



Open Application Development for Wireless Signal Analysis

It's now easier than ever to develop the kinds of powerful applications that the new generation of measurement-grade software-defined radio technology enables. Introducing PyRF, the openly available, comprehensive development framework for wireless signal analysis.



rich libraries, example applications and source code, all specific to the requirements of signal analysis. Your resulting applications may be commercialized and are interoperable with any acquisition device that supports the standard APIs for SCPI and VRT. PyRF handles the low-level details of **real-time acquisition, signal processing and visualization**, allowing you to concentrate on your analysis solutions

Develop Quickly

PyRF with Python is the ideal framework for rapid development of comprehensive wireless signal analysis applications.

Develop Openly

PyRF is openly available, allowing commercialization of solutions through BSD open licensing and offering device independence via standard hardware APIs.

Develop Powerfully

PyRF enables powerful wireless signal analysis solutions when combined with high-performance software-defined RF receivers such as the ThinkRF WSA platform.



PyRF source code offerings include

- Acquisition device control
- Signal processing blocks
- GUI visualization and controls
- Application examples

The ThinkRF Wireless Signals Intelligence Platform

ThinkRF provides the most cost-effective wireless signals intelligence platform to acquire, process and analyze any RF signals. This enables a wide range of R&D, OEM and government applications. The compact and powerful WSA5000 is a full-featured, software-defined RF receiver/digitizer/analyzer that easily integrates into your applications.

Apply wireless signals intelligence to satisfy your analysis requirements

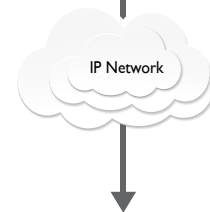
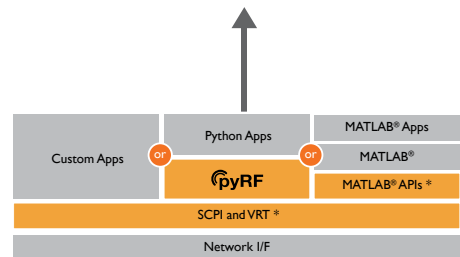
- Wireless R&D including cognitive radio, dynamic spectrum allocation and 4G
- Wideband data acquisition, spectrum monitoring and signals intelligence
- Wireless network optimization, troubleshooting and interference mitigation

Analyze your data with the choice of development environment that suits your requirements

- Freely available open-source examples, libraries, source and application programming interfaces.
- Application support via the standard SCPI/VRT network protocols, Python language and MATLAB® development environments.

Acquire RF data with measurement-grade accuracy using the most cost-effective platform on the market

- Integrated RF receiver, digitizer and analyzer with patented software-defined receiver technology
- 100 kHz to 20 GHz tuning with 100 MHz IBW and 100 GHz/s scan rate
- Real-time search and loss-less capture of signals of interest
- Stand-alone, remote and/or distributed deployment



There is simply no better way to go from concept to real-world, real-time field-deployable applications than to use the PyRF framework and easily integrate them onto the ThinkRF Platform. It's the fast, affordable and powerful wireless signals analysis solution.

Contact us today for more information on ThinkRF products, or the WSA5000 Wireless Signal and Spectrum Analysis Platform.

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