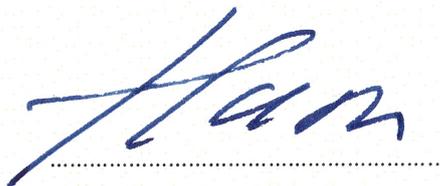


## Declaration of Expertise in Testing of Power Quality Instruments According to IEC 61000-4-30 Ed.3

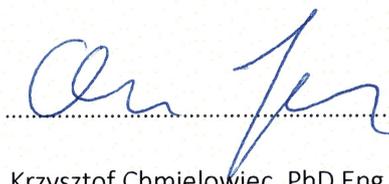
<b>Issued by</b>	Power Quality Laboratory AGH University of Science and Technology Kraków, Poland
<b>Date</b>	2021-07-12
<b>Applicant</b>	SONEL S.A. Świdnica, Poland
<b>Manufacturer</b>	SONEL S.A. Świdnica, Poland
<b>Equipment under test</b>	Power Quality Analyzer PQM-710
<b>Nominal values</b>	230 V, 50 Hz
<b>Serial number</b>	BR0222
<b>Firmware version</b>	FW 1.45
<b>Test reference</b>	IEC 62586-2:2017, Power quality measurement in power supply systems – Part 2: Functional tests and uncertainty requirements.
<b>IEC 61000-4-30 Power quality functions tested</b>	- Rapid voltage changes (RVC) – Magnitude of current – Harmonic current – Interharmonic currents – Current unbalance -

Power Quality Laboratory of AGH University of Science and Technology (AGH PQLab) confirms that the above instrument fulfils Class A requirements of IEC 61000-4-30 Ed. 3, in the test range as presented in Table 1, when tested according to the procedures set forth in IEC 62586-2:2017.

Tests were performed using a calibrated test generator, traceable to national standards administered by EURAMET and ILAC members.



Prof. Zbigniew Hanzelka  
Director, AGH PQLab  
12.07.2021



Krzysztof Chmielowiec, PhD Eng.  
Quality Assurance Engineer, AGH PQLab  
12.07.2021

# Compliance test according to IEC 61000-4-30 Ed. 3

Table 1. Summary of tests results

IEC 62586-2 Section	Power Quality Parameter	Class A Test Result	Remarks
7.13	Rapid voltage changes (RVC)	Positive	
7.14	Magnitude of current	Positive	
7.15	Harmonic current	Positive	
7.16	Interharmonic currents	Positive	
7.17	Current unbalance	Positive	

## Test location

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## Test dates

April-June 2021