.0% DC              | WLAN    | 8.21     | ±9.6                   |
| 10528 | AAD | VHT20, MCS3 (26.0 Mbps), 99.0% DC              | WLAN    | 8.36     | ±9.6                   |
| 10529 | AAD | VHT20, MCS4 (39.0 Mbps), 99.0% DC              | WLAN    | 8.36     | ±9.6                   |
| 10531 | AAD | VHT20, MCS6 (58.5 Mbps), 99.0% DC              | WLAN    | 8.43     | ±9.6                   |
| 10532 | AAD | VHT20, MCS7 (65.0 Mbps), 99.0% DC              | WLAN    | 8.29     | ±9.6                   |
| 10533 | AAD | VHT20, MCS8 (78.0 Mbps), 99.0% DC              | WLAN    | 8.38     | ±9.6                   |
| 10534 | AAD | VHT40, MCS0 (13.5 Mbps), 98.9% DC              | WLAN    | 8.45     | ±9.6                   |
| 10535 | AAD | VHT40, MCS1 (27.0 Mbps), 98.8% DC              | WLAN    | 8.45     | ±9.6                   |
| 10536 | AAD | VHT40, MCS2 (40.5 Mbps), 98.8% DC              | WLAN    | 8.32     | ±9.6                   |
| 10537 | AAD | VHT40, MCS3 (54.0 Mbps), 98.7% DC              | WLAN    | 8.44     | ±9.6                   |
| 10538 | AAD | VHT40, MCS4 (81.0 Mbps), 98.5% DC              | WLAN    | 8.54     | ±9.6                   |
| 10540 | AAD | VHT40, MCS6 (121.5 Mbps), 98.3% DC             | WLAN    | 8.39     | ±9.6                   |
| 10541 | AAD | VHT40, MCS7 (135.0 Mbps), 98.3% DC             | WLAN    | 8.46     | ±9.6                   |
| 10542 | AAD | VHT40, MCS8 (162.0 Mbps), 98.1% DC             | WLAN    | 8.65     | ±9.6                   |
| 10543 | AAD | VHT40, MCS9 (180.0 Mbps), 98.0% DC             | WLAN    | 8.65     | ±9.6                   |
| 10544 | AAD | VHT80, MCS0 (29.3 Mbps), 99.0% DC              | WLAN    | 8.47     | ±9.6                   |
| 10545 | AAD | VHT80, MCS1 (58.5 Mbps), 99.0% DC              | WLAN    | 8.55     | ±9.6                   |
| 10546 | AAD | VHT80, MCS2 (87.8 Mbps), 99.0% DC              | WLAN    | 8.35     | ±9.6                   |
| 10547 | AAD | VHT80, MCS3 (117.0 Mbps), 99.0% DC             | WLAN    | 8.49     | ±9.6                   |
| 10548 | AAD | VHT80, MCS4 (175.5 Mbps), 99.0% DC             | WLAN    | 8.37     | ±9.6                   |
| 10550 | AAD | VHT80, MCS6 (263.3 Mbps), 99.0% DC             | WLAN    | 8.38     | ±9.6                   |
| 10551 | AAD | VHT80, MCS7 (292.5 Mbps), 99.0% DC             | WLAN    | 8.50     | ±9.6                   |
| 10552 | AAD | VHT80, MCS8 (351.0 Mbps), 99.0% DC             | WLAN    | 8.42     | ±9.6                   |

EX3DV4 - SN:7695

August 14, 2026

| UID   | Rev | Communication System Name <sup>D</sup>  | Group | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-----------------------------------------|-------|----------|------------------------|
| 10553 | AAD | VHT80, MCS9 (390.0 Mbps), 99.0% DC      | WLAN  | 8.45     | ±9.6                   |
| 10554 | AAE | VHT160, MCS0 (58.5 Mbps), 99.0% DC      | WLAN  | 8.48     | ±9.6                   |
| 10555 | AAE | VHT160, MCS1 (117.0 Mbps), 99.0% DC     | WLAN  | 8.47     | ±9.6                   |
| 10556 | AAE | VHT160, MCS2 (175.5 Mbps), 99.0% DC     | WLAN  | 8.50     | ±9.6                   |
