



Technologies, Inc.

PROVIDING NEXT GENERATION WIRELESS SOLUTIONS

FORTIS Survey Lite

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



Survey Lite

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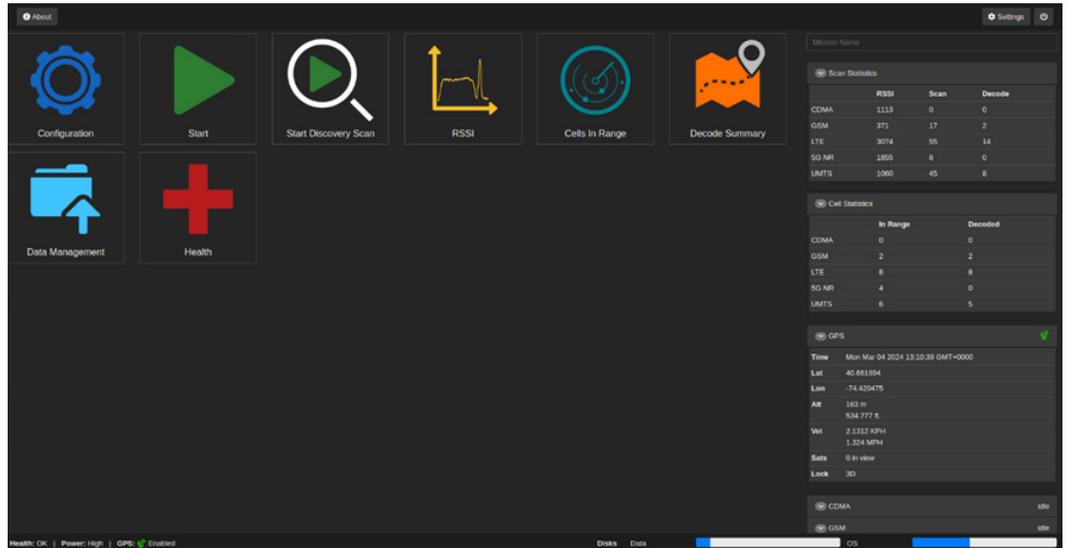
Overview

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.

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.

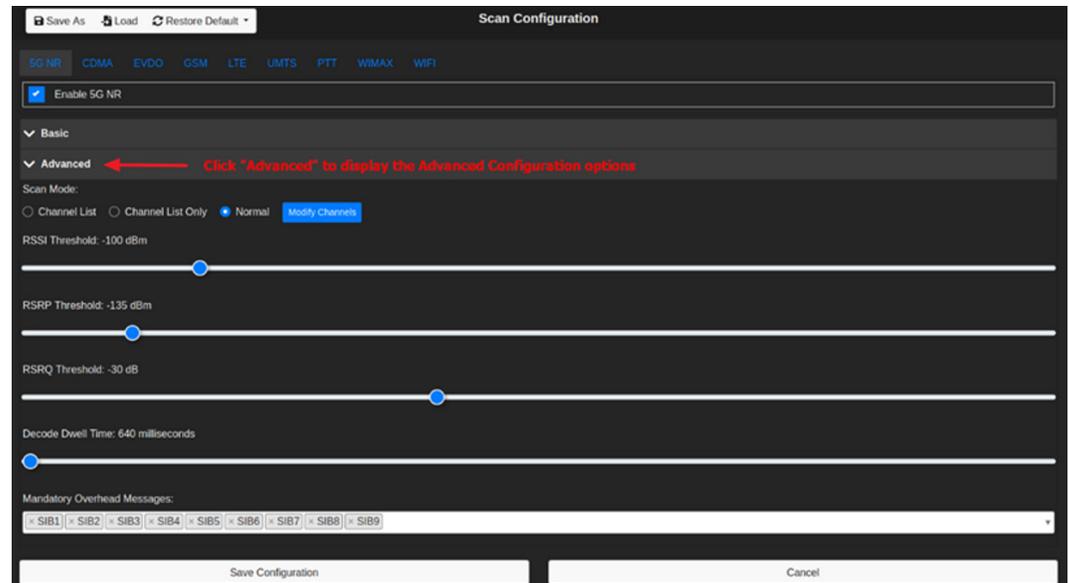


Intuitive User Interface

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!

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!



