

Calibration Report of Primrose Technology WSG Signal Generator

MPC Control #:	2192550211	Serial Number:	2192550211
Asset ID:	NA	Calibration Date:	June 3, 2020

DC Voltage Calibration

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
Zero Set	0.000 mV	-0.050 mV	0.004 mV	0.004 mV	0.050 mV	PASS	0.00030 mV
5 V Output	5.000 V	4.950 V	5.010 V	5.010 V	5.050 V	PASS	0.000026 V
2.048 V Output	2.0480 V	2.0378 V	2.0489 V	2.0489 V	2.0582 V	PASS	0.000011 V

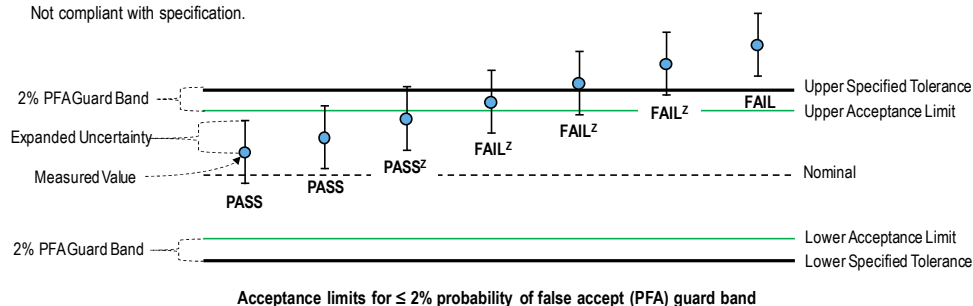
Statements of Pass or Fail Conformance

The uncertainty of measurement has been taken into account when determining compliance with specification, as per ILAC-G8:03/2009.

All measurements and test results guard banded to ensure the probability of false-accept does not exceed 2% in compliance with ANSI/NCSL Z540.3-2006

The status of compliance with the acceptance criteria is reported as:

- PASS** — Compliant with specification.
- PASS^z** — The measured value is within acceptance limits.
However, a portion of the expanded uncertainty of measurement at 95% exceeds the specified tolerance.
- FAIL^z** — The measured value is not within the acceptance limits.
However, a portion of the expanded uncertainty of measurement at 95% is within the specified tolerance.
- FAIL** — Not compliant with specification.



The expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%, unless otherwise stated.

This calibration report complies with ISO/IEC 17025:2017 and ANSI/NCSL Z540.3-2006, Method 6 --- Guard Bands Based on Test Uncertainty Ratio.

- End of Calibration Report -