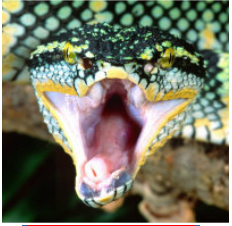


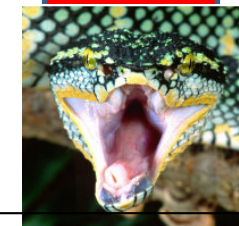
FSK Application Demo

OpenCPI Reference Applications

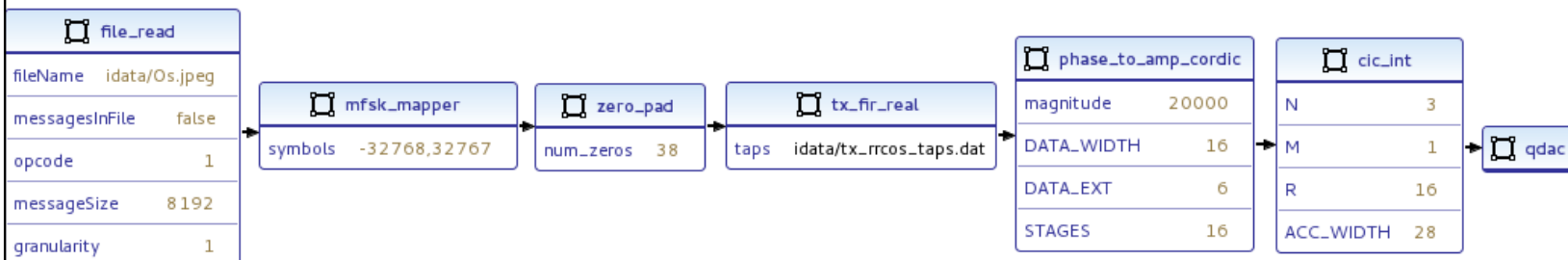


- Two reference RF applications are included as part of the OpenCPI v1.5 release:
 1. rx_app – a program used to stream timestamped samples to file
 2. FSK – a FSK modulator/demodulator. Supports FPGA internal loopback (filerw) and RF (tx,rx,txrx).
- Located in the ocpi.bsp_e310 project
- Target the Ettus E310 platform
- Include documentation on building and testing

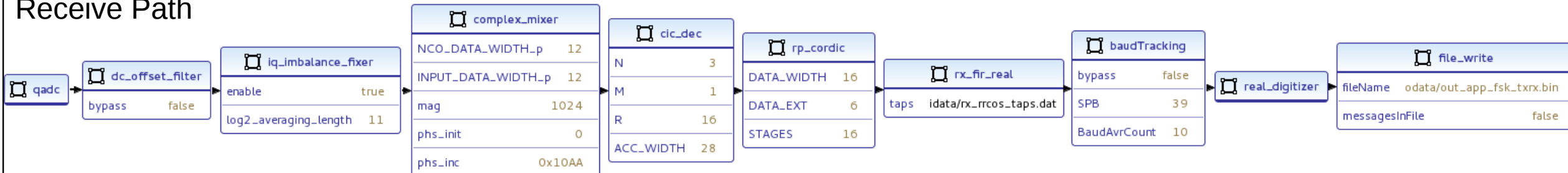
FSK Reference Application (IDE View)



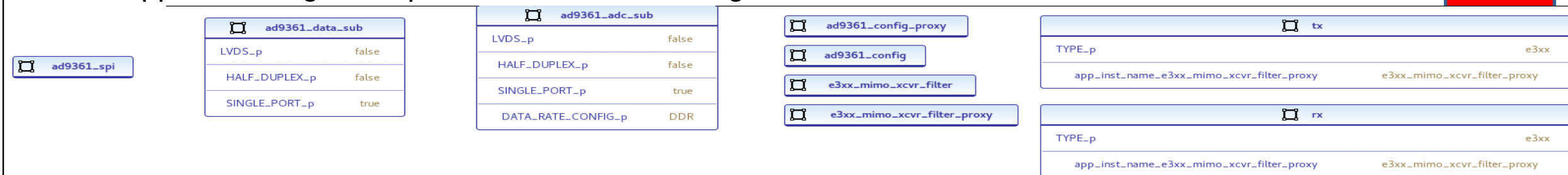
Transmit Path



Receive Path

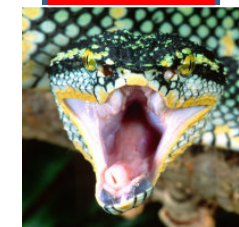


Board Support Package Components for TX/RX configuration

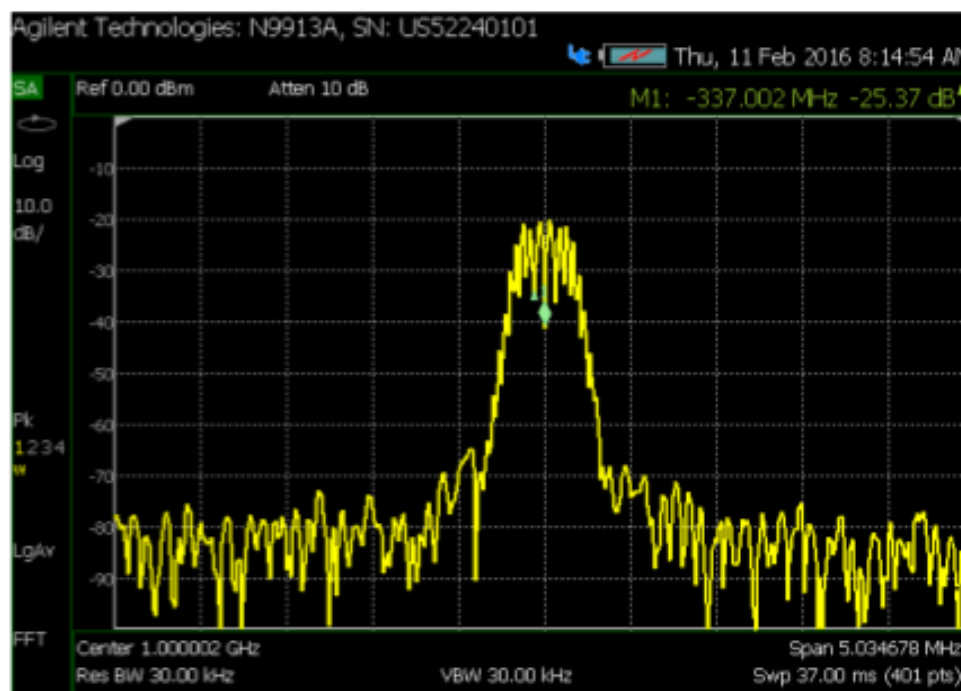


FSK Reference Application

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