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

Client

TMC-Auden

Object(s)	D835V2 - SN:443				
Calibration procedure(s)	QA CAL-05.v Calibration pr	2 ocedure for dipole validation kits			
Calibration date:	December 9,	2003			
Condition of the calibrated item	In Tolerance (according to the specific calibration document)				
17025 international standard.	cted in the closed laborat	ory facility: environment temperature 22 +/- 2 degrees	s Celsius and humidity < 75%.		
17025 international standard.  All calibrations have been condu  Calibration Equipment used (M&			s Celsius and humidity < 75%.  Scheduled Calibration		
17025 international standard.  All calibrations have been condu  Calibration Equipment used (M&  Model Type	TE critical for calibration)				
17025 international standard.  All calibrations have been condu  Calibration Equipment used (M&  Model Type  Power meter EPM E442	TE critical for calibration)	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration		
17025 international standard.  All calibrations have been condu  Calibration Equipment used (M&  Model Type  Power meter EPM E442  Power sensor HP 8481A	TE critical for calibration)  ID #  GB37480704	Cal Date (Calibrated by, Certificate No.) 6-Nov-03 (METAS, No. 252-0254)	Scheduled Calibration Nov-04		
17025 international standard.  All calibrations have been conducted.  Calibration Equipment used (M&Model Type  Power meter EPM E442  Power sensor HP 8481A  Power sensor HP 8481A  RF generator R&S SML-03	TE critical for calibration)  ID #  GB37480704  US37292783  MY41092317 100698	Cal Date (Calibrated by, Certificate No.) 6-Nov-03 (METAS, No. 252-0254) 6-Nov-03 (METAS, No. 252-0254) 18-Oct-02 (Agilent, No. 20021018) 27-Mar-2002 (R&S, No. 20-92389)	Scheduled Calibration Nov-04 Nov-04		
17025 international standard.  All calibrations have been conducted.  Calibration Equipment used (M&Model Type  Power meter EPM E442  Power sensor HP 8481A  Power sensor HP 8481A  RF generator R&S SML-03	TE critical for calibration)  ID #  GB37480704  US37292783  MY41092317	Cal Date (Calibrated by, Certificate No.) 6-Nov-03 (METAS, No. 252-0254) 6-Nov-03 (METAS, No. 252-0254) 18-Oct-02 (Agilent, No. 20021018)	Scheduled Calibration Nov-04 Nov-04 Oct-04		
17025 international standard.  All calibrations have been conducted.  Calibration Equipment used (M&Model Type  Power meter EPM E442  Power sensor HP 8481A  Power sensor HP 8481A  RF generator R&S SML-03	TE critical for calibration)  ID #  GB37480704  US37292783  MY41092317 100698	Cal Date (Calibrated by, Certificate No.) 6-Nov-03 (METAS, No. 252-0254) 6-Nov-03 (METAS, No. 252-0254) 18-Oct-02 (Agilent, No. 20021018) 27-Mar-2002 (R&S, No. 20-92389)	Scheduled Calibration Nov-04 Nov-04 Oct-04 In house check: Mar-05		
	TE critical for calibration)  ID #  GB37480704  US37292783  MY41092317  100698  US37390585	Cal Date (Calibrated by, Certificate No.) 6-Nov-03 (METAS, No. 252-0254) 6-Nov-03 (METAS, No. 252-0254) 18-Oct-02 (Agilent, No. 20021018) 27-Mar-2002 (R&S, No. 20-92389) 18-Oct-01 (SPEAG, in house check Nov-03)	Scheduled Calibration  Nov-04  Nov-04  Oct-04  In house check: Mar-05  In house check: Oct 05		

Date issued: December 17, 2003

This calibration certificate is issued as an intermediate solution until the accreditation process (based on ISO/IEC 17025 International Standard) for Calibration Laboratory of Schmid & Partner Engineering AG is completed.

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

Client

TMC-Auden

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Object(s)

D1900V2 - SN:541

Calibration procedure(s)

QA CAL-05.v2

Calibration procedure for dipole validation kits

Calibration date:

Model Type

December 12, 2003

Condition of the calibrated item

In Tolerance (according to the specific calibration document)

Cal Date (Calibrated by, Certificate No.)

This calibration statement documents traceability of M&TE used in the calibration procedures and conformity of the procedures with the ISO/IEC 17025 international standard.

All calibrations have been conducted in the closed laboratory facility: environment temperature 22 +/- 2 degrees Celsius and humidity < 75%.

Calibration Equipment used (M&TE critical for calibration)

ID#

Model Type	ID T	our bate (ourstated by, our amount 110.)	
Power meter EPM E442	GB37480704	6-Nov-03 (METAS, No. 252-0254)	Nov-04
Power sensor HP 8481A	US37292783	6-Nov-03 (METAS, No. 252-0254)	Nov-04
Power sensor HP 8481A	MY41092317	18-Oct-02 (Agilent, No. 20021018)	Oct-04
RF generator R&S SML-03	100698	27-Mar-2002 (R&S, No. 20-92389)	In house check: Mar-05
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Nov-03)	In house check: Oct 05
	Name	Function	Signature
Calibrated by:	Judith Mueller	Technician	finde
Approved by:	Katja Pokovic	Laboratory Director	Bleve Hot

Date issued: December 17, 2003

**Scheduled Calibration** 

This calibration certificate is issued as an intermediate solution until the accreditation process (based on ISO/IEC 17025 International Standard) for Calibration Laboratory of Schmid & Partner Engineering AG is completed.

## Calibration Laboratory of Schmid & Partner

**Engineering AG** 

Zeughausstrasse 43, 8004 Zurich, Switzerland



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

Accreditation No.: SCS 108

Accredited by the Swiss Federal Office of Metrology and Accreditation The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client

**TMC-Auden** 

Certificate No: ET3-1600\_Jan05

## CALIBRATION CERTIFICATE ET3DV6 - SN:1600 Object QA CAL-01.v5 and QA CAL-13.v4 Calibration procedure(s) Calibration procedure for dosimetric E-field probes January 20, 2005 Calibration date: Condition of the calibrated item In Tolerance

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 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	5-May-04 (METAS, No. 251-00388)	May-05
Power sensor E4412A	MY41495277	5-May-04 (METAS, No. 251-00388)	May-05
Reference 3 dB Attenuator	SN: S5054 (3c)	10-Aug-04 (METAS, No. 251-00403)	Aug-05
Reference 20 dB Attenuator	SN: S5086 (20b)	3-May-04 (METAS, No. 251-00389)	May-05
Reference 30 dB Attenuator	SN: S5129 (30b)	10-Aug-04 (METAS, No. 251-00404)	Aug-05
Reference Probe ES3DV2	SN: 3013	7-Jan-05 (SPEAG, No. ES3-3013_Jan05)	Jan-06
DAE4	SN: 617	29-Sep-04 (SPEAG, No. DAE4-617_Sep04)	Sep-05
	•		
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092180	18-Sep-02 (SPEAG, in house check Oct-03)	In house check: Oct 05
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Dec-03)	In house check: Dec-05
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Nov-04)	In house check: Nov 05
	Name	Function	Signature
Calibrated by:	Nico Vetterli	Laboratory Technician	Dilatta)
			N. MCHEC
Approved by:	Katja Pokovic	Technical Manager	20 100
			Solon- 1077
			/

Issued: January 21, 2005

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