



The Dutch Accreditation Council RvA, by law appointed as
the national accreditation body for The Netherlands,
hereby declares that accreditation has been granted to:

TRESCAL Zoetermeer B.V. Technical Operations Zoetermeer

The organisation has demonstrated to be able to generate technical valid results in a
competent way and work according to a management system.

This accreditation is based on an assessment against the requirements
as laid down in EN ISO/IEC 17025:2017.

The accreditation covers the activities as specified in the authorized
annex bearing the registration number.

The accreditation is valid provided that the organisation
continues to meet the requirements.

The accreditation with registration number:

K 052

is granted on 12 September 1989

This declaration is valid until

1 March 2026

The board of the Dutch Accreditation Council,
on its behalf,


mr. J.A.W.M. de Haas

of **TRESCAL Zoetermeer B.V.**
Technical Operations

This annex is valid from: **24-04-2025 to 01-12-2028**

Replaces annex dated: **12-06-2024**

HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
		10 MHz – 8 GHz	0.10 dB	4) PC 3.5 male connector. Generation with splitter and power sensor (e.g. spectrum analyser)	
		>8 GHz – 18 GHz	0.16 dB		
		>18 GHz – 26.5 GHz	0.20 dB		
		>26.5 GHz – 30 GHz	0.24 dB		
		>30 GHz – 33 GHz	0.30 dB		
	Absolute power -10 to -90 dBm	50 MHz	0.25 dB	4) BNC connector. Generation with splitter and measuring receiver (e.g. spectrum analyser)	
	Absolute power -90 to -100 dBm	50 MHz	0.30 dB		
	Absolute power -10 to -90 dBm	50 MHz	0.25 dB	4) N male or female or PC 7 connector. Generation with splitter and measuring receiver (e.g. spectrum analyser)	
	Absolute power -90 to -100 dBm	50 MHz	0.30 dB		
	Absolute power -10 to -90 dBm	50 MHz	0.25 dB	4) PC 3.5 male connector. Generation with splitter and measuring receiver (e.g. spectrum analyser)	
	Absolute power -90 to -100 dBm	50 MHz	0.30 dB		
TF 0 0	Time and Frequency				
TF 2 1	Frequency				ZTM
	100 kHz		$1 \cdot 10^{-11} \cdot f$	Measurement measuring time $\tau \geq 1000$ s	
	1 MHz		$1 \cdot 10^{-11} \cdot f$		
	5 MHz		$1 \cdot 10^{-11} \cdot f$		
	10 MHz		$1 \cdot 10^{-11} \cdot f$		
	0.1 Hz – 1 Hz		12 μ Hz	Measurement. Generation measuring time $\tau \geq 20$ s	
	1 Hz – 10 Hz		12 μ Hz		
	10 Hz – 100 Hz		12 μ Hz – 1.2 μ Hz		
	100 Hz – 1 kHz		1.2 μ Hz		

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HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
	1 kHz – 10 kHz		1.2 μ Hz		
	10 kHz – 100 kHz		1.2 μ Hz		
	100 kHz – 1 MHz		1.2 μ Hz – 12 μ Hz		
	1 MHz – 10 MHz		12 μ Hz – 0.12 mHz		
	10 MHz – 100 MHz		0.12 mHz – 1.2 mHz		
	100 MHz – 1 GHz		1.2 mHz – 12 mHz		
	1 GHz – 3 GHz		12 mHz – 14 mHz		
	3 GHz – 27.5 GHz		1.2 Hz		
TF 2 2	Time interval			Measurement	ZTM
	100 ps – 1 ns		$1.2 \cdot 10^{-9} \cdot T$		
	1 ns – 10 ns		$1.2 \cdot 10^{-9} \cdot T$		
	10 ns – 100 ns		$1.2 \cdot 10^{-9} \cdot T$		
	100 ns – 1 μ s		$1.2 \cdot 10^{-9} \cdot T$		
	1 μ s – 10 μ s		$1.2 \cdot 10^{-9} \cdot T$		
	10 μ s – 100 μ s		$1.2 \cdot 10^{-9} \cdot T$		
	100 μ s – 1 ms		$1.2 \cdot 10^{-9} \cdot T$		
	1 ms – 10 ms		$1.2 \cdot 10^{-9} \cdot T$		
	10 ms – 100 ms		$1.2 \cdot 10^{-8} \cdot T - 1.2 \cdot 10^{-6} \cdot T$		
	100 ms – 1 s		$1.2 \cdot 10^{-6} \cdot T - 1.2 \cdot 10^{-5} \cdot T$		
	1 s – 10 s		$1.2 \cdot 10^{-5} \cdot T - 1.2 \cdot 10^{-4} \cdot T$		
TF 2 2	Time interval			Measurement	
	0.1 μ s – 100 ms		$1 \cdot 10^{-6} \cdot T + 10$ ns	Equipment with separated electrical start and stop inputs.	
	100 ms – 1 s		$1 \cdot 10^{-5} \cdot T + 10$ ns		
	1 s – 10 s		$1 \cdot 10^{-4} \cdot T + 10$ ns		