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FORTIS
Survey Lite

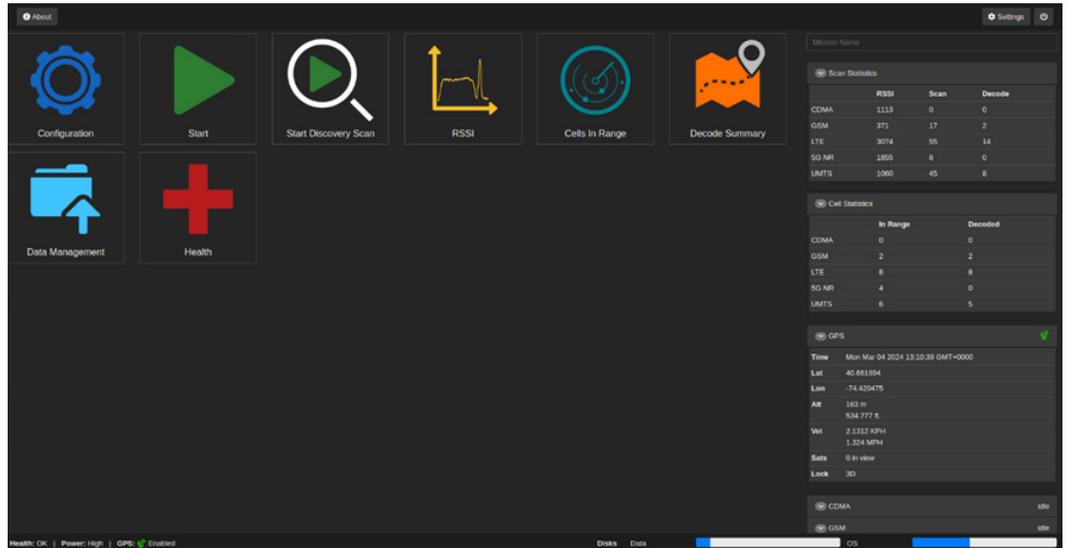*2G/3G/4G/5G Cellular Network Survey Software*

Overview

Unleash top-tier signal processing with FORTIS Survey Lite— a lite version of FORTIS Survey designed for single and dual-channel tuner applications. Its adaptable architecture interfaces to a growing list of third-party tuners, matching your tuner and host computer's power for optimal performance.

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Key Features

Tuner Optimization

Survey Lite revolutionizes tuner resource management with an intuitive interface that simplifies complexity. Select your technologies and bands, and it takes over, dynamically optimizing resources in real-time using survey feedback.
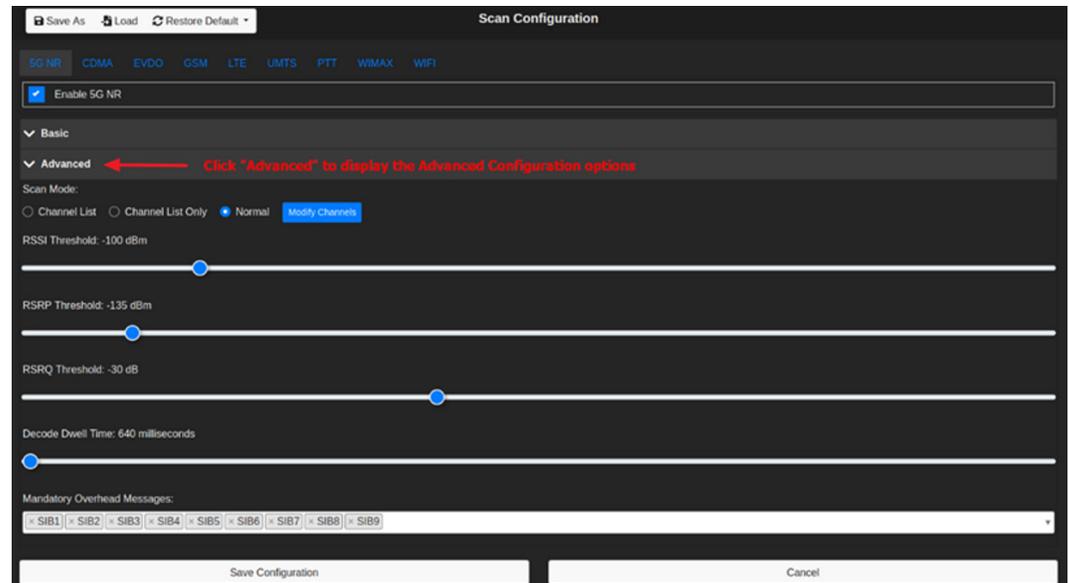

Intuitive User Interface

Prioritizing decodes by signal strength and leveraging neighbor lists for precise tuning and cell discovery, Survey Lite ensures peak efficiency. It's your smart, streamlined solution for high-performance signal processing!

