

3D Visualization of Inphase and Quadrature (IQ) Data

Stephen Hamilton, KJ5HY and Chuck Suslowicz, KD2RQS

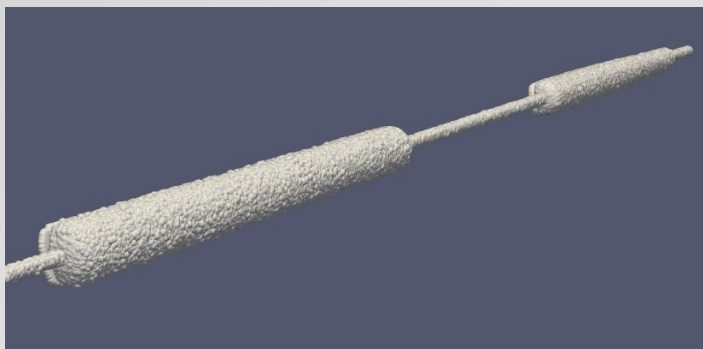


Fig 1: FM Voice, two transmissions recorded by the RTL-SDR



Fig 2: FM Voice, single transmission recorded by the Midwest Microwave Solutions SDR

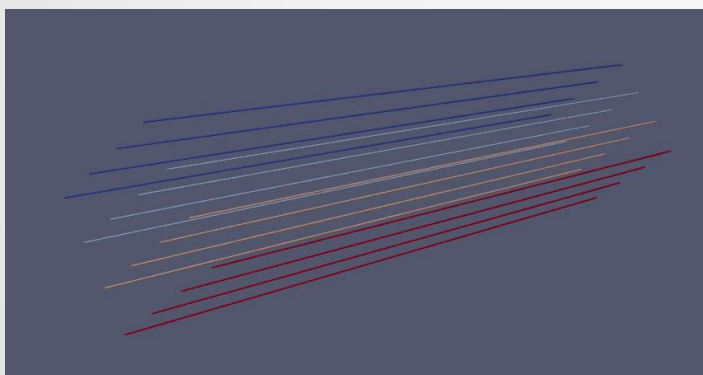


Fig 3: Generated QAM data from GNU Radio to a file sink



Fig 4: RTTY from FLDIGI transmitted using the Elecraft KX3 and received by the MMS using the Ham it up transverter

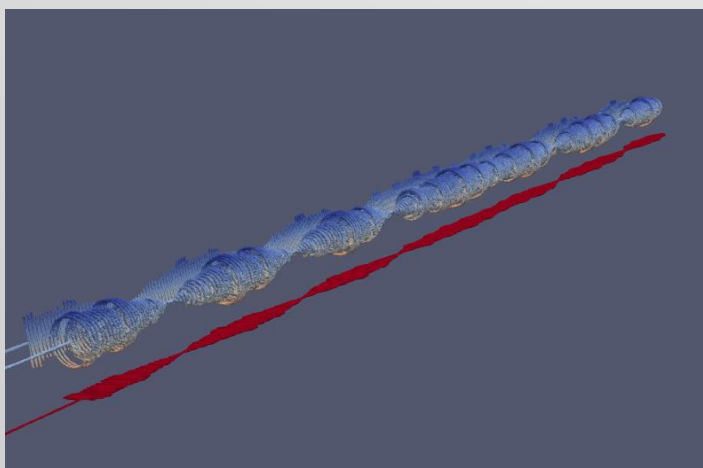


Fig 5: QPSK using the same setup as above with the addition of 2d projection of the I and Q data on the X and Y axis.