CALSAT

EIRP Calibration Sytem

INTEGRASYS
Building success from innovation

CAPEX or SaaS

EIRP CALIBRATION SYSTEM

Interference detection, geocolation, and identification. Ideal for satellite operators & governments

www.integrasys-space.com

INTEGRASYS GROUP: USA, Australia, Indonesia, UAE, Spain, Ukraine, France, UK, and Luxembourg
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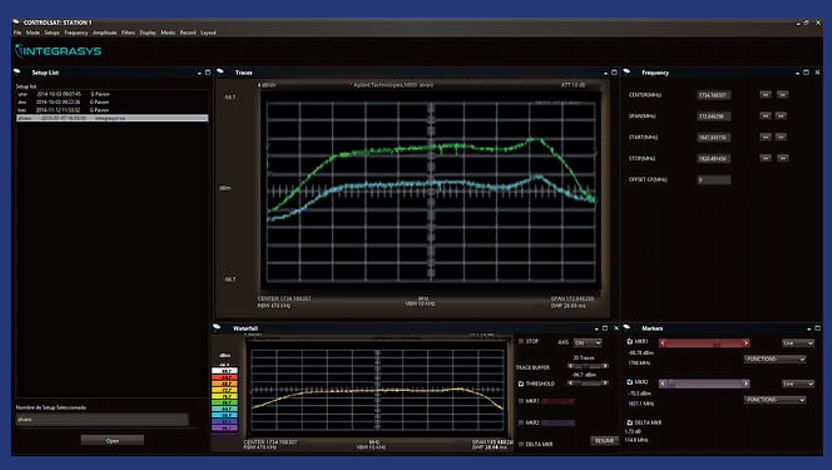
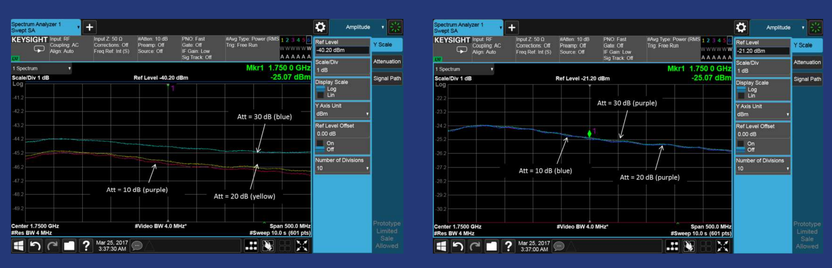
Competitive Advantage

- Fastest calibration system on the market.
- Remote operation 24/7.
- Easy operation.
- Scalable.



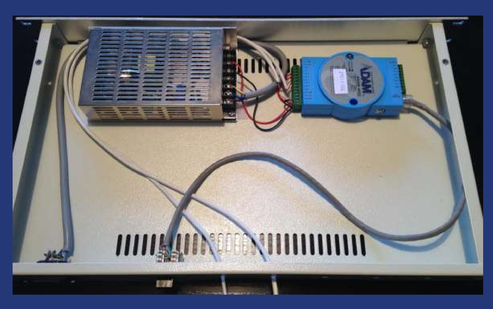


Features

- Designed for automated measurement and compensation of gain/loss in the satellite reception chain to display calibrated EIRP.
- Broadband calibrated noise source is used as reference standard. A power reference broadband signal is injected just before LNA/LNB compensating RF cable atenuation and uncertainty.
- Very accurate satellite carrier power measurements are achieved based on calibrated broadband noise power traceable to the National Institute of Standards and Technology (NIST).
- Residual uncertainty for path gain/loss measurements is reduced down to +/- 0.2 dB after calibration.

Benefits

- Most accurate EIRP measurements with minimum service interruption.
- Fast calibration process using broadband signals; typically 2 sec for 600 frequency points.
- Overcome traditional EIRP calibration procedures, which rely on slow and expensive measurement instrumentation.
- On-demand or programmed time-to-perform automated calibration process via Calsat task-scheduled application software. Seamless integration of calibrated results within other INTEGRASYS' carrier monitoring systems.
- Calsat improves calibration speed and accuracy with a minimum of hardware investment, saving capital expenses (CAPEX).



Company Awards

Vision Awards	MOST INNOVATIVE PRODUCT OF THE YEAR	2014
VSAT INDUSTRY AWARDS 2015	TECHNOLOGY INNOVATION OF THE YEAR	2015
VSAT GLOBAL 2017	BEST GROUND TECHNOLOGY OF THE YEAR	2017
WTA	TELEPORT TECHNOLOGY OF THE YEAR	2018
MSUA Mobile Satellite Users Association	GOVERNMENT MOBILE INNOVATION	2022
WTA	TELEPORT TECHNOLOGY OF THE YEAR	2023
MSUA Mobile Satellite Users Association	SATELLITE MOBILE INNOVATION AWARDS	2023
MSUA Mobile Satellite Users Association	NEW SPACE MOBILE INNOVATION AWARD	2024
BROADCASTPRO ManufacturerAwards	BEST CONTRIBUTION TO SUSTAINABLE SATELLITE OPERATIONS	2025
SSPI	BETTER SATELLITE WORLD AWARDS	2025