| 10557 | AAE | VHT160, MCS3 (234.0 Mbps), 99.0% DC     | WLAN  | 8.52     | ±9.6                   |
| 10558 | AAE | VHT160, MCS4 (351.0 Mbps), 99.0% DC     | WLAN  | 8.61     | ±9.6                   |
| 10560 | AAE | VHT160, MCS6 (526.5 Mbps), 99.0% DC     | WLAN  | 8.73     | ±9.6                   |
| 10561 | AAE | VHT160, MCS7 (585.0 Mbps), 99.0% DC     | WLAN  | 8.56     | ±9.6                   |
| 10562 | AAE | VHT160, MCS8 (702.0 Mbps), 99.0% DC     | WLAN  | 8.69     | ±9.6                   |
| 10563 | AAE | VHT160, MCS9 (780.0 Mbps), 99.0% DC     | WLAN  | 8.77     | ±9.6                   |
| 10564 | AAA | OFDM, BPSK, 9.0 Mbps, 98.9% DC          | WLAN  | 8.25     | ±9.6                   |
| 10565 | AAA | OFDM, QPSK, 12.0 Mbps, 99.0% DC         | WLAN  | 8.45     | ±9.6                   |
| 10566 | AAA | OFDM, QPSK, 18.0 Mbps, 99.0% DC         | WLAN  | 8.13     | ±9.6                   |
| 10567 | AAA | OFDM, 16QAM, 24.0 Mbps, 99.0% DC        | WLAN  | 8.00     | ±9.6                   |
| 10568 | AAA | OFDM, 16QAM, 36.0 Mbps, 99.0% DC        | WLAN  | 8.37     | ±9.6                   |
| 10569 | AAA | OFDM, 64QAM, 48.0 Mbps, 99.0% DC        | WLAN  | 8.10     | ±9.6                   |
| 10570 | AAA | OFDM, 64QAM, 54.0 Mbps, 99.0% DC        | WLAN  | 8.30     | ±9.6                   |
| 10571 | AAA | DSSS, DQPSK, 1.0 Mbps, 90.0% DC         | WLAN  | 1.99     | ±9.6                   |
| 10572 | AAA | DSSS, DQPSK, 2.0 Mbps, 90.0% DC         | WLAN  | 1.99     | ±9.6                   |
| 10573 | AAA | HR-DSSS, DQPSK, 5.5 Mbps, 90.1% DC      | WLAN  | 1.98     | ±9.6                   |
| 10574 | AAA | HR-DSSS, DQPSK, 11.0 Mbps, 90.3% DC     | WLAN  | 1.98     | ±9.6                   |
| 10575 | AAA | OFDM, BPSK, 6.0 Mbps, 89.9% DC          | WLAN  | 8.59     | ±9.6                   |
| 10576 | AAA | OFDM, BPSK, 9.0 Mbps, 89.9% DC          | WLAN  | 8.60     | ±9.6                   |
| 10577 | AAA | OFDM, QPSK, 12.0 Mbps, 90.0% DC         | WLAN  | 8.70     | ±9.6                   |
| 10578 | AAA | OFDM, QPSK, 18.0 Mbps, 90.0% DC         | WLAN  | 8.48     | ±9.6                   |
| 10579 | AAA | OFDM, 16QAM, 24.0 Mbps, 90.0% DC        | WLAN  | 8.36     | ±9.6                   |
| 10580 | AAA | OFDM, 16QAM, 36.0 Mbps, 90.0% DC        | WLAN  | 8.76     | ±9.6                   |
| 10581 | AAA | OFDM, 64QAM, 48.0 Mbps, 90.0% DC        | WLAN  | 8.35     | ±9.6                   |
| 10582 | AAA | OFDM, 64QAM, 54.0 Mbps, 90.0% DC        | WLAN  | 8.67     | ±9.6                   |
| 10583 | AAD | OFDM, BPSK, 6.0 Mbps, 89.9% DC          | WLAN  | 8.59     | ±9.6                   |
| 10584 | AAD | OFDM, BPSK, 9.0 Mbps, 89.9% DC          | WLAN  | 8.60     | ±9.6                   |
| 10585 | AAD | OFDM, QPSK, 12.0 Mbps, 90.0% DC         | WLAN  | 8.70     | ±9.6                   |
| 10586 | AAD | OFDM, QPSK, 18.0 Mbps, 90.0% DC         | WLAN  | 8.49     | ±9.6                   |
| 10587 | AAD | OFDM, 16QAM, 24.0 Mbps, 90.0% DC        | WLAN  | 8.36     | ±9.6                   |
