Siretta
Enabling Industrial IoT

SNYPER-LTEM (GL)

4G/LTE Cat M, LTE NB IoT, & 2G/GSM Signal Analyser

General Description

The SNYPER-LTEM (GL) is a high performance, multi-language network signal analyser, dedicated to surveying the 4G/LTE Cat M (GL), LTE NB IoT* & 2G/GSM networks**. Signal strength and cell parameters can be detected on LTE Cat M and on 2G/GSM*. The SNYPER-LTEM (GL) comes in a robust carry case with an antenna, a USB cable and power accessories.

SNYPER-LTEM (GL) can save one survey. Results can be downloaded to a PC and displayed in CSV format or HTML graphical format, allowing users to analyse the data and make informed decisions.

The powerful SNYPER-LTEM (GL) summary page displays percentage thresholds to determine most suitable mobile network operator available and the performance of a "preferred" MNO can be evaluated against the other networks. The SNYPER-LTEM (GL) can also be used to help establish optimum antenna placement and perform local site surveys.

*LTE NB IoT networks do not currently provide signal strength levels for cell sites.

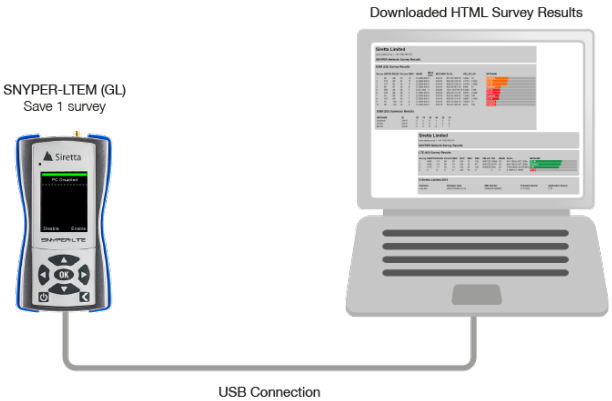
**SNYPER-LTEM (GL) does not require a SIM in order to function.

Features

- 2G GSM
- LTE M
- LTE NB-IoT
- GL Coverage
- USB Power
- USB Serial
- HTML Reports
- CSV Reports
- MAP Portal
- RTC Timestamp
- GEAR Accessories
- HARD Carry Case
- TFT Display
- 2Ah Battery
- Win Linux/Mac
- MNO Summary
- SAVE 1 Survey
- MULTI Language
- -10 +50 deg C
- P2P Alignment
- SIM Free

Featured Applications

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



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General Features

- 13 Supported Bands LTE (MHz):
  B1 (2100) / B2 (1900) / B3(1800) / B4 (AWS 1700) /
  B5 (850) / B8 (900) / B12 (700) / B13 (700) / B18 (850)/
  B19 (850) / B20 (800) / B26 (850) / B28 (700)
- 4 Supported Bands GSM / GPRS (MHz):
  B2 (1900) / B3 (1800) / B5 (850) / B8 (900) MHz
- View LTE Cat M and 2G/GSM signal strength and cell parameters
- View NB IoT cell parameters
- Blue antenna for 700MHz to 2300MHz
- Large easy to read LCD display
- Logical menus and operation
- Long life rechargeable battery
- USB cable for PC connection and power/charging
- USB download of device results to PC
- Rugged and durable construction
- Supplied in a hard carrycase
- Multiple language support
  (English/French/German/Italian/Spanish)
- 3 result modes:
  Standard/Advanced/Engineer

Interfaces

- 1 x 0.5m 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

Environmental

- Dimensions
  SNYPER: 141mm x 76mm x 36mm
  Compact antenna: 78mm x 11mm
- 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
- Warm-up Time: 2s

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

- CE
- FCC

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