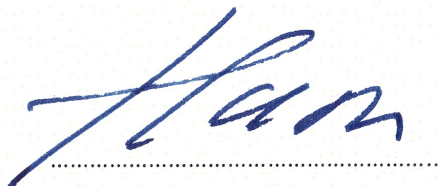


Declaration of Expertise in Testing of Power Quality Instruments According to IEC 61000-4-30 Ed.3

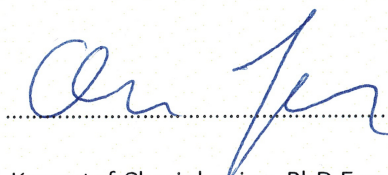
Issued by	Power Quality Laboratory AGH University of Science and Technology Kraków, Poland
Date	2021-07-12
Applicant	SONEL S.A. Świdnica, Poland
Manufacturer	SONEL S.A. Świdnica, Poland
Equipment under test	Power Quality Analyzer PQM-710
Nominal values	230 V, 50 Hz
Serial number	BR0222
Firmware version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

AGH University of Science and Technology, Krakow, Poland

Power Quality Laboratory, C5 room 003

tel. +48 12 617 55 22

e-mail: ce@agh.edu.pl

Test dates

April-June 2021