



Programmable signal environment generator for ES/EA system calibration, performance evaluation, and operator training.

QSY-2 supports 64 simultaneous tactical comms nets, each net having up to 8 members.

Signal scenarios can be created using the included Scenario Generation Tool and loaded on the QSY-2 using the **HTNet**[®] software application.

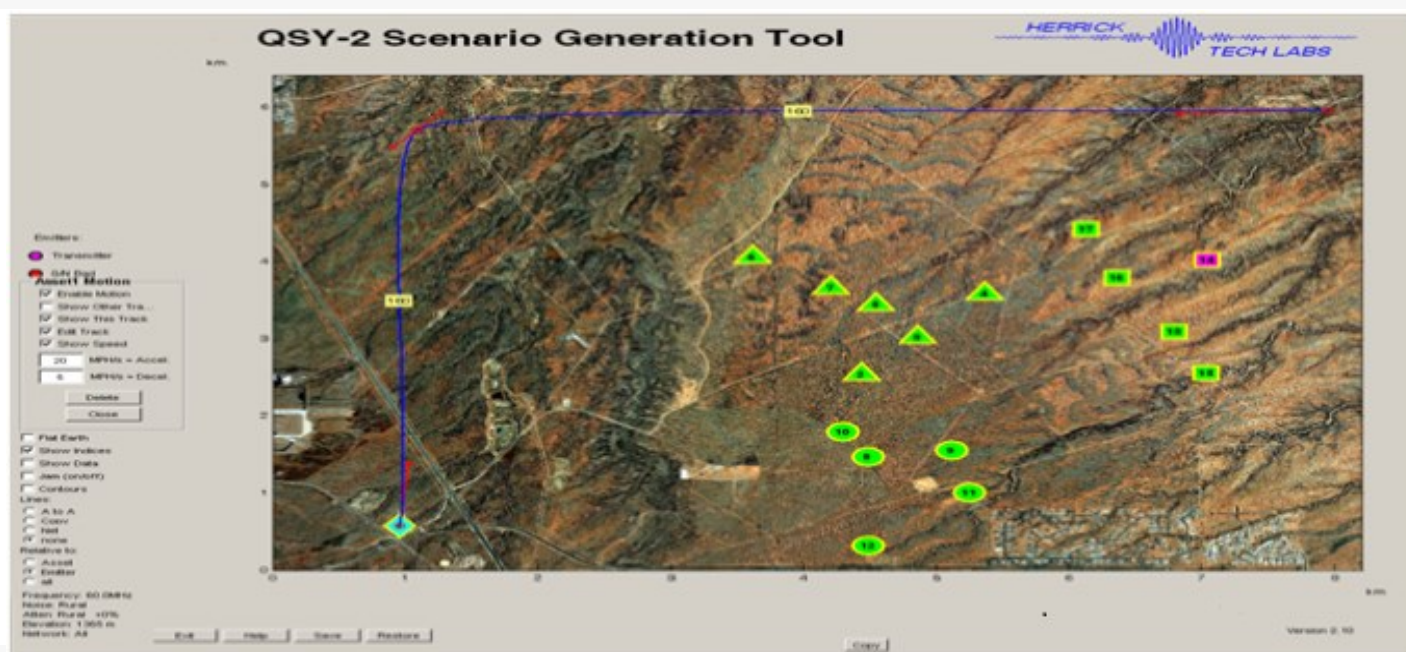
4 programmable beamformer outputs support DF antenna array simulation so each emitter can have an assigned line-of-bearing.

QSY-2 Features

- Real time RF emulation of dozens of combat net radio networks
 - Up to 8 emitters/net
 - Longley-Rice terrain dependent path loss
 - Independent control per emitter
 - Antenna type/ERP
 - Frequency Set
 - Multipath (Amplitude vs. frequency profile)
 - FSK baud rate & deviation
 - LOB
 - Supports moving emitters and sensors
- Programmable beamformer outputs support DF:
 - Mode 1/Mode 0
 - Omni + Beamformer sin + Beamformer cos
- Standalone Operation

QSY-2 Operation

- ◆ Generates fixed frequency or frequency agile signals
- ◆ Agile period, dwell, and frequency sets are configurable via network connection
- ◆ Supports BFSK modulation (pseudorandom sequence bit streams or reversals with baud rate and frequency shift programmable by network)
- ◆ Simulates Push-To-Talk key-ups at random intervals
- ◆ Signal scenarios can be created using the included *Scenario Generation Tool* software application. Eight different scenarios can be downloaded to QSY-2's internal flash memory and then easily accessed by the "Mode" knob on the front panel during operation.



QSY-2 Specifications

- ◆ Frequency Range: 20 MHz to 90 MHz
- ◆ Supports 64 tactical nets
- ◆ Programmable beamformers:
 - ◆ Mode 1/0
 - ◆ Omni-Sine-Cos

QSY-2 Physical Parameters

- ◆ Size (In): (l) 16.0 (w) 7.5 (h) 6.5
- ◆ Weight: 20 lbs
- ◆ Operating Temperature: 0° to 50° C

The QSY-2 System Includes:

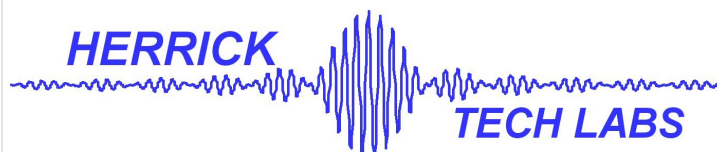
- ◆ One QSY-2 (Model HTL-2100-0001) with transit case
- ◆ Laptop Computer
- ◆ Operators Manual
- ◆ 1 Year Warranty (parts and labor)

Delivery

- ◆ Four months ARO

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Improvements are always happening - Above specifications are subject to change without notice.