Survey Lite

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Easy Configuration

Configuring Survey Lite is simple and powerful, featuring a clean interface to select from technologies like GSM, CDMA, EVDO, UMTS, LTE, and 5G NR FR1. Save named configurations in Mission data for easy reuse. Survey Lite delivers fast, flexible setup tailored to your needs!
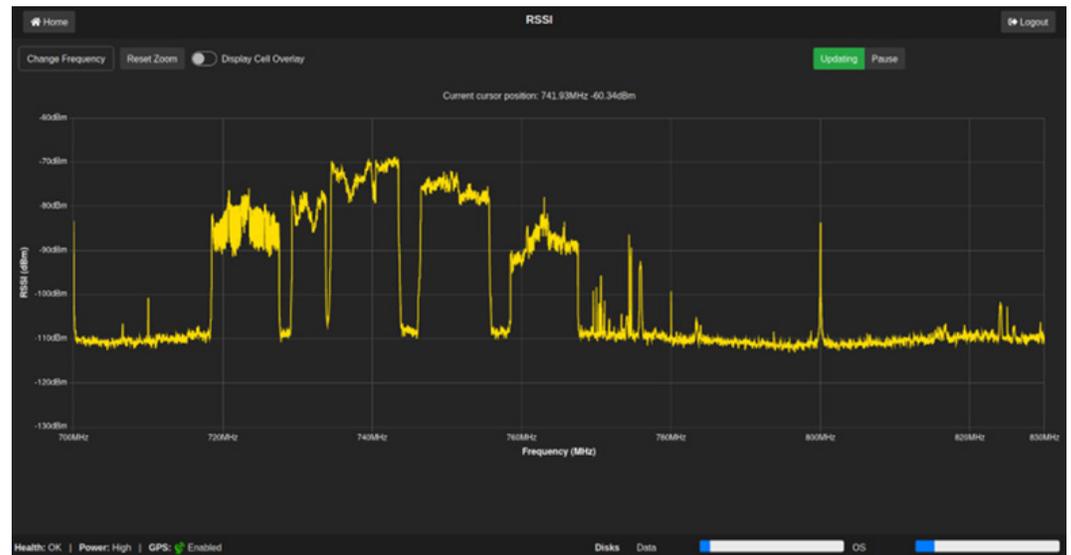

Decode Summary

Survey Lite provides comprehensive network measurement insights for all cells decoded throughout the mission. There is a display for each active technology.

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RSSI Spectrum View

Survey Lite's RSSI Spectrum View allows operators to view the spectrum in a given band to ensure smooth operation and to look for interfering signals.
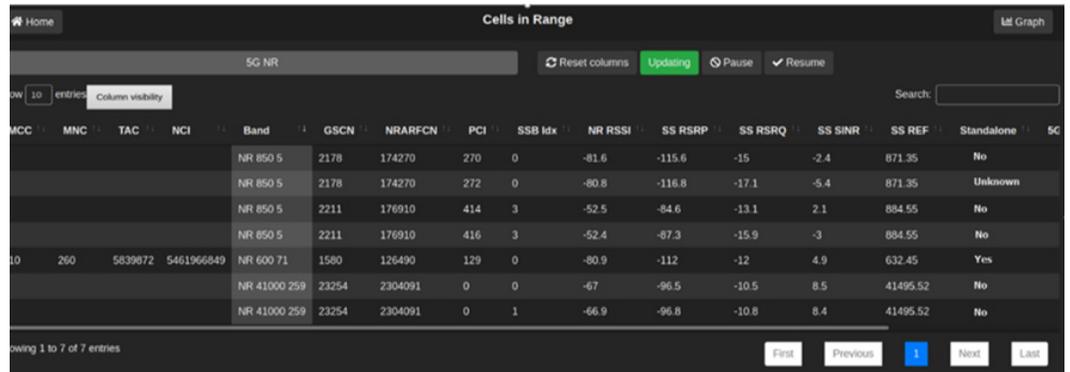

Activate "Cell Overlay" to illuminate the spectrum occupied by active cells, making it easier to track what's happening in your RF landscape.

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Cells in Range

The "Cells in Range" display allows an operator to visually see all the cells Survey Lite is currently actively tracking and taking measurements for. There is a display for each active technology. Survey Lite displays IDs, and signal measurements for those technologies.

The user can also visualize the Cells in Range data as a graph. This graph allows a user to click on a specific cell of interest and a "Pop-Up" showing details for the cell is displayed.

Minimum Host Requirements

Storage   512 GB
Memory   32GB
OS   Debian or RHEL Based Linux Distributions (Tested on Debian Based Ubuntu, RHEL Based Rocky Linux)
Browser   Mozilla Firefox v133.0 or higher
Docker   Docker version 19.03.8 or higher
CPU   Intel CPU, (Performance will match the Processing Capabilities).

Note: Processing required scales proportionally to Tuner capabilities and interfaces as well as number of simultaneous active channels per technology required to support.

Supported Receivers

- Ettus B205 mini (option G3 DDCs supported in the FPGA)
- Epiq SideKIQ NV100
- Signal Hound SM200B
- Signal Hound SM200C
- 3 dB Sceptre API /command line (headless) support

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G3T is the Original Equipment Manufacturer (OEM) of the products listed above. For more information regarding these or any other G3 Technologies capabilities, please email us at sales@g3ti.net or, contact the following:

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