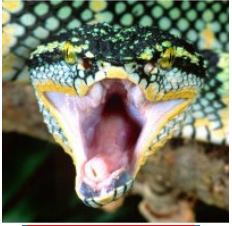


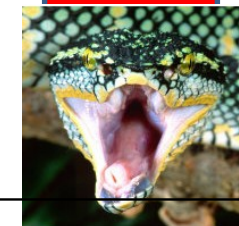
# FSK Application Demo

# OpenCPI Reference Applications

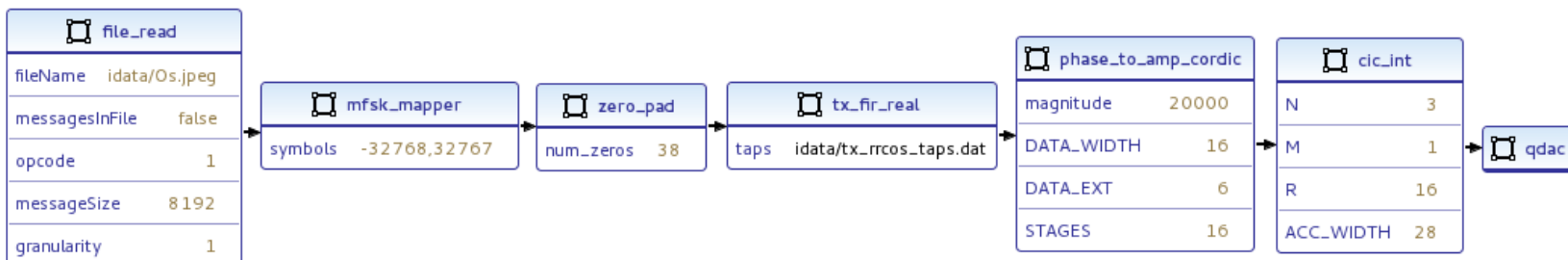


- Two reference RF applications are included as part of the OpenCPI 1.3 release:
  1. rx\_app – a program used to stream timestamped samples to file
  2. FSK – a FSK modulator/demodulator. FPGA internal loopback and RF (tx,rx,txrx)
- Located in the ocpi.assets project
- Target the Matchstiq-Z1 platform
- Include documentation on building and testing

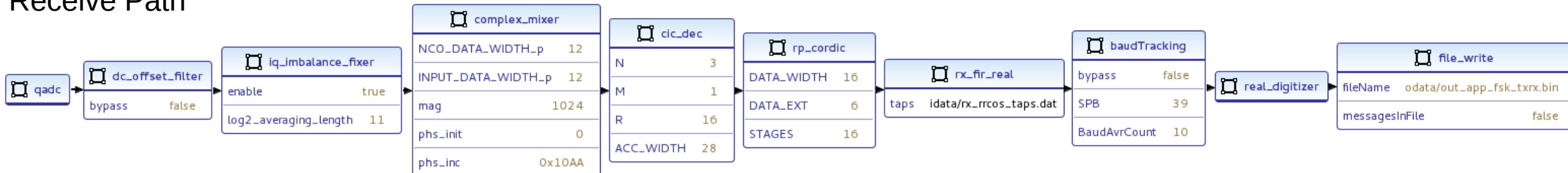
# FSK Reference Application (IDE View)



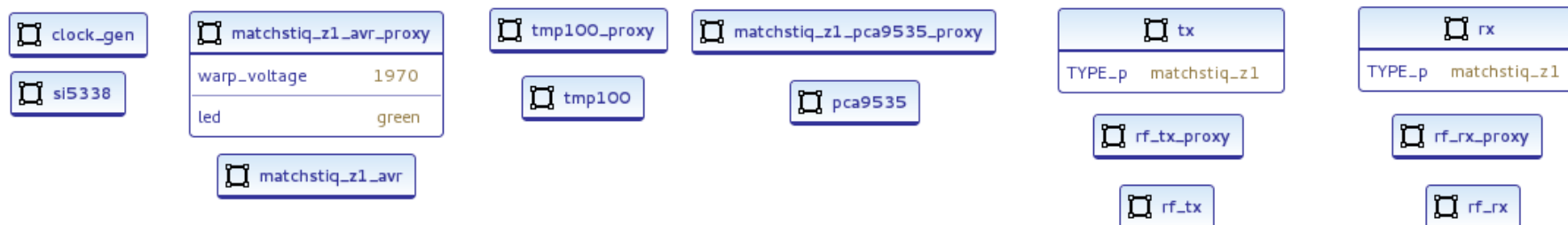
## Transmit Path



## Receive Path

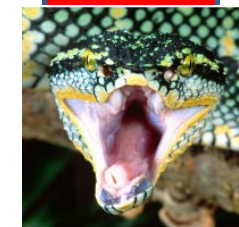


## Board Support Package Components for TX/RX configuration

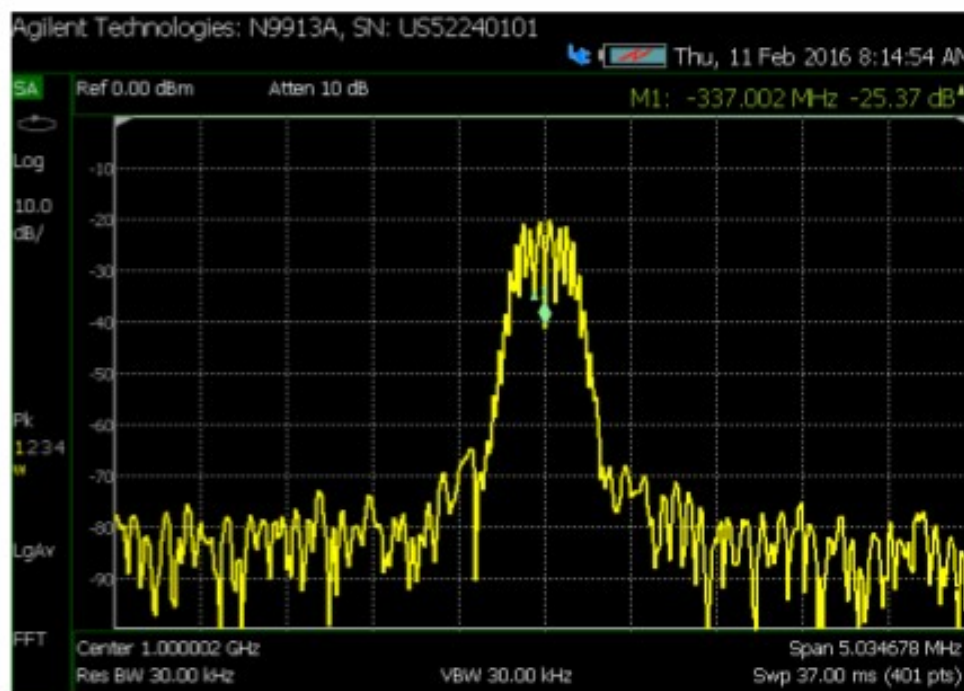


# FSK Reference Application

## Expected Results



Open  
CPI



**Input Data Image**  
Prepended with training  
sequence to aid with recovery

**Transmit Spectrum**  
Centered at 1 GHz  
~-25 dBm, Bandwidth: ~1 MHz