| 10588 | AAD | OFDM, 16QAM, 36.0 Mbps, 90.0% DC        | WLAN  | 8.76     | ±9.6                   |
| 10589 | AAD | OFDM, 64QAM, 48.0 Mbps, 90.0% DC        | WLAN  | 8.35     | ±9.6                   |
| 10590 | AAD | OFDM, 64QAM, 54.0 Mbps, 90.0% DC        | WLAN  | 8.67     | ±9.6                   |
| 10591 | AAD | HT20 Mixed, MCS0 (6.5 Mbps), 89.9% DC   | WLAN  | 8.63     | ±9.6                   |
| 10592 | AAD | HT20 Mixed, MCS1 (13.0 Mbps), 90.0% DC  | WLAN  | 8.79     | ±9.6                   |
| 10593 | AAD | HT20 Mixed, MCS2 (19.5 Mbps), 90.0% DC  | WLAN  | 8.64     | ±9.6                   |
| 10594 | AAD | HT20 Mixed, MCS3 (26.0 Mbps), 90.0% DC  | WLAN  | 8.74     | ±9.6                   |
| 10595 | AAD | HT20 Mixed, MCS4 (39.0 Mbps), 90.0% DC  | WLAN  | 8.74     | ±9.6                   |
| 10596 | AAD | HT20 Mixed, MCS5 (52.0 Mbps), 90.0% DC  | WLAN  | 8.71     | ±9.6                   |
| 10597 | AAD | HT20 Mixed, MCS6 (58.5 Mbps), 90.0% DC  | WLAN  | 8.72     | ±9.6                   |
| 10598 | AAD | HT20 Mixed, MCS7 (65.0 Mbps), 90.0% DC  | WLAN  | 8.50     | ±9.6                   |
| 10599 | AAD | HT40 Mixed, MCS0 (13.5 Mbps), 89.9% DC  | WLAN  | 8.79     | ±9.6                   |
| 10600 | AAD | HT40 Mixed, MCS1 (27.0 Mbps), 89.7% DC  | WLAN  | 8.88     | ±9.6                   |
| 10601 | AAD | HT40 Mixed, MCS2 (40.5 Mbps), 89.6% DC  | WLAN  | 8.82     | ±9.6                   |
| 10602 | AAD | HT40 Mixed, MCS3 (54.0 Mbps), 89.4% DC  | WLAN  | 8.94     | ±9.6                   |
| 10603 | AAD | HT40 Mixed, MCS4 (81.0 Mbps), 89.2% DC  | WLAN  | 9.03     | ±9.6                   |
| 10604 | AAD | HT40 Mixed, MCS5 (108.0 Mbps), 88.9% DC | WLAN  | 8.76     | ±9.6                   |
| 10605 | AAD | HT40 Mixed, MCS6 (121.5 Mbps), 88.8% DC | WLAN  | 8.97     | ±9.6                   |
| 10606 | AAD | HT40 Mixed, MCS7 (135.0 Mbps), 88.7% DC | WLAN  | 8.82     | ±9.6                   |
| 10607 | AAD | VHT20, MCS0 (6.5 Mbps), 89.9% DC        | WLAN  | 8.64     | ±9.6                   |
| 10608 | AAD | VHT20, MCS1 (13.0 Mbps), 90.0% DC       | WLAN  | 8.77     | ±9.6                   |
| 10609 | AAD | VHT20, MCS2 (19.5 Mbps), 90.0% DC       | WLAN  | 8.57     | ±9.6                   |
| 10610 | AAD | VHT20, MCS3 (26.0 Mbps), 90.0% DC       | WLAN  | 8.78     | ±9.6                   |
| 10611 | AAD | VHT20, MCS4 (39.0 Mbps), 90.0% DC       | WLAN  | 8.70     | ±9.6                   |
| 10612 | AAD | VHT20, MCS5 (52.0 Mbps), 90.0% DC       | WLAN  | 8.77     | ±9.6                   |
| 10613 | AAD | VHT20, MCS6 (58.5 Mbps), 90.0% DC       | WLAN  | 8.94     | ±9.6                   |
| 10614 | AAD | VHT20, MCS7 (65.0 Mbps), 90.0% DC       | WLAN  | 8.59     | ±9.6                   |
| 10615 | AAD | VHT20, MCS8 (78.0 Mbps), 90.0% DC       | WLAN  | 8.82     | ±9.6                   |
| 10616 | AAD | VHT40, MCS0 (13.5 Mbps), 89.9% DC       | WLAN  | 8.82     | ±9.6                   |
| 10617 | AAD | VHT40, MCS1 (27.0 Mbps), 89.7% DC       | WLAN  | 8.81     | ±9.6                   |
| 10618 | AAD | VHT40, MCS2 (40.5 Mbps), 89.6% DC       | WLAN  | 8.58     | ±9.6                   |
