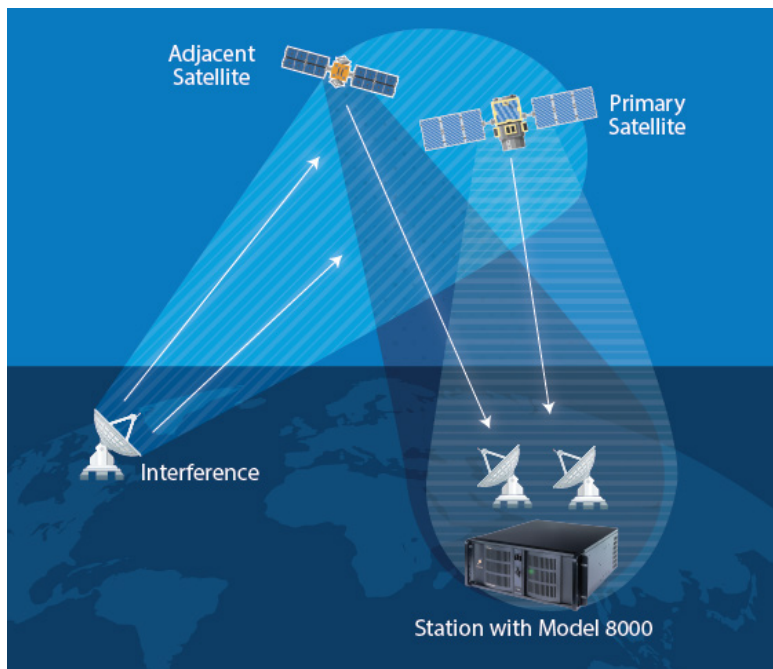


GEOLOCATION

The ST Engineering iDirect Model 8000 interference detection and geolocation system allows operators to view real-time spectra for the detection and characterization of interference. The Model 8000 seamlessly transitions from detecting the interference to geolocating the interference with the click of a button.

The Model 8000 geolocates transmit terminals quickly and accurately. It locates the interference by taking advantage of the weak replica of the signal that an adjacent satellite will receive. Downlinks for the primary and adjacent satellite are acquired and analyzed to extract precision time difference and/or frequency difference information used for locating the interference signal.



Key Features

- ◆ Built-in interference detection and spectrum monitoring in a single enclosure
- ◆ Geolocate interference in four guided steps
- ◆ Unparalleled geolocation accuracy with either a single or multiple references
- ◆ Centralized database for the storing of carrier monitoring and geolocation system parameters, measurement results and additional data for analysis
- ◆ Sig-Catcher™ for the acquisition and geolocation of fast-sweeping and frequency hopping signals
- ◆ Advanced Error Correction (AEC™) for errors in satellite ephemeris
- ◆ Automated adjacent satellite selection
- ◆ Effective across multiple satellite bands (L, C, X, Ku and Ka)