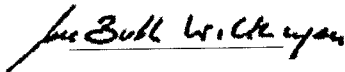


CERTIFICATE OF CALIBRATION

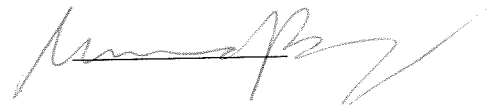
Item	Field Meter
Manufacturer	NARDA S.T.S. / PMM
Model	8053B
Serial number	262WM70316
Calibration procedure	INTERNAL PROCEDURE MT-1001-STD
Date(s) of measurements	2022-09-27
Date of emission	2022-09-27
Result of calibration	MEASUREMENT RESULTS WITHIN SPECIFICATIONS
Certificate number	22-S-13121

This document displays the procedure and the instrumental chain used to verify the compliance of the equipment under calibration to the technical characteristics required. The results shown in the next pages comes with the traceability chain of the laboratory and the related calibration certificates in their course of validity. Uncertainty declared in this document has been determined in compliance with the document EA-4/02 Expression of uncertainty of Measurement in Calibration and is expressed with a covering factor $k=2$, corresponding to a confidence level of about 95%.

Person in charge
Jan Bulli Wilkinson



Measurement operator
Ing. Marco Borrega



LABORATORY CHAIN OF TRACEABILITY

The following table shows the equipment used for this calibration procedure along with the reference list for traceability

Equipment	Standard	Model	Calibration
Signal Generator	Frequency	Agilent N5183A	LAT 019 67260
Function/Arbitrary Waveform Generator	Frequency	Rigol DG4202	LAT 019 67271
Multimeter	A.C. Voltage	Hewlett Packard 34401A	LAT 019 67280
Power Sensor	R.F. Power	Agilent U2004A	LAT 019 67265
Power Sensor	R.F. Power	Agilent U2004A	LAT 019 67268
Power Sensor	R.F. Power	Agilent U2000A	LAT 019 67262
Directional Coupler	R.F. Power	Agilent 772D-001	LAT 019 67275
Directional Coupler	R.F. Power	Werlatone C6110-10	LAT 019 66278
20dB attenuator 7mm	Attenuation	Mini-Circuits BW-N20W5+	LAT 019 67252
30dB attenuator 7mm	Attenuation	Mini-Circuits UNAT-30+	LAT 019 67281
30dB attenuator 7mm	Attenuation	Mini-Circuits UNAT-30+	LAT 019 67283
30dB attenuator 7mm	Attenuation	Mini-Circuits UNAT-30+	LAT 019 67285
30dB attenuator 7mm	Attenuation	Mini-Circuits UNAT-30+	LAT 019 67286
Double Guide Horn Antenna	--	ETS Lindgren 3116B	UKAS 2020010177-1
Electric Field Probe	Electric Field	NARDA S.T.S. EP-603	LAT 008 80504716E

The present certificate may not be produced other than full except with the prior written permission of the issuing center.

Calibration certificates are not valid without a signature.

Certificate n. 22-S-13121

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CALIBRATION UNCERTAINTY

The uncertainty stated in this document does not take into account the long term stability of the monitor. For the purpose of this certificate the expanded uncertainties are given below.

Domain	Uncertainty
Voltage reference	12%

MEASUREMENT CONDITIONS

All the instruments considered in the chain, comprising the equipment under calibration, were turned on at least 15 minutes (or the minimum warm up time stated in the manual, if present) to avoid any thermal drift.
The environmental conditions of temperature and relative humidity were monitored during the entire calibration procedure.

CALIBRATION

The following tests were made on the instrument to ensure its full functionality and performance.

Test	Result
Firmware	PASS
Serial interface	PASS
Optical interface	PASS
Probe recognition	PASS
Internal voltage reference error	< 1%
Battery performance	PASS