| 10619 | AAD | VHT40, MCS3 (54.0 Mbps), 89.4% DC       | WLAN  | 8.86     | ±9.6                   |

EX3DV4 - SN:7695

August 14, 2026

| UID   | Rev | Communication System Name <sup>D</sup>     | Group     | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|--------------------------------------------|-----------|----------|------------------------|
| 10620 | AAD | VHT40, MCS4 (81.0 Mbps), 89.2% DC          | WLAN      | 8.87     | ±9.6                   |
| 10621 | AAD | VHT40, MCS5 (108.0 Mbps), 88.9% DC         | WLAN      | 8.77     | ±9.6                   |
| 10622 | AAD | VHT40, MCS6 (121.5 Mbps), 88.8% DC         | WLAN      | 8.68     | ±9.6                   |
| 10623 | AAD | VHT40, MCS7 (135.0 Mbps), 88.6% DC         | WLAN      | 8.82     | ±9.6                   |
| 10624 | AAD | VHT40, MCS8 (162.0 Mbps), 88.4% DC         | WLAN      | 8.96     | ±9.6                   |
| 10625 | AAD | VHT40, MCS9 (180.0 Mbps), 88.2% DC         | WLAN      | 8.96     | ±9.6                   |
| 10626 | AAD | VHT80, MCS0 (29.3 Mbps), 90.0% DC          | WLAN      | 8.83     | ±9.6                   |
| 10627 | AAD | VHT80, MCS1 (58.5 Mbps), 90.0% DC          | WLAN      | 8.88     | ±9.6                   |
| 10628 | AAD | VHT80, MCS2 (87.8 Mbps), 90.0% DC          | WLAN      | 8.71     | ±9.6                   |
| 10629 | AAD | VHT80, MCS3 (117.0 Mbps), 90.0% DC         | WLAN      | 8.85     | ±9.6                   |
| 10630 | AAD | VHT80, MCS4 (175.5 Mbps), 90.0% DC         | WLAN      | 8.72     | ±9.6                   |
| 10631 | AAD | VHT80, MCS5 (234.0 Mbps), 90.0% DC         | WLAN      | 8.81     | ±9.6                   |
| 10632 | AAD | VHT80, MCS6 (263.3 Mbps), 90.0% DC         | WLAN      | 8.74     | ±9.6                   |
| 10633 | AAD | VHT80, MCS7 (292.5 Mbps), 90.0% DC         | WLAN      | 8.83     | ±9.6                   |
| 10634 | AAD | VHT80, MCS8 (351.0 Mbps), 90.0% DC         | WLAN      | 8.80     | ±9.6                   |
| 10635 | AAD | VHT80, MCS9 (390.0 Mbps), 90.0% DC         | WLAN      | 8.81     | ±9.6                   |
| 10636 | AAE | VHT160, MCS0 (58.5 Mbps), 90.0% DC         | WLAN      | 8.83     | ±9.6                   |
| 10637 | AAE | VHT160, MCS1 (117.0 Mbps), 90.0% DC        | WLAN      | 8.79     | ±9.6                   |
| 10638 | AAE | VHT160, MCS2 (175.5 Mbps), 90.0% DC        | WLAN      | 8.86     | ±9.6                   |
| 10639 | AAE | VHT160, MCS3 (234.0 Mbps), 90.0% DC        | WLAN      | 8.85     | ±9.6                   |
| 10640 | AAE | VHT160, MCS4 (351.0 Mbps), 90.0% DC        | WLAN      | 8.98     | ±9.6                   |
| 10641 | AAE | VHT160, MCS5 (468.0 Mbps), 90.0% DC        | WLAN      | 9.06     | ±9.6                   |
| 10642 | AAE | VHT160, MCS6 (526.5 Mbps), 90.0% DC        | WLAN      | 9.06     | ±9.6                   |
| 10643 | AAE | VHT160, MCS7 (585.0 Mbps), 90.0% DC        | WLAN      | 8.89     | ±9.6                   |
| 10644 | AAE | VHT160, MCS8 (702.0 Mbps), 90.0% DC        | WLAN      | 9.05     | ±9.6                   |
