Siretta

Enabling Industrial IoT

SNYPER-5G Graphyte (GL)
5G NR, 4G LTE, LTE-M, NB-IoT, & 2G/GSM Signal Analyser & Datalogger

General Description

Surveying all network technologies, except for 5G NSA cells, does not need a SIM card. However, due to the specific way 5G NSA operates, a valid 5G SIM card is required. The SNYPER device will then display the 5G NSA cells of the network that the SIM card operates on.

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 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-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	**4.3Ah** Battery	**4G** LTE	**5G** New Radio	**AUTO** SAVE Logs	**Tripod** Clip	**CSV** Reports	**Cloud** SURVEY	**GEAR** Accessories	**HARD** Carry Case	**HTML** Reports
Infinite Surveys	**LIVE** SCAN Logs	**LOG** Surveys	**LTE** M	**LTE** NB-IoT	**MAP** Portal	**MNO** Summary	**MULTI** Language	**P2P** Alignment	**RTC** Timestamp	**SCAN** Realtime
USB C Connector	**USB** Power	**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.

CLOUD SURVEY

USB-C Connection
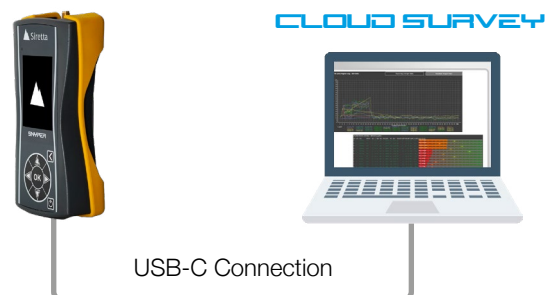
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General Features

» 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: 253 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

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
» Mounting Adaptor for Mini Tripod
» LiveSCAN Antenna
» 1.5m LiveSCAN Low Loss cable

SNYPER-5G Graphyte (GL)
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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

» VCCI

» RCM

Model Available

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

Stock Code: **62096**