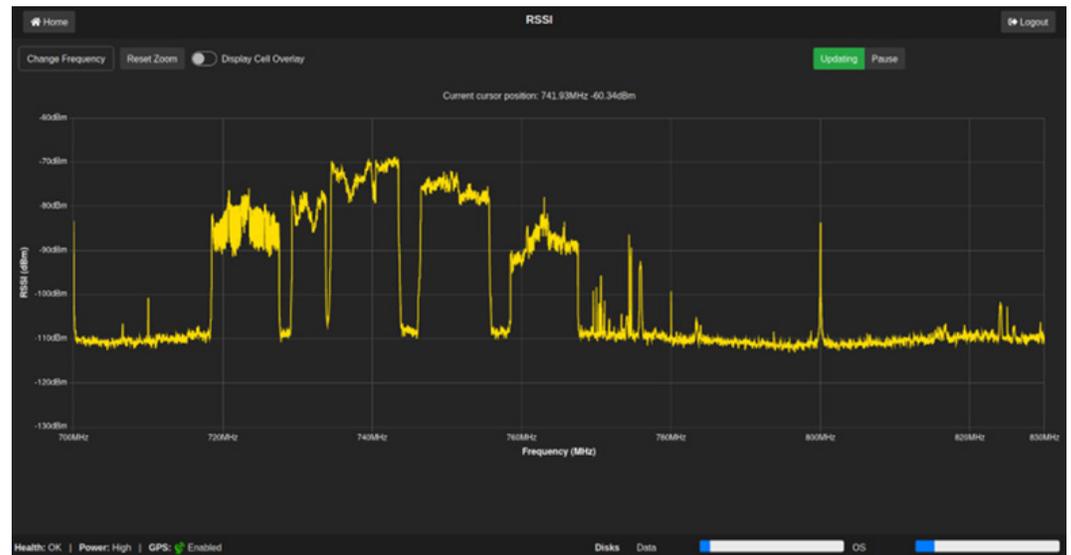
Decode Summary

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

Band	MFB	EARFCN	PCI	Tracking	MCC	MNC	PLMN List	Bandwidth	Carrier	Decodes	TAC	ECI	#Ant	SG NSA	DSS	LTE Neighbors
LTE 1900 2	690	280	Yes	310	410	310.410.313.100	10	AT&T	4	3078	208151305	4	Yes	No	675(3);5330(1);5780(2);9820(4);67086(5)	
LTE 1900 2	975	280	Yes	310	410	310.410.313.100	5	AT&T	1	3078	208151468	4	Yes	No	650(3);5330(1);5780(2);9820(4);67086(5)	
LTE 1900 2	25	875	46	No	310	260	310.260	15	T-Mobile	3	23004	11771656	4	Yes	No	
LTE 1900 2	25	875	114	Yes	310	260	310.260	15	T-Mobile	1	23004	11771655	4	Yes	No	
LTE 2100 4	10.66	2250	86	Yes	310	260	310.260	20	T-Mobile	16	23004	11771650	4	Yes	No	725(4);750(3);875-114(6);875-308(6);875-46(6);875-476(6)
LTE 2100 4	66	2050	133	Yes	311	480	311.480	20	Verizon	1	23296	23369750	4	Yes	No	1100(3);2560(4);5230(3)
LTE 2100 4	10.66	2250	168	Yes	310	260	310.260	20	T-Mobile	6	23004	11771649	4	Yes	No	725(4);750(3);875-114(6);875-181(6);875-308(6);875-46(6)
LTE 2100 66		67086	280	Yes	310	410	310.410.313.100	10	AT&T	6	3078	208151319	4	Yes	No	650(3);975(3);5330(1);5780(2);9820(4)
LTE 2300 30		9820	299	No	310	410	310.410.313.100	10	AT&T	26	3078	208154007	4	Yes	No	
LTE 700 17	12	5780	280	Yes	310	410	310.410.313.100	10	AT&T	6	3078	208151312	2	Yes	No	650(3);975(3);5330(1);5780(2);9820(4);67086(5)

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.

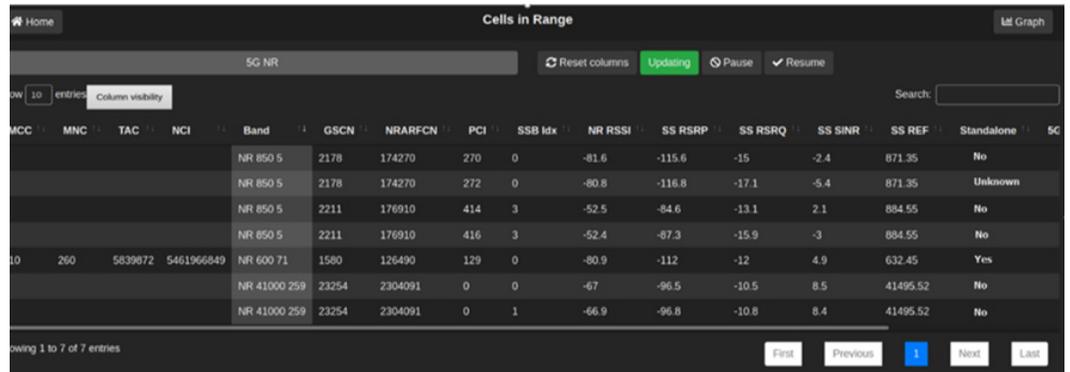


Activate "Cell Overlay" to illuminate the spectrum occupied by active cells, making it easier to track what's happening in your RF landscape.



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.



MCC	MNC	TAC	NCI	Band	GSCN	NRARFCN	PCI	SSB Idx	NR RSSI	SS RSRP	SS RSRQ	SS SINR	SS REF	Standalone	5G
				NR 850 5	2178	174270	270	0	-81.6	-115.6	-15	-2.4	871.35	No	
				NR 850 5	2178	174270	272	0	-80.8	-116.8	-17.1	-5.4	871.35	Unknown	
				NR 850 5	2211	176910	414	3	-52.5	-84.6	-13.1	2.1	884.55	No	
				NR 850 5	2211	176910	416	3	-52.4	-87.3	-15.9	-3	884.55	No	
10	260	5839872	5461960849	NR 600 71	1580	126490	129	0	-80.9	-112	-12	4.9	632.45	Yes	
				NR 41000 259	23254	2304091	0	0	-67	-96.5	-10.5	8.5	41495.52	No	
				NR 41000 259	23254	2304091	0	1	-66.9	-96.8	-10.8	8.4	41495.52	No	

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

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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