| 10645 | AAE | VHT160, MCS9 (780.0 Mbps), 90.0% DC        | WLAN      | 9.11     | ±9.6                   |
| 10646 | AAH | 5.0 MHz, QPSK, UL/DL CFG: 2, SSC: 4, 1 RB  | LTE-TDD   | 11.96    | ±9.6                   |
| 10647 | AAG | 20.0 MHz, QPSK, UL/DL CFG: 2, SSC: 7, 1 RB | LTE-TDD   | 11.96    | ±9.6                   |
| 10648 | AAA | RC8, SO75, 1xAdvanced                      | CDMA2000  | 3.45     | ±9.6                   |
| 10670 | AAA | LE, Test, GFSK                             | Bluetooth | 2.19     | ±9.6                   |
| 10671 | AAC | ET20, MCS0 (8.6 Mbps), 90.0% DC            | WLAN      | 9.09     | ±9.6                   |
| 10672 | AAC | ET20, MCS1 (17.0 Mbps), 90.0% DC           | WLAN      | 8.57     | ±9.6                   |
| 10673 | AAC | ET20, MCS2 (26.0 Mbps), 90.0% DC           | WLAN      | 8.78     | ±9.6                   |
| 10674 | AAC | ET20, MCS3 (34.0 Mbps), 90.0% DC           | WLAN      | 8.74     | ±9.6                   |
| 10675 | AAC | ET20, MCS4 (52.0 Mbps), 90.0% DC           | WLAN      | 8.90     | ±9.6                   |
| 10676 | AAC | ET20, MCS5 (69.0 Mbps), 90.0% DC           | WLAN      | 8.77     | ±9.6                   |
| 10677 | AAC | ET20, MCS6 (77.0 Mbps), 90.0% DC           | WLAN      | 8.73     | ±9.6                   |
| 10678 | AAC | ET20, MCS7 (86.0 Mbps), 90.0% DC           | WLAN      | 8.78     | ±9.6                   |
| 10679 | AAC | ET20, MCS8 (103.0 Mbps), 90.0% DC          | WLAN      | 8.89     | ±9.6                   |
| 10680 | AAC | ET20, MCS9 (115.0 Mbps), 90.0% DC          | WLAN      | 8.80     | ±9.6                   |
| 10681 | AAC | ET20, MCS10 (122.0 Mbps), 90.0% DC         | WLAN      | 8.62     | ±9.6                   |
| 10682 | AAC | ET20, MCS11 (135.0 Mbps), 90.0% DC         | WLAN      | 8.83     | ±9.6                   |
| 10683 | AAC | ET20, MCS0 (8.6 Mbps), 100.0% DC           | WLAN      | 8.42     | ±9.6                   |
| 10684 | AAC | ET20, MCS1 (17.0 Mbps), 100.0% DC          | WLAN      | 8.26     | ±9.6                   |
| 10685 | AAC | ET20, MCS2 (26.0 Mbps), 100.0% DC          | WLAN      | 8.33     | ±9.6                   |
| 10686 | AAC | ET20, MCS3 (34.0 Mbps), 100.0% DC          | WLAN      | 8.28     | ±9.6                   |
| 10687 | AAC | ET20, MCS4 (52.0 Mbps), 100.0% DC          | WLAN      | 8.45     | ±9.6                   |
| 10688 | AAC | ET20, MCS5 (69.0 Mbps), 100.0% DC          | WLAN      | 8.29     | ±9.6                   |
| 10689 | AAC | ET20, MCS6 (77.0 Mbps), 100.0% DC          | WLAN      | 8.55     | ±9.6                   |
| 10690 | AAC | ET20, MCS7 (86.0 Mbps), 100.0% DC          | WLAN      | 8.29     | ±9.6                   |
| 10691 | AAC | ET20, MCS8 (103.0 Mbps), 100.0% DC         | WLAN      | 8.25     | ±9.6                   |
| 10692 | AAC | ET20, MCS9 (115.0 Mbps), 100.0% DC         | WLAN      | 8.29     | ±9.6                   |
| 10693 | AAC | ET20, MCS10 (122.0 Mbps), 100.0% DC        | WLAN      | 8.25     | ±9.6                   |
| 10694 | AAC | ET20, MCS11 (135.0 Mbps), 100.0% DC        | WLAN      | 8.57     | ±9.6                   |
