



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.

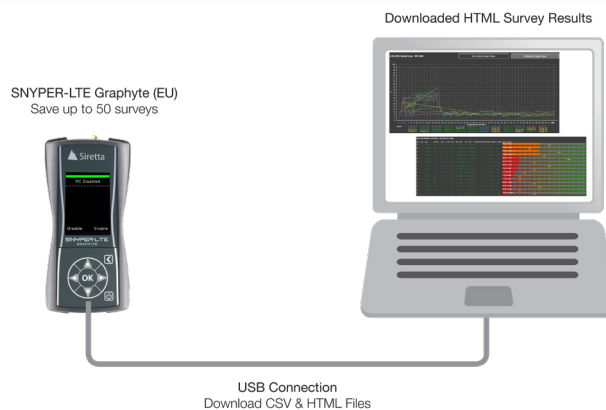
The SNYPER-LTE Graphyte (EU) also incorporates Siretta's leading liveSCAN feature, which allows you to select a base-station signal immediately after a survey, conduct a liveSCAN logging session which can later be analysed in a CSV logged recording.

Features

2G GSM	3G UMTS	4G LTE	EU 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 50 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/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
- » Save over 100 logged surveys with multiple 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 2300 MHz
- » Grey antenna for 2600MHz
- » Directional antenna for 2G, 3G, 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

- » 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 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