Siretta
Enabling Industrial IoT

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.
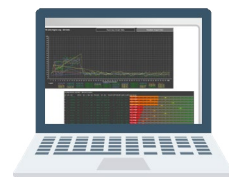
Features

2G GSM	**4.3Ah** Battery	**AUTO** Setup	**Tripod** Clip	**CSV** Reports
Cloud SURVEY	**GEAR** Accessories	**HARD** Carry Case	**HTML** Reports	**Infinite** Surveys
LIVE SCAN Logs	**LOG** Surveys	**LTE** NB-IoT	**MNO** Summary	**MULTI** Language
P2P Alignment	**RTC** Timestamp	**SCAN** Realtime	**SIM** Free	**TFT** Display
USB C Connector	**USB** Power	**Win** Linux/Mac	**WW** Global	**LTE** M

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.

CLOUD SURVEY

USB-C Connection

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: 700md/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**