| 10695 | AAC | ET40, MCS0 (17.2 Mbps), 89.8% DC           | WLAN      | 8.78     | ±9.6                   |
| 10696 | AAC | ET40, MCS1 (34.0 Mbps), 89.8% DC           | WLAN      | 8.91     | ±9.6                   |
| 10697 | AAC | ET40, MCS2 (52.0 Mbps), 89.7% DC           | WLAN      | 8.61     | ±9.6                   |
| 10698 | AAC | ET40, MCS3 (69.0 Mbps), 89.7% DC           | WLAN      | 8.89     | ±9.6                   |
| 10699 | AAC | ET40, MCS4 (103.0 Mbps), 89.9% DC          | WLAN      | 8.82     | ±9.6                   |
| 10700 | AAC | ET40, MCS5 (138.0 Mbps), 89.8% DC          | WLAN      | 8.73     | ±9.6                   |
| 10701 | AAC | ET40, MCS6 (155.0 Mbps), 89.8% DC          | WLAN      | 8.86     | ±9.6                   |
| 10702 | AAC | ET40, MCS7 (172.0 Mbps), 89.8% DC          | WLAN      | 8.70     | ±9.6                   |
| 10703 | AAC | ET40, MCS8 (207.0 Mbps), 89.8% DC          | WLAN      | 8.82     | ±9.6                   |
| 10704 | AAC | ET40, MCS9 (229.0 Mbps), 89.8% DC          | WLAN      | 8.56     | ±9.6                   |
| 10705 | AAC | ET40, MCS10 (258.0 Mbps), 89.8% DC         | WLAN      | 8.69     | ±9.6                   |
| 10706 | AAC | ET40, MCS11 (267.0 Mbps), 89.8% DC         | WLAN      | 8.66     | ±9.6                   |

EX3DV4 - SN:7695

August 14, 2026

| UID   | Rev | Communication System Name <sup>D</sup>           | Group         | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|--------------------------------------------------|---------------|----------|------------------------|
| 10707 | AAC | ET40, MCS0 (17.2 Mbps), 99.8% DC                 | WLAN          | 8.32     | ±9.6                   |
| 10708 | AAC | ET40, MCS1 (34.0 Mbps), 99.7% DC                 | WLAN          | 8.55     | ±9.6                   |
| 10709 | AAC | ET40, MCS2 (52.0 Mbps), 99.7% DC                 | WLAN          | 8.33     | ±9.6                   |
| 10710 | AAC | ET40, MCS3 (69.0 Mbps), 99.7% DC                 | WLAN          | 8.29     | ±9.6                   |
| 10711 | AAC | ET40, MCS4 (103.0 Mbps), 99.8% DC                | WLAN          | 8.39     | ±9.6                   |
| 10712 | AAC | ET40, MCS5 (138.0 Mbps), 99.8% DC                | WLAN          | 8.67     | ±9.6                   |
| 10713 | AAC | ET40, MCS6 (155.0 Mbps), 99.8% DC                | WLAN          | 8.33     | ±9.6                   |
| 10714 | AAC | ET40, MCS7 (172.0 Mbps), 99.8% DC                | WLAN          | 8.26     | ±9.6                   |
| 10715 | AAC | ET40, MCS8 (207.0 Mbps), 99.8% DC                | WLAN          | 8.45     | ±9.6                   |
| 10716 | AAC | ET40, MCS9 (229.0 Mbps), 99.8% DC                | WLAN          | 8.30     | ±9.6                   |
| 10717 | AAC | ET40, MCS10 (258.0 Mbps), 99.8% DC               | WLAN          | 8.48     | ±9.6                   |
| 10718 | AAC | ET40, MCS11 (267.0 Mbps), 99.8% DC               | WLAN          | 8.24     | ±9.6                   |
| 10719 | AAC | ET80, MCS0 (36.0 Mbps), 90.0% DC                 | WLAN          | 8.81     | ±9.6                   |
