



SNYPER-LTE Graphyte (EU)

4G/LTE, 3G/UMTS & 2G/GSM Signal Analyser & Datalogger with liveSCAN



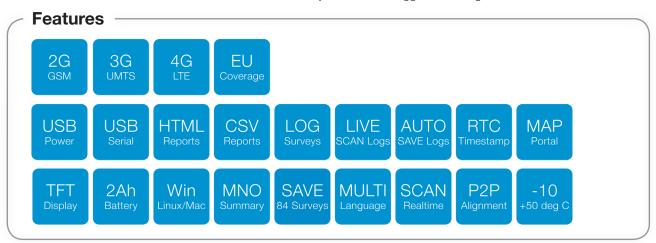
General Description

The SNYPER-LTE Graphyte (EU) is a high performance, multi-language network signal analyser and cellular signal logger, dedicated to surveying and logging the 4G/LTE (EU), 3G/UMTS & 2G/GSM European networks.

The unit can be left to conduct sequential surveys in a fixed location and automatically save them. Four types of survey can be performed: a "FULL" survey (4G, 3G and 2G), 4G/LTE only, 3G/UMTS only & 2G/GSM only.

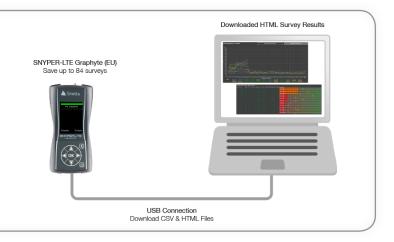
SNYPER-LTE Graphyte (EU) can save multiple surveys each with different logging options. All survey results can be downloaded to a PC and displayed in a HTML graphical format to clearly show the logged detail over the survey session. This can identify unreliable base-stations & intermittent cellular service 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 (EU) 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.



Featured Applications

- » Enhanced cellular surveying & sequential logging of new and existing installations on 4G/3G/2G 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
- » Saves up to 84 single cycle surveys
- » Saves LiveSCAN logs



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General Features

- 5 Supported Bands LTE B1 (2100)/B3 (1800)/B7 (2600)/B8 (900)/B20 (800) MHz
- » 2 Supported Bands UMTS/HSPA+ B8 (900)/B1 (2100) MHz
- » 2 Supported Bands GSM | GPRS B8 (900)/B3 (1800) MHz
- » Black antenna for 700MHz to 2300MHz
- » Grey antenna for 2600MHz
- » Directional antenna with 1.5m extension cable
- » Large easy to read LCD display
- » Logical menus and operation
- » Long life rechargeable battery
- » USB cable for PC connection and power/charging
- » 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

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

» CE

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 Noncondensing
- » 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

(see User Manual for multi-cycle survey storage)

- » 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
- » CloudSURVEY enabled: Survey Storage and Mapping Portal (registration required)

CSV Reporting

» Complete survey breakdown for each recorded cell

liveSCAN Reporting and Logging

- » Real-time graphical display on SNYPER screen
- » Highlight cellular hotspots and optimised antenna alignment using real-time graph peaks for selected network
- » Record timestamped liveSCAN readings in real time directly to CSV file

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Recorded time elapsed and signal strength in percentage, RSSI and dBm for chosen cell site

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