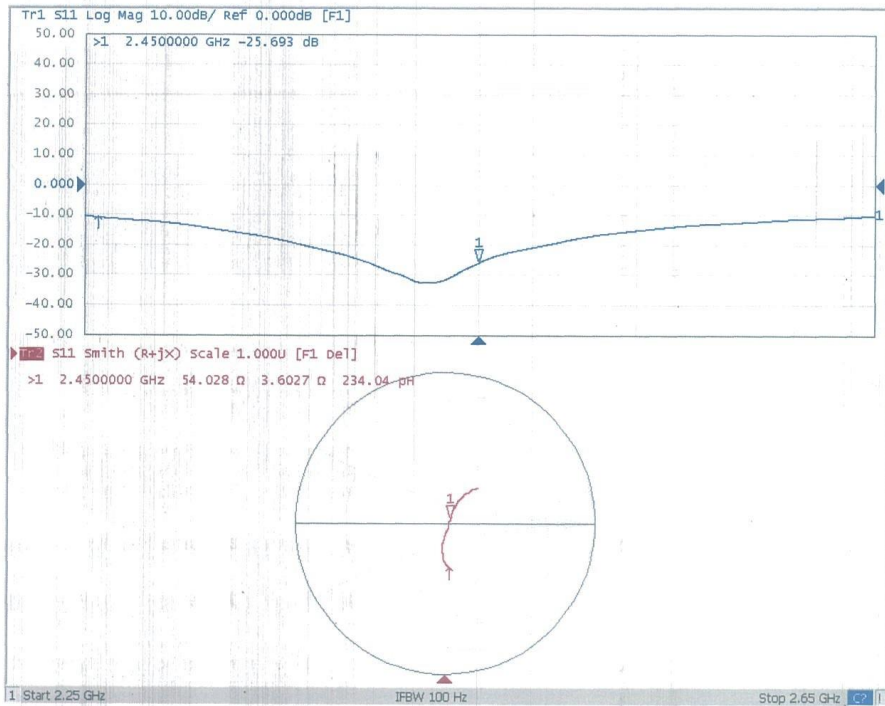




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Impedance Measurement Plot for Head TSL

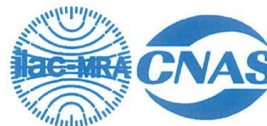




Appendix E. DAE Calibration Data



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Client : **Dekra-CN**

Certificate No: **Z22-60093**

CALIBRATION CERTIFICATE			
Object	DAE4 - SN: 1220		
Calibration Procedure(s)	FF-Z11-002-01 Calibration Procedure for the Data Acquisition Electronics (DAEx)		
Calibration date:	March 24, 2022		
<p>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.</p> <p>All calibrations have been conducted in the closed laboratory facility: environment temperature(22±3)°C and humidity<70%.</p> <p>Calibration Equipment used (M&TE critical for calibration)</p>			
Primary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Process Calibrator 753	1971018	15-Jun-21 (CTTL, No.J21X04465)	Jun-22
Calibrated by:	Name	Function	Signature
	Yu Zongying	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	
Issued: March 28, 2022			
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			



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Glossary:

DAE data acquisition electronics
Connector angle information used in DASYS 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 DASYS 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 report provide only calibration results for DAE, it does not contain other performance test results.



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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	405.230 ± 0.15% (k=2)	404.947 ± 0.15% (k=2)	404.181 ± 0.15% (k=2)
Low Range	3.97741 ± 0.7% (k=2)	3.99459 ± 0.7% (k=2)	3.98572 ± 0.7% (k=2)

Connector Angle

Connector Angle to be used in DASY system	177.5° ± 1 °
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