| 10720 | AAC | ET80, MCS1 (72.1 Mbps), 90.0% DC                 | WLAN          | 8.87     | ±9.6                   |
| 10721 | AAC | ET80, MCS2 (108.1 Mbps), 90.0% DC                | WLAN          | 8.76     | ±9.6                   |
| 10722 | AAC | ET80, MCS3 (144.1 Mbps), 90.0% DC                | WLAN          | 8.55     | ±9.6                   |
| 10723 | AAC | ET80, MCS4 (216.2 Mbps), 90.0% DC                | WLAN          | 8.70     | ±9.6                   |
| 10724 | AAC | ET80, MCS5 (288.2 Mbps), 90.0% DC                | WLAN          | 8.90     | ±9.6                   |
| 10725 | AAC | ET80, MCS6 (324.4 Mbps), 90.0% DC                | WLAN          | 8.74     | ±9.6                   |
| 10726 | AAC | ET80, MCS7 (360.3 Mbps), 90.0% DC                | WLAN          | 8.72     | ±9.6                   |
| 10727 | AAC | ET80, MCS8 (432.4 Mbps), 90.0% DC                | WLAN          | 8.66     | ±9.6                   |
| 10728 | AAC | ET80, MCS9 (480.4 Mbps), 90.0% DC                | WLAN          | 8.65     | ±9.6                   |
| 10729 | AAC | ET80, MCS10 (540.4 Mbps), 90.0% DC               | WLAN          | 8.64     | ±9.6                   |
| 10730 | AAC | ET80, MCS11 (72.0 Mbps), 90.0% DC                | WLAN          | 8.67     | ±9.6                   |
| 10731 | AAC | ET80, MCS0 (36.0 Mbps), 100.0% DC                | WLAN          | 8.42     | ±9.6                   |
| 10732 | AAC | ET80, MCS1 (72.1 Mbps), 100.0% DC                | WLAN          | 8.46     | ±9.6                   |
| 10733 | AAC | ET80, MCS2 (108.1 Mbps), 100.0% DC               | WLAN          | 8.40     | ±9.6                   |
| 10734 | AAC | ET80, MCS3 (144.1 Mbps), 100.0% DC               | WLAN          | 8.25     | ±9.6                   |
| 10735 | AAC | ET80, MCS4 (216.2 Mbps), 100.0% DC               | WLAN          | 8.33     | ±9.6                   |
| 10736 | AAC | ET80, MCS5 (288.2 Mbps), 100.0% DC               | WLAN          | 8.27     | ±9.6                   |
| 10737 | AAC | ET80, MCS6 (324.4 Mbps), 100.0% DC               | WLAN          | 8.36     | ±9.6                   |
| 10738 | AAC | ET80, MCS7 (360.3 Mbps), 100.0% DC               | WLAN          | 8.42     | ±9.6                   |
| 10739 | AAC | ET80, MCS8 (432.4 Mbps), 100.0% DC               | WLAN          | 8.29     | ±9.6                   |
| 10740 | AAC | ET80, MCS9 (480.4 Mbps), 100.0% DC               | WLAN          | 8.48     | ±9.6                   |
| 10741 | AAC | ET80, MCS10 (540.4 Mbps), 100.0% DC              | WLAN          | 8.40     | ±9.6                   |
| 10742 | AAC | ET80, MCS11 (600.5 Mbps), 100.0% DC              | WLAN          | 8.43     | ±9.6                   |
| 10743 | AAC | ET160, MCS0 (72.0 Mbps), 88.2% DC                | WLAN          | 8.94     | ±9.6                   |
| 10744 | AAC | ET160, MCS1 (144.0 Mbps), 87.1% DC               | WLAN          | 9.16     | ±9.6                   |
| 10745 | AAC | ET160, MCS2 (216.0 Mbps), 87.4% DC               | WLAN          | 8.93     | ±9.6                   |
