Siretta
Enabling Industrial IoT

SNYPER-5G Graphyte (GL)

5G NR, 4G LTE, LTE-M, NB-IoT, & 2G/GSM Signal Analyser & Datalogger



General Description

The SNYPER-5G Graphyte (GL) is a high performance, multi-language network signal analyser and cellular signal logger, dedicated to surveying the 5G NR, 4G LTE, 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 (5G NR, 4G LTE), 5G NR only & 4G LTE only. Full surveys can also be performed with (LTE-M, NB-IoT and 2G), LTE-M only, NB-IoT only & 2G/GSM only (not simultaneously).

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-5G Graphyte (GL) can save up to a minimum of 100,000 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-5G 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.

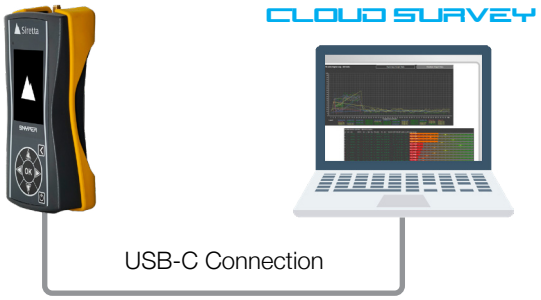
The SNYPER-5G Graphyte (GL) can also be used to help establish optimum antenna placement and perform local site surveys.

Features

- 2G GSM
- 3.7ah Battery
- 4G LTE
- 5G New Radio
- AUTO SAVE Logs
- Belt Clip
- CSV Reports
- Cloud SURVEY
- GEAR Accessories
- HARD Carry Case
- HTML Reports
- Infinite Surveys
- LIVE SCAN Logs
- LOG Surveys
- LTE Cat M
- LTE NB IoT
- MAP Portal
- MNO Summary
- MULTI Language
- P2P Alignment
- RTC Timestamp
- SCAN Realtime
- USB C Connector
- USB Power
- SIM Free
- TFT Display
- Win Linux/Mac
- WW Global

Featured Applications

- Enhanced cellular surveying of new and existing installations on 5G NR, 4G LTE, LTE-M, NB-IoT & 2G/GSM.
- Establish most suitable network operator for the application.
- Evaluate the “preferred” network operators performance.
- Determine optimum antenna placement.
- Results are reported in CSV & graphical HTML format.



Registered in England No. 08405712
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General Features

- 28 Supported Bands 5G NR (MHz):
  - n1 (2100) / n2 (1900) / n3 (1800) / n5 (850) / n7 (2600) / n8 (900) / n12 (700) / n13 (700) / n14 (700) / n18 (850) / n20 (800) / n25 (1900) / n26 (850) / n28 (700) / n29 (700) / n30 (2300) / n38 (2600) / n40 (2300) / n41 (2500) / n48 (3500) / n66 (1700) / n70 (2000) / n71 (600) / n75 (1500) / n76 (1500) / n77 (3700) / n78 (3500) / n79 (4700)
- 31 Supported Bands 4G LTE (MHz):
  - B1 (2100) / B2 (1900) / B3 (1800) / B4 (1700) / B5 (850) / B7 (2600) / B8 (900) / B12 (700) / B13 (700) / B14 (700) / B17 (700) / B18 (850) / B19 (850) / B20 (800) / B25 (1900) / B26 (850) / B28 (700) / B29 (700) / B30 (2300) / B32 (1500) / B34 (2000) / B38 (2600) / B39 (1900) / B40 (2300) / B41 (2500) / B42 (3500) B43 (3700) / B46 (5200) / B48 (3500) / B66 (1700) / B71 (600)
- 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

- 2 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

Environmental

Dimensions

- SNYPER: 141mm x 76mm x 36mm
- Weight without antenna: 227 grams
- Operating Temperature Range: -20 to +60 deg C
- Storage Temperature Range: -20 to +25 deg C *
- Operating Humidity Range: 20 to 85% RH Non-condensing
- Battery: Lithium Ion 3.7V, 3700mAh

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

Supplied Accessories

- 2 x Antenna (600 MHz - 3800 MHz)
- 2 m USB-C 2.0 for PC interface and for battery charging
- Male USB-A to Female USB-C adaptor
- Mini Tripod
- Belt Clip Mounting Adaptor for Mini Tripod
- LiveSCAN Antenna
- 1.5m LiveSCAN Low Loss cable

*for maximum battery life

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Recommended Power Supply

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

Approvals and Compliance

» UKCA
» CE
» FCC
» RoHS

Model Available

SNYPER-5G Graphyte (GL) Network Signal Analyser & Data Logger with Accessories and Hard Carry Case:

Stock Code: **62096**

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Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Siretta:

ASMG025D11311 QUARTZ-GOLD-W21-5G (GL) WITH ACCESSORIES TANGO14/3M/SMAM/S/S/22
ASMA500F058L13 ASMZG300A058L13 DELTA6B/X/SMAM/RP/S/11 ECHO40/0.1M/uFL/S/S/32
OSCAR17/X/TNC/S/S/19 DELTA45/X/SMAM/RP/S/35
SNYPER-LTE SPECTRUM + LIVESCAN ANTENNA KIT ZETA-N-LTE(EU) STARTER KIT
DELTA5A/x/TNCM/S/S/17 QUARTZ-LITE-DUAL-12-LTE(EU)+ACC ECHO44/0.1M/UFL/36
QUARTZ-GOLD-GW21-LTE4(EU) + ACC ALPHA3A/0.4M/FMEF/S/S/26 ALPHA8/1M/SMAM/S/S/11
ASMG010X113S17 DELTA25/X/SMAM/S/RA/35 DELTA40/X/SMAM/S/S/32 ECHO27/0.1M/IPEX/S/S/15
ASMA010X174S11 ASMA1000C058L13 ASMA500C058L13 DELTA41/X/SMAM/S/S/32
QUARTZ-COMPACT-G11-LTE(EU) + ACC QUARTZ-LITE-21-UMTS(EU) + ACC ZETA-N-LTE(EU)
OSCAR20/5M/SMAM/S/S/15 ALPHA40/5M/SMAM/S/S/29