



SNYPER-IoT Graphyte (GL)

LTE-M, NB-IoT, & 2G/GSM Signal Analyser & Datalogger

General Description



The SNYPER-IoT Graphyte (GL) is a high performance, multi-language network signal analyser and cellular signal logger, dedicated to surveying the LTE-M, NB-IoT & 2G/GSM 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 (LTE-M, NB-IoT and 2G), LTE-M only, NB-IoT only & 2G/GSM only.

Network operator, signal strength and other unique cell parameters are measured and recorded with every survey cycle. Surveys can be chosen to be a single cycle or multiple cycles. Multi-cycle surveys can identify unreliable base-stations & intermittent cellular service which is not possible with single surveys.

SNYPER-IoT Graphyte (GL) can typically save 10,000 single cycle surveys onto the internal solid-state memory! Results may be downloaded using a USB-C connection to a PC in CSV or HTML formats. This allows users to analyse the collected cell data in a spreadsheet or a web browser to make informed decisions.

The powerful SNYPER-IoT Graphyte (GL) summary page displays the relative signal levels and operators of all the cells discovered allowing the user to determine most suitable mobile network operator available.

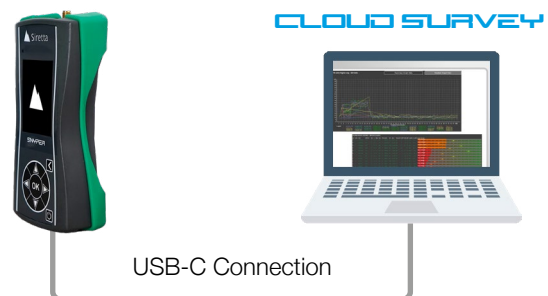
The SNYPER-IoT Graphyte (GL) can also be used to help establish optimum antenna placement and perform local site surveys.

Features



Featured Applications

- » Enhanced cellular surveying of new and existing installations on LTE-M, NB-IoT & 2G/GSM.
- » Establish most suitable network operator for the application.
- » Determine optimum antenna placement.
- » Evaluate the "preferred" network operators performance.
- » Results are reported in CSV & graphical HTML format.





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General Features

- » 18 Supported Bands LTE-M (MHz):
 - » B1 (2100) / B2 (1900) / B3 (1800) / B4 (1700) / B5 (850) / B8 (900) / B12 (700) / B13 (700) / B14 (700) / B18 (850) / B19 (850) / B20 (800) / B25 (1900) / B26 (850) / B27 (800) / B28 (700) / B66 (1700) / B85 (700)
- » 17 Supported Bands NB-IoT (MHz):
 - » B1 (2100) / B2 (1900) / B3 (1800) / B4 (1700) / B5 (850) / B8 (900) / B12 (700) / B13 (700) / B18 (850) / B19 (850) / B20 (800) / B25 (1900) / B26 (850) / B28 (700) / B66 (1700) / B71 (600) / B85 (700)
- » 4 Supported Bands GSM / EGPRS (MHz):
 - » B2 (1900) / B3 (1800) / B5 (850) / B8 (900)
- » View signal strength and cell parameters
- » 480 x 640 colour TFT display
- » Logical menus and operation
- » Long life rechargeable battery
- » USB-C cable for PC connection and power/charging
- » USB-C download of device results to PC
- » Rugged and durable construction
- » Integrated belt clip
- » Supplied with a hard carrycase for device and accessories:
- » Multiple language support
- » (English/French/German/Italian/Spanish)

Interfaces

- » 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 VGA 480 x 640 RGB TFT with LED backlight
- » Display: 80 degree viewing angle
- » Display Brightness: 700 cd/m²

Recommended Power Supply

- » Mains Input: 100-240V 50/60Hz
- » USB A Charger O/P: 5V DC 2000mA

Supplied Accessories

- » Antenna (600 MHz - 3800 MHz)
- » Male USB-A to Female USB-C adaptor

- » 2 M USB-C 2.0 for PC interface and for battery charging
- » Mini Tripod
- » Mounting Adaptor for Mini Tripod
- » LiveSCAN Antenna
- » 1.5m LiveSCAN Low Loss cable

Environmental

Dimensions

- » SNYPER: 141mm x 76mm x 36mm
- » Weight without antenna: 243 grams
- » Operating Temperature Range: -10 to +60 deg C
- » Operating Humidity Range: 25 to 85% RH Non-condensing
- » Battery: Sufficient for a 12 hour continuous survey (typical)

Reporting

HTML Reporting

- » Graphical display ordered by signal strength
- » Complete summary breakdown for all recorded cells
- » Recorded survey date and time
- » Access to Siretta's [CloudSURVEY](#) portal for storing and viewing surveys (Registration Required)

CSV Reporting

- » Complete survey breakdown for each recorded cell
- » Spreadsheet format allows for easy analysis

Approvals and Compliance

- » UKCA
- » CE
- » FCC
- » RoHS

Model Available

SNYPER-IoT Graphyte (GL) Network Signal Analyser
& Data Logger with Accessories and Hard Carry Case:

Stock Code: 62097