ELECTRONICS & DEFENSE

EVALUATION TOOLS

- **PCIe card with communication and power cable**
- **USB adapter with communication and power cable**
- **Break-out card**
- **PC software**
- **User manual**
- **Measurement data access**
- **Full device configuration capability**
- **Data log to file for up to two devices at the same time**

PCIe card

Signal break-out card

USB cable

The STIM series evaluation tools offer easy measurement and configuration access for STIM gyro modules and IMUs. The tools support data sampling at alternative rates, graphical data presentation and data log to file for up to two gyro modules/ IMUs in parallel. RS422 interface for PCIe or USB, necessary cabling and PC software are included in the kits.

STIM EVK PCI

The *STIM EVK PCI* kit is the preferred solution for thorough device characterizing. The PCI kit contains a PCIe card and a communication & power cable, and supports all device transmission bit rates.

STIM EVK USB

The *STIM EVK USB* kit with USB connectivity provides an easy setup for a laptop or PC with access to measurement and device configuration. The kit includes a USB to RS422 adapter and a communication & power cable.

STIM SIGNAL BREAK-OUT CARD

The *STIM Break-out card* enables easy access to individual signals, voltages and current consumption of all pins in the STIM connector. This tool can be helpful analysing signals, e.g., with an oscilloscope or logic analyzer.

Readable parameters

- Part number
- Serial number
- Firmware revision
- Hardware revision

Configurable parameters

- Datagram type/ content
- Sample rate
- Filter bandwidth
- Gyro output unit
- Accelerometer and inclinometer output units (for IMUs only)
- RS422 transmission bit rate
- Line and datagram termination

Diagnostics information

Detailed diagnostics information can be accessed, including RAM and flash checks, stack handling checks, status of internal voltage supply references and various parameter reports for each measurement axis.

Additional information

- The communication and power cable for STIM210 and IMUs has electrical break out pins for External trigger
- Additional communication and power cables, PCIe cards and USB cables are available
- Kits do not include the gyro module or IMU
- Windows 10, XP, Vista and 7 (32/64 bit) supported
- Time of Validity (TOV), external trigger and AUX input functionality are not supported by the evaluation software

ORDERING INFORMATION

Product	Order code	For product
STIM202 USB kit	83879	STIM202
STIM202 PCIe kit	84441	STIM202
STIM USB kit	84439	STIM210, STIM277H, STIM300, STIM377H, STIM318, STIM320, STIM380H
STIM PCIe kit	84438	STIM210, STIM277H, STIM300, STIM377H, STIM318, STIM320, STIM380H
STIM PCI/PCIe cable	84265	STIM210, STIM277H, STIM300, STIM377H, STIM318, STIM320, STIM380H
Break-out board	85186	STIM210, STIM277H, STIM300, STIM377H, STIM318, STIM320, STIM380H

