SNYPER-IoTS – Cellular and Satellite Network Analyzer

The Siretta SNYPER-IoTS is a portable cellular network analyzer capable of scanning both terrestrial (TN) and non-terrestrial (NTN) IoT networks. As connectivity expands from ground-based infrastructure to satellite systems, the SNYPER-IoTs helps engineers identify available networks, detect orbit type (LEO, MEO, and GEO) when available, and align antenna applications for optimal performance. Designed for installers, integrators, and field engineers, the SNYPER-IoTS can perform automated sequential surveys from a fixed location, logging each network's signal strength, cell details, and GNSS position. Multi-cycle surveys allow users to detect intermittent or unreliable cells and satellites, which traditional single-survey tools often fail to reveal. Beyond cellular analysis, the SNYPER-IoTS also supports GNSS mapping, allowing users to record latitude and longitude coordinates for every survey. When uploaded to the Siretta CloudSURVEY platform, these results can be plotted on an interactive map, visually showing survey locations, signal strength, and network performance.

Features

Global support for LTE Cat-M1, NB-IoT, and NTN-IoT networks Displays RSSI, RSRQ, RSRP, frequency band, network, and cell ID Orbit classification for LEO, MEO, and GEO satellites (when available) Graphical display with summary and trend results Export results as CSV or HTML reports Compatible with Siretta CloudSURVEY online analysis portal Supplied with a carry case and accessories

Applications

Site surveys for IoT, LTE-M, NB-IoT, and NTN IoT network planning Network qualification before IoT equipment deployment Antenna alignment and optimization for fixed or mobile devices Remote monitoring sites such as solar farms, utilities, and pipelines Smart city infrastructure: lighting, metering, and transport systems Asset tracking and logistics using terrestrial and satellite IoT GNSS mapping and validation in urban or obstructed environments

Notes: *This datasheet is based on publicly available information and may not be complete. For detailed specifications and technical documentation, contact Seco directly or consult their official website.*