EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. **698/2025**

MIKROKOM, s.r.o.
with registered office Pod vinicí 622/22, Modřany, 143 00 Praha 4
Company Registration No. 45276676

for the Calibration Laboratory No. **2311**
Calibration Laboratory

Scope of accreditation:

Calibration of meters of optical power, sources of optical radiation, analysers of optical spectrum, optical reflectometers OTDR for fibre optics, and calibration of high-frequency measuring receivers to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 399/2021 of 23/07/2021, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **22/12/2030**

Prague: 22/12/2025

Signed in the Czech original:
Jan Velíšek on 22/12/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Andrea Muzikářová

The Appendix is an integral part of
Certificate of Accreditation No. 698/2025 of 22/12/2025

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

MIKROKOM, s.r.o.
CAB number 2311, Calibration Laboratory
Pod vinicí 622/22, Modřany, 143 00, Praha 4

CMC for the field of measured quantity: Electrical quantities

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity		Lowest expanded measurement uncertainty specified[2]	Calibration principle	Calibration procedure identification[3]	Location
		min. unit	max. unit						
1	RF signal level / RF measuring receivers	- 70 dBm	+7.4 dBm	1 MHz to 2,050 MHz	75 Ω 50 Ω	0.64 dB 0.58 dB	Measurement of power generated by the standard	KP06	

[1] Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

[2] The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

MIKROKOM, s.r.o.
CAB number 2311, Calibration Laboratory
Pod vinicí 622/22, Modřany, 143 00, Praha 4

CMC for the field of measured quantity: Optical quantities

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified[2]	Calibration principle	Calibration procedure identification[3]	Location
		min.	unit	max.	unit					
1	Optical power level / Power Meters for Fiber Optics	-35 dBm	to	-4 dBm		800 nm to 1,650 nm	2.8%	Comparison with standard optical Power Meter by substitution method	KP01	
	Linearity / Power Meters for Fiber Optics	-60 dBm	to	-4 dBm		800 nm to 1,650 nm	0.14 dB	Comparison with standard optical Power Meter using Optical Attenuator		
2	Optical power level / Light Sources for Fiber Optics	-60 dBm	to	+10 dBm		800 nm to 1,650 nm	0.15 dB	Power measurement by standard optical Power Meter	KP02	
	Max. power wavelength / Light Sources for Fiber Optics	600 nm	to	1,650 nm			0.11 nm	Wavelength measurement by standard Optical Spectral Analyzer		
3	Wavelength / Optical Spectral Analyzers for Fiber Optics	1,250 nm	to	1,650 nm			0.11 nm	Comparison with standard Optical Spectral Analyzer	KP04	
		1,530 nm	to	1,560 nm			0.012 nm	Wavelength measurement using standard absorption chamber		
	Optical power level / Optical Spectral Analyzers for Fiber Optics	-35 dBm	to	-4 dBm		800 nm to 1,650 nm	0.16 dB	Comparison with standard optical Power Meter by substitution method		
	Linearity / Optical Spectral Analyzers for Fiber Optics	-60 dBm	to	-5 dBm		800 nm to 1,650 nm	0.19 dB	Comparison with standard optical Power Meter using Optical Attenuator		

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

MIKROKOM, s.r.o.
CAB number 2311, Calibration Laboratory
Pod vinicí 622/22, Modřany, 143 00, Praha 4

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified[2]	Calibration principle	Calibration procedure identification[3]	Location
		min.	unit	max.	unit					
4	Max power wavelength / Optical reflectometers OTDR	600 nm	to	1,650 nm			0.11 nm	Wavelength measurement by standard Optical Spectral Analyzer	KP05	
	Optical length of SMF fiber / Optical reflectometers OTDR			20.17 km		spectral bands 1,310 nm, 1,550 nm 1,625 nm	2.3 m	Optical length measurement of optical fiber standard		
	Attenuation (1 dB) / Optical reflectometers OTDR	-35 dBm	to	-4 dBm		800 nm to 1,650 nm	0.021 dB	Attenuation measurement at different fiber lengths – comparison with standard optical Power Meter using Optical Attenuator		

[1] Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

[2] The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).