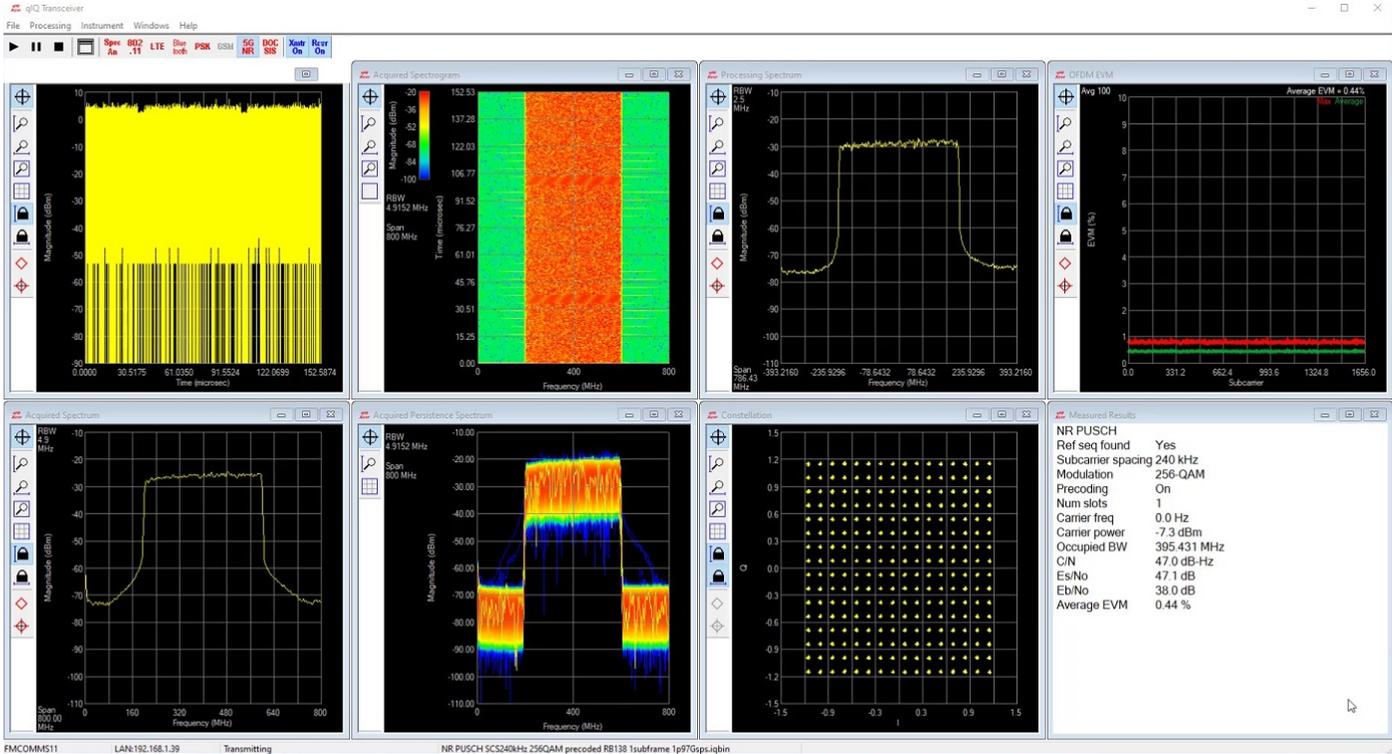


qIQ Transceiver Data Sheet



A 5G signal being transmitted and received using an FMCOMMS 11 board, at a sample rate of 1.96608 Gsps.

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

Features

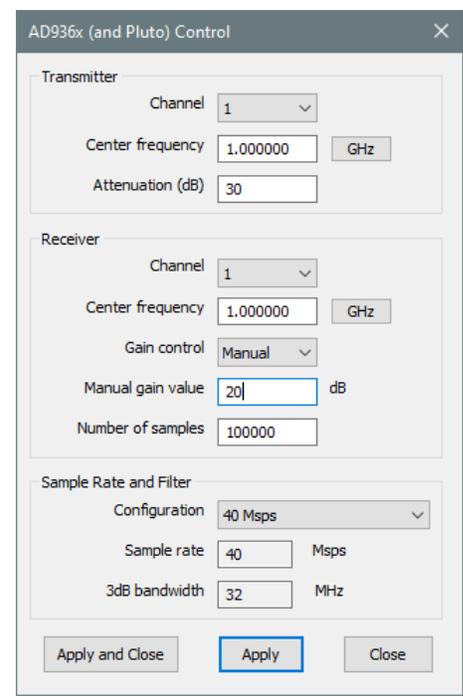
- Up and running quickly
- Simplified chip control
- Easy export of graphics for reports and presentations

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/g

Uses

- Determine the signal quality, before you start a project
- Evaluation of the effects from zero-IF architectures



Low-cost signal generator and 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

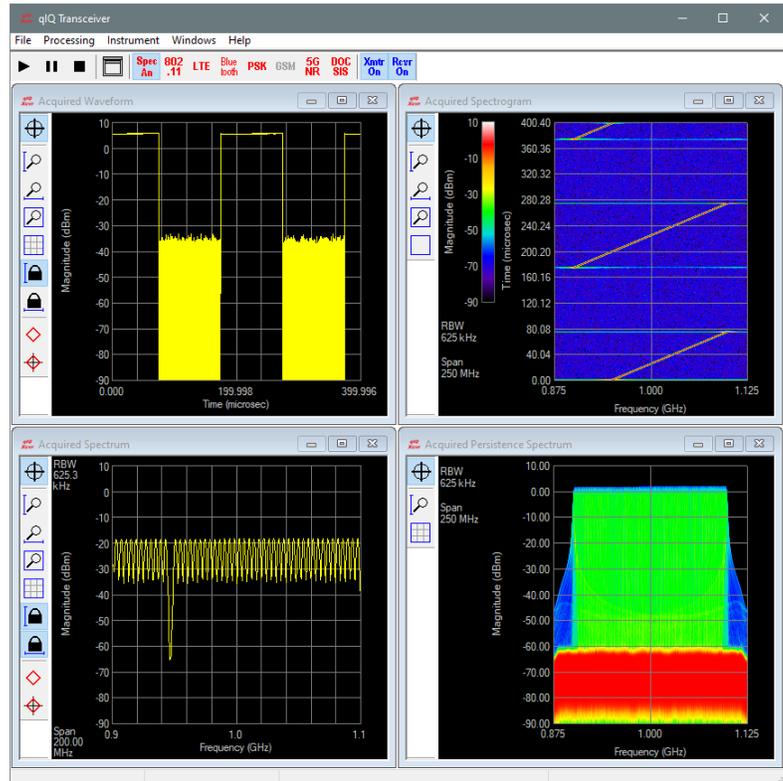
Evaluation boards supported

Transceivers

Pluto
FMCOMMS 3, 4
ADRV9361, ADRV9364
ADRV9009

Direct sampling

AD9081
FMCOMMS 11
FMC DAQ2



A

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

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/transceiver>

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

qiq Transceiver data sheet v1.1