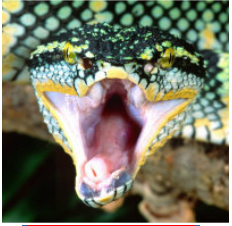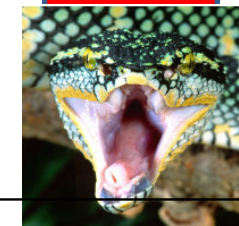# FSK Application Demo

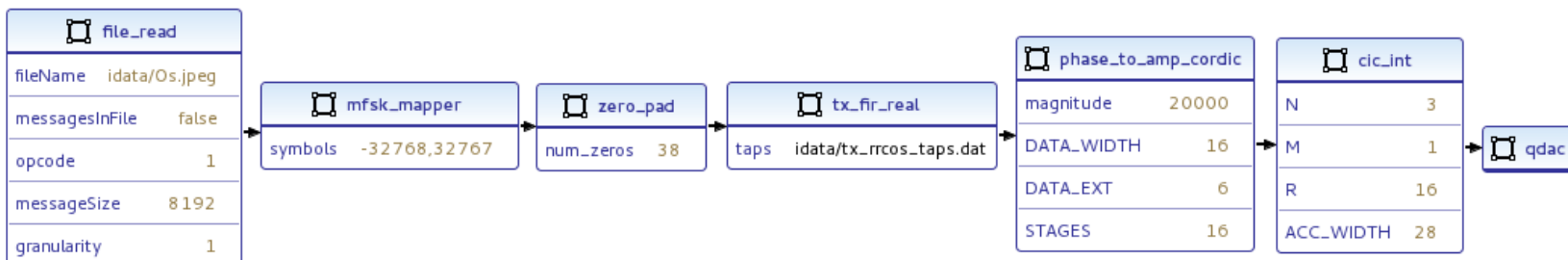# OpenCPI Reference Applications

- Two reference RF applications are included as part of the OpenCPI 1.4 release:
    1. rx_app – a program used to stream timestamped samples to file
    2. FSK – a FSK modulator/demodulator. Supports FPGA internal loopback and RF (tx,rx,txrx).
- Located in the ocpi.assets project
- Target the Matchstiq-Z1 platform
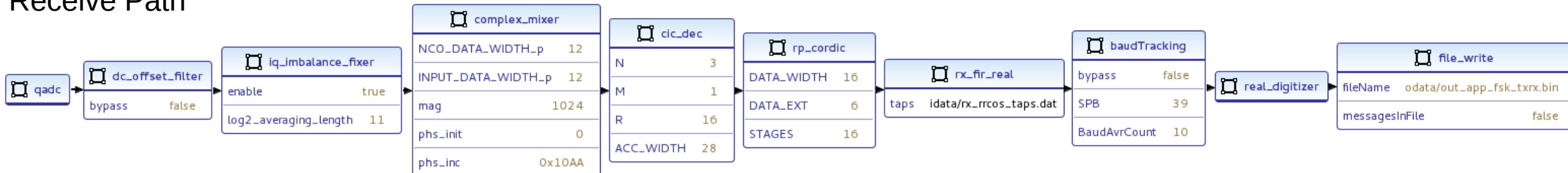- Include documentation on building and testing
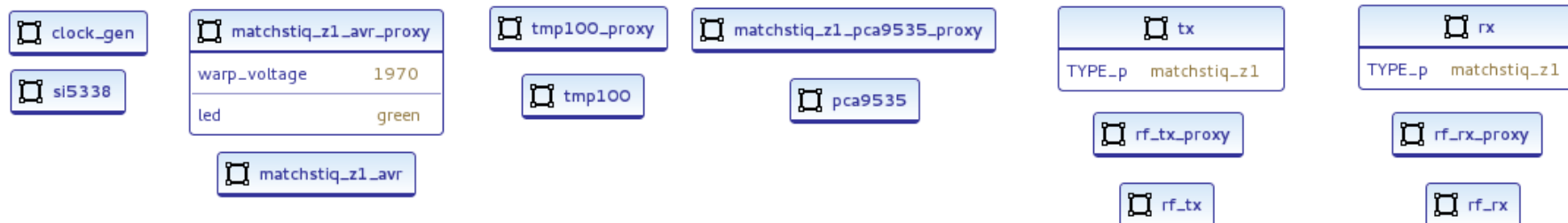
FSK Reference Application (IDE View)
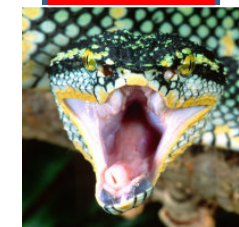
Transmit Path

Receive Path

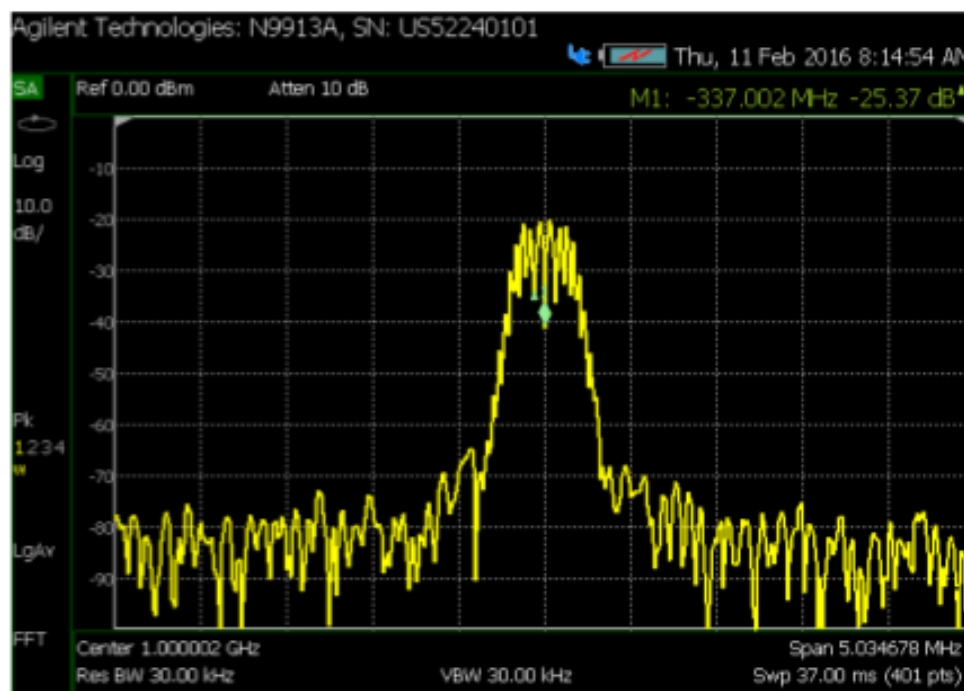## Board Support Package Components for TX/RX configuration

FSK Reference Application Expected Results

Input Data Image	**Transmit Spectrum**
Prepended with training sequence to aid with recovery	Centered at 1 GHz ~-25 dBM, Bandwidth: ~1 MHz