

## As Left Certificate of Calibration

Manufacturer	<b>Radian Research, Inc.</b>	
Instrument Model:	<b>RX-33-PQ Xytronic Portable Standard</b>	
Serial Number	710851	
Firmware Revision:	12.00.00	ISO 9001:2015 Certified Quality Management System
Error Specification	.01% worst case	ISO/IEC 17025:2017 Accredited Laboratory

Customer Name: Enercom, S.A.  
 Address: Calle 50, piso 12, oficina 1207  
 Ciudad de Panama, Panama

Calibration Lab Name: Radian Research, Inc.  
 Calibration Lab Address: 3852 Fortune Drive, Lafayette, IN 47905, USA  
 Calibration Date: 19-Sep-23  
 Report Issue Date: 3-Oct-23

**Environmental Conditions**

Temperature: 23°C +/- 2°C	P.O.Number:	CCD
Humidity: between 30% and 60%	RMA:	RO44393

**Physical Condition:** Undamaged

**Radian Research's As-Found Test Results showed this instrument to be:**

New  In Tolerance  Out of Tolerance  Inoperative  Limited Calibration  Repair Needed

**Radian Research's As-Left Test Results showed this instrument to be:**

New  In Tolerance  Out of Tolerance  Inoperative  Limited Calibration

For Out of Tolerance conditions, As-Found Data Reports are furnished.

Radian Research, Inc. certifies the instrument listed above meets or exceeds specifications and was calibrated in compliance with ANSI/NCCL Z540-1-1994 "Calibration Laboratories and Measuring and Test Equipment – General Requirements" using applicable Radian Research procedures which meet the requirements of ISO 9001:2015 and ISO/IEC Guide 98-3 "Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)".

This instrument was calibrated by a Radian Research RS-933 Syntron Automated Calibration System which is traceable to the National Institute of Standards and Technology (NIST) and/or other National Metrology Institute (NMI). The Automated Calibration system is cross checked and calibrated on a schedule which is adjusted to maintain required accuracies and traceability. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2.

Procedure used for Calibration: 9912270  
 Software used for Calibration: Radian Research RS-933 Control Application Version 2.6.8312.21655  
 RS-933 Tool Number: 9922573

**Standards Used in This Calibration:**

<u>Description</u>	<u>Serial Number(s):</u>	<u>Cal. Source</u>	<u>Cal. Number:</u>	<u>Cal. Due</u>
RS-940B Data Collection Module	933172	Radian Research	933172-20230419	4/19/2024
RS-711 Syntron with RS-932 Boost Module (Phase A)	703273	Radian Research	703273-20230223	2/23/2024
RS-711 Syntron with RS-932 Boost Module (Phase B)	703274	Radian Research	703274-20230224	2/24/2024
RS-711 Syntron with RS-932 Boost Module (Phase C)	703275	Radian Research	703275-20230228	2/28/2024

**Laboratory Technician Signature**

*Carmen Really*  
 LAB 429

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