

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

RFspin s. r. o.
facility No. 2433, RFspin Calibration Laboratory
Kumburský Újezd 112, 509 01 Nová Paka

CMC for the field of measured quantities: Electrical quantities

Item No. ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of meas. quantity	Lowest stated expanded uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1	Reflection coefficient / antennas	0 dB		-6 dB		0.5 GHz to 40 GHz	0.21 dB	Measurement with vector network analyzer	KP-02	
		-6 dB		-15 dB		0.5 GHz to 40 GHz	0.41 dB			
		-15 dB		-25 dB		0.5 GHz to 40 GHz	1.4 dB			
		-25 dB		-35 dB		0.5 GHz to 40 GHz	4.1 dB			
2	Gain / antennas	-10 dB		40 dB		Distance 1 m	0.5 GHz to 40 GHz	0.8 dB	Three-antenna method	KP-01 (SAE ARP 958E, ch. 4)
						Distance 3 m	0.5 GHz to 40 GHz	0.7 dB	Three-antenna method	KP-01 (ANSI C63.5, ch. 5)
3	Antenna factor / antennas	-16 dB (m ⁻¹)		72 dB (m ⁻¹)		Distance 1 m	0.5 GHz to 40 GHz	0.8 dB	Three-antenna method	KP-01 (SAE ARP 958E, ch. 4)
						Distance 3 m	0.5 GHz to 40 GHz	0.7 dB	Three-antenna method	KP-01 (ANSI C63.5, ch. 5)

¹ If the laboratory is able to perform calibrations also outside its permanent premises, such calibrations are marked with an asterisk next to the item number.

² In accordance with GLOBAL ACI-TECH-1-009 (M) and EA-4/02 M, the expanded measurement uncertainty is part of the CMC and is the lowest value of the respective uncertainty. Unless stated otherwise, its coverage probability is approx. 95 %. Uncertainty values stated without a unit are relative to the measured value, unless stated otherwise. The uncertainty value stated here is based on the best conditions achievable by the laboratory; the uncertainty value of a particular calibration may be higher depending on the conditions of such calibration. For identical limit values of adjoining ranges, the lower uncertainty value always applies.

³ For dated documents identifying calibration procedures, only these specific procedures are used. For undated documents identifying calibration procedures, the latest edition of the referenced procedure (including all amendments) is used.