Siretta
Enabling Industrial IoT

SNYPER-LTE Graphyte (USA) V1/V2
4G/LTE & 3G/UMTS Signal Analyser & Datalogger with liveSCAN

liveSCAN
77%   AV:75%

* Neither SNYPER-LTE Graphyte (USA) V1 nor SNYPER-LTE Graphyte (USA) V2 require a SIM in order to function.

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.

The SNYPER-LTE Graphyte (USA) is compatible with Siretta's CloudSURVEY integrated mapping portal (registration required).
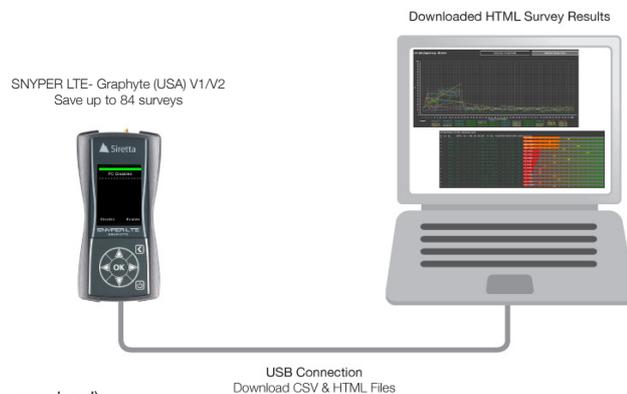
Features

3G UMTS	**4G** LTE	**NA** Coverage

USB Power	**USB** Serial	**HTML** Reports	**CSV** Reports	**LOG** Surveys	**LIVE** SCAN Logs	**AUTO** SAVE Logs	**RTC** Timestamp	**MAP** Portal
TFT Display	**2Ah** Battery	**Win** Linux/Mac	**MNO** Summary	**SAVE** 84 Surveys	**MULTI** Language	**SCAN** Realtime	**P2P** Alignment	**-10** +50 deg C

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

» CSV & graphical HTML survey reports

» Saves up to 84 single cycle surveys

» Saves LiveSCAN logs

» Integrated Mapping Portal enabled (registration required)

Downloaded HTML Survey Results

SNYPER LTE- Graphyte (USA) V1/V2
Save up to 84 surveys

USB Connection
Download CSV & HTML Files

Rev 1.2

General Features

- » SNYPER-LTE Graphyte (USA) V1
  - » 2 Supported Bands UMTS/HSPA+:
    B5(850) / B2(1900)
  - » 4 Supported Bands LTE (MHz):
    B12-B13(700) / B5(850) / B4(1700) /
    B2(1900)
- » SNYPER-LTE Graphyte (USA) V2
  - » 3 Supported Bands UMTS/HSPA+ (MHz):
    B5(850) / B4(1700) / B2(1900)
  - » 8 Supported Bands LTE (MHz):
    B71(600) / B12-B13(700) / B14(700) /
    B5(850) / B4(1700) / B66(1700) / B2(1900)
- » Black antenna for 700MHz to 2300MHz
- » 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

Approvals and Compliance

- » FCC

Power Supply

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

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

SNYPER-LTE Graphyte (USA) V1/V2
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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

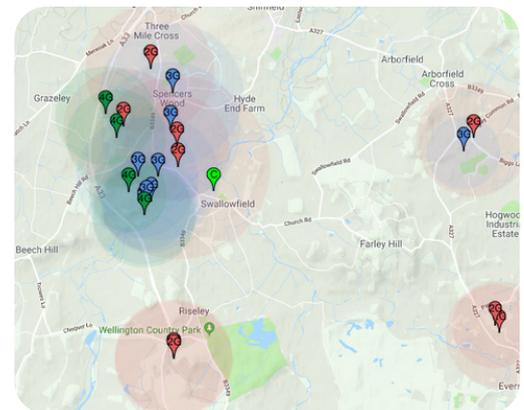» Complete survey breakdown for each recorded cell

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

Integrated mapping portal (registration required)

Portable carrycase

Ordering Information

» SNYPER-LTE Graphyte (USA) V1: Stock Code: 60740
» SNYPER-LTE Graphyte (USA) V2: Stock Code: 61196

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