| 10746 | AAC | ET160, MCS3 (282.0 Mbps), 87.1% DC               | WLAN          | 9.11     | ±9.6                   |
| 10747 | AAC | ET160, MCS4 (432.0 Mbps), 87.4% DC               | WLAN          | 9.04     | ±9.6                   |
| 10748 | AAC | ET160, MCS5 (576.0 Mbps), 86.8% DC               | WLAN          | 8.93     | ±9.6                   |
| 10749 | AAC | ET160, MCS6 (649.0 Mbps), 86.7% DC               | WLAN          | 8.90     | ±9.6                   |
| 10750 | AAC | ET160, MCS7 (721.0 Mbps), 86.7% DC               | WLAN          | 8.79     | ±9.6                   |
| 10751 | AAC | ET160, MCS8 (865.0 Mbps), 86.3% DC               | WLAN          | 8.82     | ±9.6                   |
| 10752 | AAC | ET160, MCS9 (961.0 Mbps), 86.3% DC               | WLAN          | 8.81     | ±9.6                   |
| 10753 | AAC | ET160, MCS10 (1081.0 Mbps), 86.7% DC             | WLAN          | 9.00     | ±9.6                   |
| 10754 | AAC | ET160, MCS11 (1201.0 Mbps), 86.7% DC             | WLAN          | 8.94     | ±9.6                   |
| 10755 | AAC | ET160, MCS0 (72.0 Mbps), 98.0% DC                | WLAN          | 8.64     | ±9.6                   |
| 10756 | AAC | ET160, MCS1 (144.0 Mbps), 96.8% DC               | WLAN          | 8.77     | ±9.6                   |
| 10757 | AAC | ET160, MCS2 (216.0 Mbps), 97.1% DC               | WLAN          | 8.77     | ±9.6                   |
| 10758 | AAC | ET160, MCS3 (282.0 Mbps), 95.8% DC               | WLAN          | 8.69     | ±9.6                   |
| 10759 | AAC | ET160, MCS4 (432.0 Mbps), 97.1% DC               | WLAN          | 8.58     | ±9.6                   |
| 10760 | AAC | ET160, MCS5 (576.0 Mbps), 96.5% DC               | WLAN          | 8.49     | ±9.6                   |
| 10761 | AAC | ET160, MCS6 (649.0 Mbps), 96.3% DC               | WLAN          | 8.58     | ±9.6                   |
| 10762 | AAC | ET160, MCS7 (721.0 Mbps), 96.3% DC               | WLAN          | 8.49     | ±9.6                   |
| 10763 | AAC | ET160, MCS8 (865.0 Mbps), 95.9% DC               | WLAN          | 8.53     | ±9.6                   |
| 10764 | AAC | ET160, MCS9 (961.0 Mbps), 95.9% DC               | WLAN          | 8.54     | ±9.6                   |
| 10765 | AAC | ET160, MCS10 (1081.0 Mbps), 96.3% DC             | WLAN          | 8.54     | ±9.6                   |
| 10766 | AAC | ET160, MCS11 (1201.0 Mbps), 96.3% DC             | WLAN          | 8.51     | ±9.6                   |
| 10767 | AAG | CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 99.9% DC, 1 RB   | 5G NR FR1 TDD | 7.99     | ±9.6                   |
| 10768 | AAE | CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10769 | AAD | CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.01     | ±9.6                   |
| 10770 | AAE | CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10771 | AAD | CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.02     | ±9.6                   |
| 10772 | AAE | CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB | 5G NR FR1 TDD | 8.23     | ±9.6                   |