VeryFiling PNT

PNT ITU COMPLIANCE TOOL

INTEGRASYS
Building success from innovation

CAPEX or SaaS

LINK BUDGET CALCULATION FOR PNT ITU FILING & COMPLIANCE

Automated interference analysis software aligned with ITU standards, providing instant validation for alternative PNT constellations.

www.integrasys-space.com

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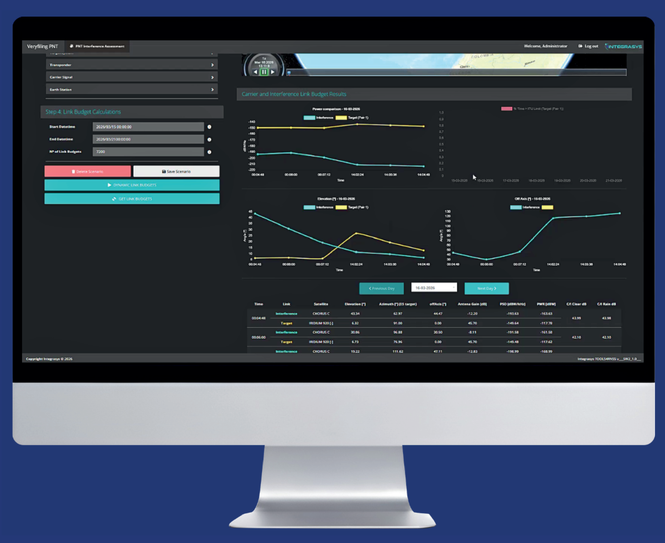
Competitive Advantage

- Specialized solution engineered for Positioning, Navigation and Timing (PNT) interference analysis.
- Automates ITU-R SA.363-5 compliance evaluation, reducing complex manual engineering workflows.
- Simultaneous uplink and downlink interference analysis in multi-band, in a single platform.
- Web-based and multi-user environment, eliminating complex local installations.
- Integrated 3D Earth visualization environment for intuitive monitoring of interference events.



Benefits

- Reduces dependence on external consultants and temporary regulatory experts.
- Accelerates the coordination process between satellite constellations and ground stations.
- Improves confidence in achieving regulatory compliance with ITU interference limits.
- Provides high-precision link analysis with optimized processing performance.
- Helps maintain reliable PNT signal integrity in environments with multiple satellite systems.
- Add PNT service in SATCOM constellations with one tail.

Features

- Implements ITU-R SA.363-5 interference limits with integrated PSD thresholds per 1 kHz bandwidth.
- Supports dynamic and fixed satellite tracking strategies with automatic highest-elevation selection.
- Includes pre-configured parameters for major LEO and MEO constellations.
- Performs detailed link budget calculations including C/I ratios, noise levels, and power metrics.
- Generates automated Excel and PDF reports with timestamps, geometry data, and gain values.
- Advanced configuration of transponder bandwidth, EIRP, antenna patterns, and earth station coordinates.

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