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, a USB car charger 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.
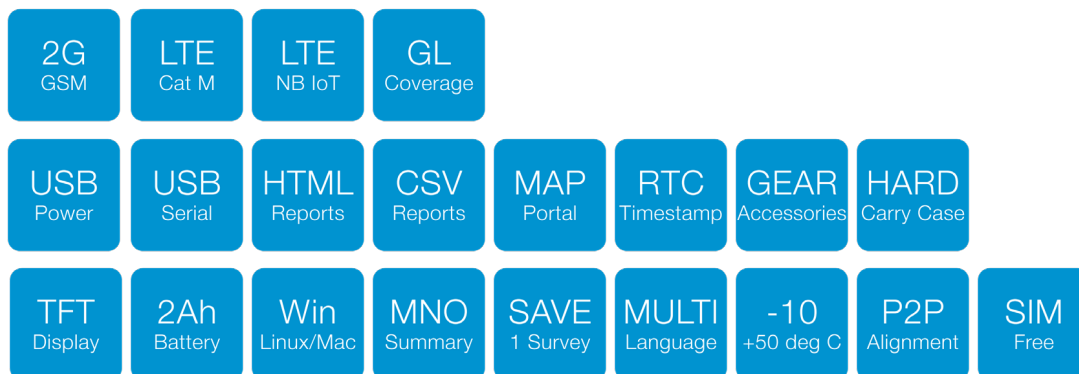
The powerful SNYPER-LTEM (GL) summary page displays percentage thresholds to determine most suitable mobile network operator available and the performance of a "preferred" MNO can be evaluated against the other networks. The SNYPER-LTEM (GL) can also be used to help establish optimum antenna placement 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** Cat 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 operator for application

» Evaluate your "preferred" MNO's performance

» Determine optimum antenna placement

» Results are reported in CSV & graphical HTML format

Downloaded HTML Survey Results

SNYPER-LTEM (GL)
Save 1 survey

USB Connection

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 (800)/ B19 (800) / 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 car charger included
- » 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