

SOOTHSAYER™

A powerful and scalable RF planning server for radio operators *and* engineers.

Accessible

Cross platform interfaces, including ATAK, with system templates for consistent accuracy via an open standards API. Minimal training bill to start planning.

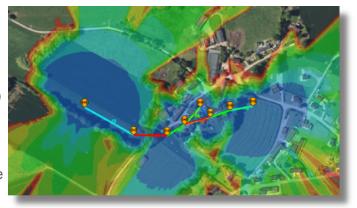
Powerful

GPU accelerated compute capable of serving multiple LAN users concurrently.

- 310 mile radius
- 120,000ft ceiling
- Model 1200 mile networks (Links & coverage)
- Monte Carlo "Best Site Analysis"

Accurate

Supports high resolution LiDAR, fully configurable land-cover data for vegetation, global buildings and custom clutter.







Model LiDAR and/or clutter at 1 metre resolution. 目命 CALIFORNIA.clt V Name.. Define clutter profiles for 18 classes of land Buildings 0.3 v dB/m mean attenuation cover and user defined materials to simulate Accurate Land cove seasons, vegetation, and urban developments. Import custom clutter to model obstacles. With GPU acceleration, model hundreds of nodes across a 1200Mi / 2000km network in one request. Multi-threaded CPU engine for processing thousands of links automatically. 4 # 6 My obstacles **Powerful** · One server, many clients Use the intuitive web interface from any web · Bandwidth efficient API Accessible browser on your network or run it directly from Edge processing without impacting WinTAK, our Google Earth layer or ATAK plugin. battery life for EUDs Disk encryption at rest · AES-XTS 256 disk cipher Transport encryption • TLS 1.3 SSL Secure SHA2 password hashing Manager and user accounts Point-to-multipoint Mature developers API, with over 10 years of Point-to-Point public testing as CloudRF.com for integration into Interference ΔΡΙ systems or customer tools with code examples · Best Server • Route / Multipoint analysis for popular languages and mapping libraries. Best Site Analysis (GPU) 3D web interface **Cross platform** for tablets, laptops, browsers. Google Earth interface Interface CloudRF.com and SOOTHSAYER interfaces are ATAK plugin the same to minimise training bill. WinTAK chatbot Frequency: 2MHz to 90GHz Define parameters for the transmitter, feeder, RF power: 1mW to 1MW antenna, receiver and local environment. Co-ordinates: DD,DMS,MGRS Input 120,000ft ceiling with a maximum radius of · Antenna azimuth(s), tilt, gain, front/back Custom antenna patterns 500km / 310Mi. Tx & Rx gains in dBi dB, SNR, dBm, RSRP, dBµV Bit Error Rate & Modulation Model uplink and/or downlink for different technologies with custom colour schemas. · Min resolution: 1m/3ft **Output** Define modulation schemes and bit error for Profile & Fresnel zone digital signals. Export outputs to open GIS Area efficiency & % • PNG, KML, KMZ, SHP, GeoTIFF, URL formats for third party viewers. ITM / Longley Rice (VHF / UHF) Empirical and deterministic. ITU-R P.525 (Reference) Environmental contexts and reliability margin. ITU-R P.529 (VHF / UHF) **Models** Line of sight, knife edge and multi-knife edge Okumura-Hata (Cellular) COST231-Hata (Cellular) diffraction (ITM). Egli (VHF / UHF) Supports VHF / UHF / SHF / EHF. Stanford Interim (Microwave)

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