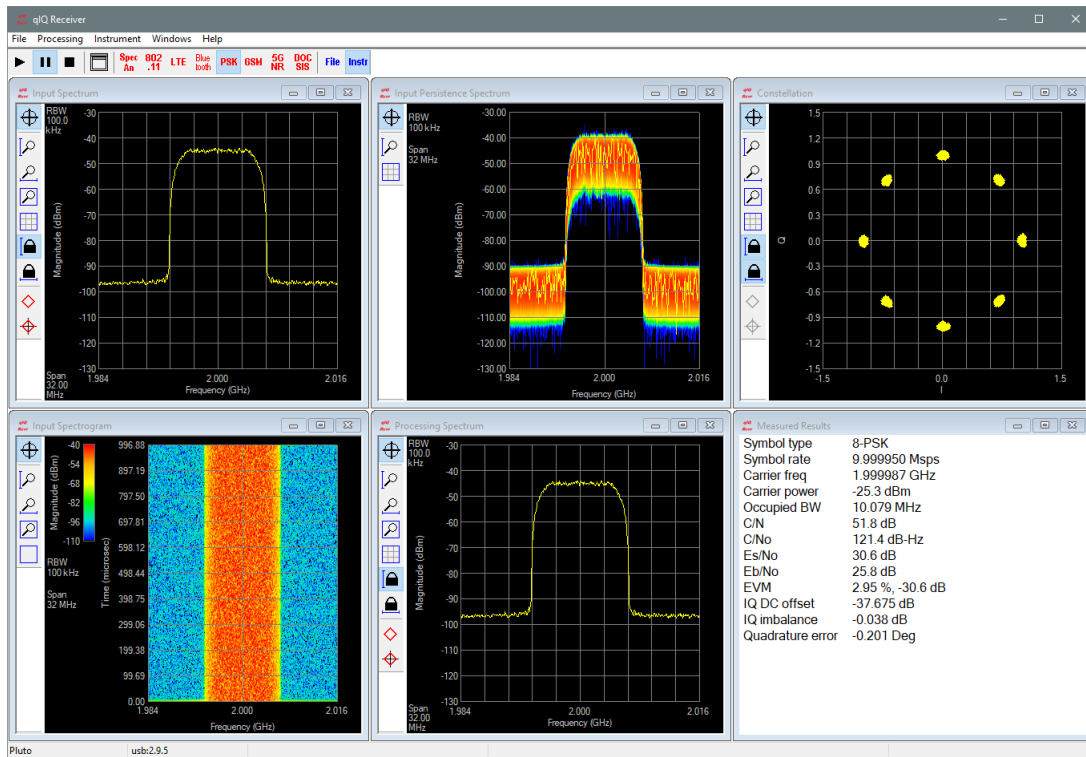


qIQ Receiver Data Sheet



An 8-PSK signal being received using Pluto.
The signal is being generated using a different Pluto.

qIQ Receiver is a Windows application which provides receive capability for evaluating signal quality for transceiver and direct sampling chips from Analog Devices.

Features

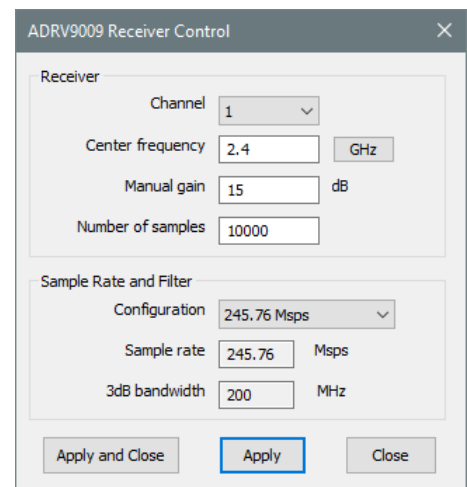
- Up and running quickly
- Simplified chip control
- Easy export of graphics for reports and presentations

Demodulation types

- PSK: BPSK, QPSK, 8-PSK
- QAM: 16-QAM, 64-QAM, 256-QAM
- 4G LTE, 5G NR: PUSCH
- DOCSIS 3.0: Uplink and downlink
- 802.11 a/q

Uses

Determine the signal quality, before you start a project



Evaluation of the effects from zero-IF architectures

Low-cost signal analyzer

PSK/QAM observed bit error rate testing

Chips supported

Transceiver chips

AD9361, AD9363, AD9364

AD9371

ADRV9009

Direct sampling chips

AD9081

AD9467

AD9680 / AD9144

AD9625 / AD9162

Evaluation boards supported

Transceivers

Pluto

FMCOMMS 3, 4

ADRV9361, ADRV9364

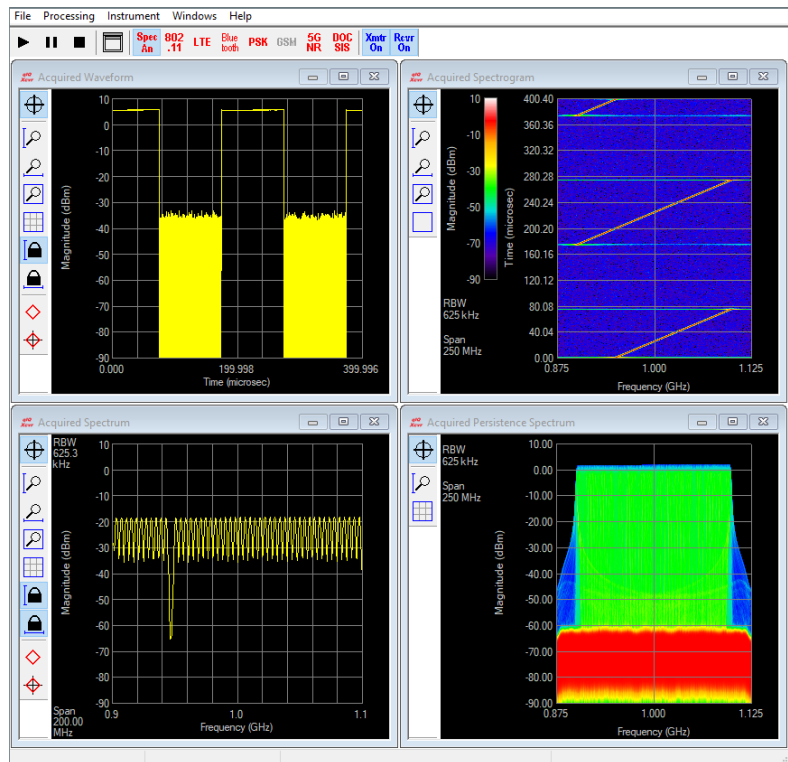
ADRV9009

Direct sampling

AD9081

FMCOMMS 11

FMC DAQ2



A

200 MHz chirp being received using an AD9081 board,
at a sample rate of 250 Msps.

Host boards supported

Zedboard

ZC706

ZCU102

Licenses

No activation code required for spectrum analysis

Base version provides PSK/QAM demodulation

Options:

5G NR

4G LTE

802.11a

Bluetooth

GSM

DOCSIS 3.0

One month or one year

No penalty restarts

More information

Website: <https://qiqsystems.com/solutions/products/receiver>
Pricing: <https://qiqsystems.com/pricing-and-licensing>
YouTube channel: QIQ Systems
Email: info@qiqsystems.com

qiq Receiver data sheet v1.1