



SNYPER-LTE Graphyte (USA)

4G/LTE & 3G/UMTS Signal Analyser & Datalogger with liveSCAN

General Description



The SNYPER-LTE Graphyte (USA) is a high performance, multi-language network signal analyser and cellular signal logger, dedicated to surveying and logging the 4G/LTE (USA) & 3G/UMTS North American networks.

The unit can be left to conduct sequential surveys in a fixed location and automatically save them. Three types of survey can be performed: a “FULL” survey (4G and 3G), 4G/LTE only & 3G/UMTS only.

SNYPER-LTE Graphyte (USA) can save multiple surveys each with different logging options. All survey results can be downloaded to a PC and displayed in a HTML graphical format to clearly show the logged detail over the survey session. This can identify unreliable base-stations & intermittent cellular service which is not possible with spot surveys. The full breakdown for the HTML summary graphs are displayed in corresponding CSV files.

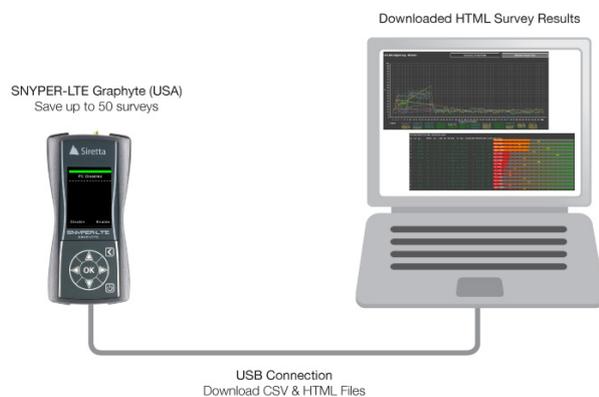
The SNYPER-LTE Graphyte (USA) also incorporates Siretta’s leading liveSCAN feature, which allows you to select a base-station signal immediately after a survey, conduct a liveSCAN logging session which can later be analysed in a CSV logged recording.

Features



Featured Applications

- » Enhanced cellular surveying & sequential logging of new and existing installations on 4G/3G networks
- » User selectable logging options to determine most reliable mobile operator
- » Evaluate MNO’s performance over time
- » Determine “hotspots” & assist with antenna alignment with liveSCAN
- » Results are reported in CSV & graphical HTML format
- » Save over 100 logged surveys with multiple liveSCAN logs





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General Features

- » 4 Supported Bands LTE:
B2 (1900), B4 (AWS1700), B5 (850), B12/B13 (700) MHz
- » 2 Supported Bands UMTS:
B2 (850), B2 (1900) MHz
- » Black antenna for 700MHz to 2300 MHz
- » Directional antenna for 3G and 4G coverage with 1.5m extension cable
- » Large easy to read LCD display
- » Logical menus and operation
- » Long life rechargeable battery
- » USB battery charger included
- » USB car charger included
- » Rugged and durable construction
- » Supplied in a hard carrycase
- » Multiple language support
(English/French/German/Italian/Spanish)
- » 3 result modes:
Standard/Advanced/Engineer
- » USB cables for PC connection and power

Interfaces

- » 1 x USB 2.0 FS (12 Mbits/s) for PC interface and for battery charging
- » 1 x SMA female cellular antenna connector
- » 1 x SIM card reader (push-push) 3V, 1.8V
- » Red LED charging indicator
- » Display: 2.4" Diagonal QVGA 240 x 320 RGB TFT with LED backlight
- » Display: 80 degree viewing angle
- » Display Brightness: 500md/m2

Power Supply

- » Mains Input: 100-240V 50/60Hz
- » Multi-region Heads: UK / EU /US / AU
- » Charger O/P: 5V DC 2000mA

Approvals and Compliance

- » FCC

Environmental

- » Dimensions
SNYPER: 141mm x 76mm x 36mm
Compact antenna: 78mm x 11mm
Directional antenna: : 167mm x 173mm x 27mm
- » Weight
Without antenna: 200 grams
With supplied compact antenna: 207 grams
- » Operating Temperature Range: -10 to +50 deg C
- » Storage Temperature Range: -20 to +50 deg C
- » Operating Humidity Range: 20 to 85% RH Non-condensing
- » Battery: Lithium Ion 3.7V, 2000mAh
- » Life: 48 hours based on 20 surveys /day at room temperature with auto power off enabled

Reporting

Survey Logging

- » Select survey sessions from 1 to 500 sequential recorded surveys
- » Select back-to-back or time lapsed sequential survey recording
- » Calculate seen percentages and signal averages for entire surveyed session

HTML Reporting

- » Graphical display ordered by signal strength
- » Complete summary breakdown for all recorded cells
- » Recorded survey date and time
- » Integrated mapping portal enabled (registration required)

CSV Reporting

- » Complete survey breakdown for each recorded cell

liveSCAN Reporting

- » Real-time graphical display on SNYPER screen
- » Highlight cellular hotspots and optimised antenna alignment using real-time graph peaks for selected network

liveSCAN Logging

- » Record timestamped liveSCAN readings in real time directly to CSV file
- » Recorded time elapsed and signal strength in percentage, RSSI and dBm for chosen cell site