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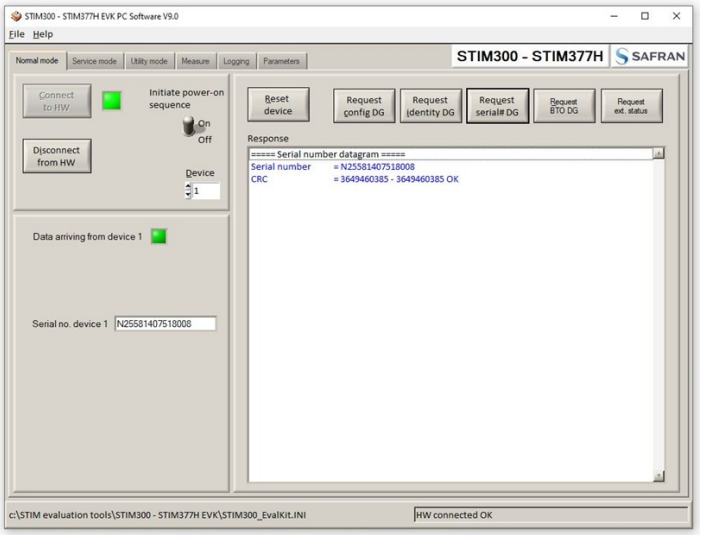
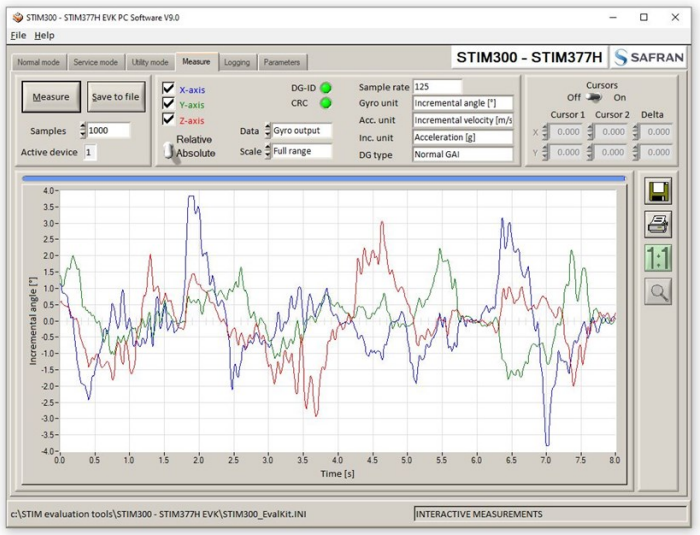
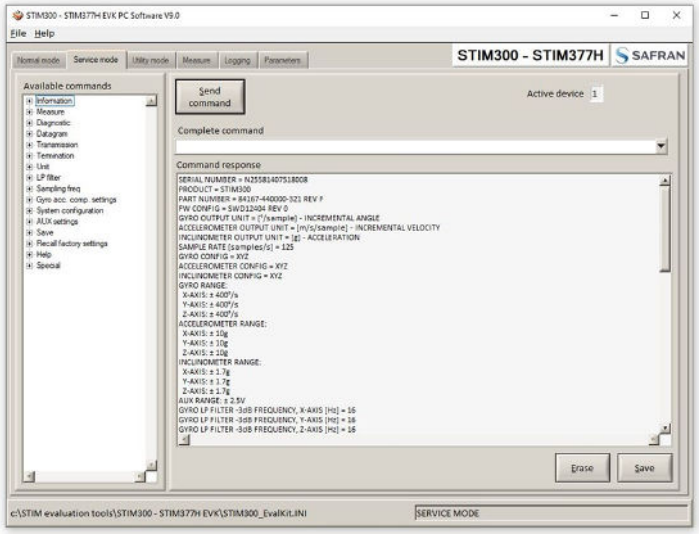
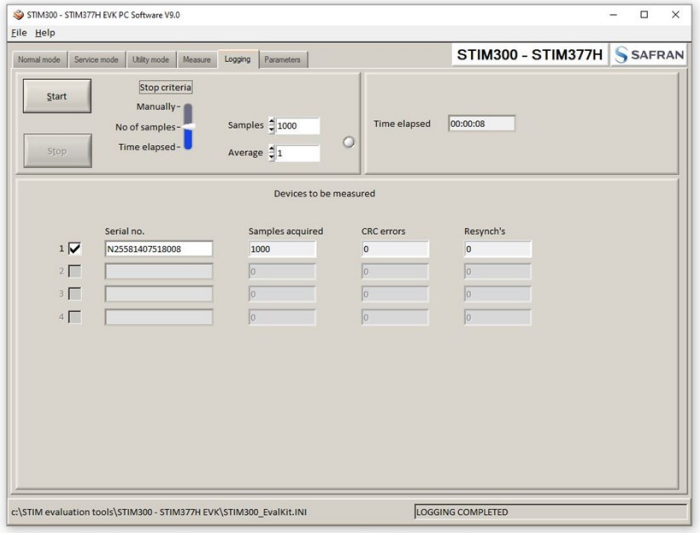
STIM GYRO MODULE AND IMU EVALUATION KITS

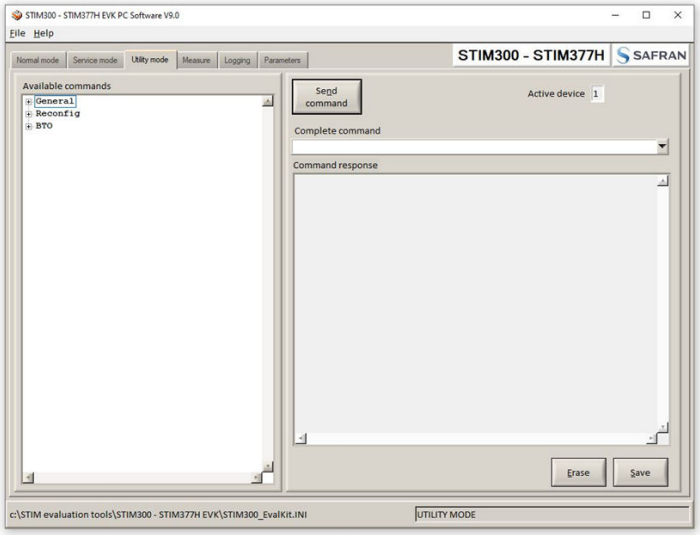
SOFTWARE PRINT SCREENS (EXAMPLES ARE SHOWN FOR STIM300-STIM377H EVK)

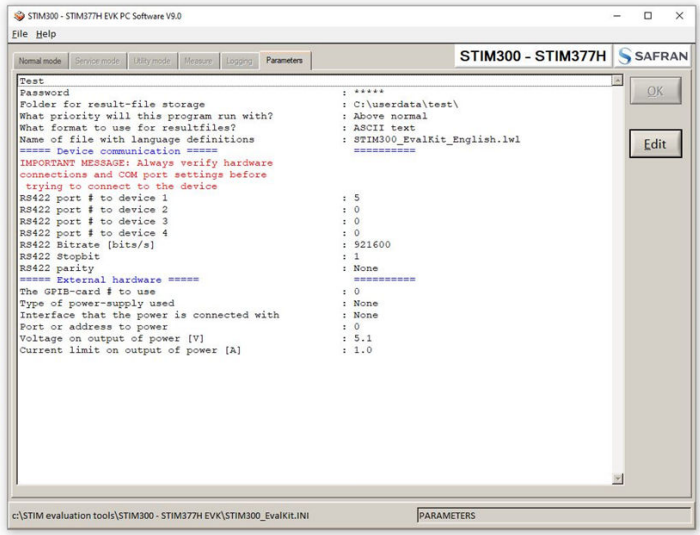












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Safran Sensing Technologies Norway AS sales@sensonor.com safran-sensing-technologies.com

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