



Dual Channel Receiver (DCR) *Pulsed Radio Frequency Measurements*

Available for: Licensing, Collaboration

Key Words: Microwave, RF, Radar, Testing, Telecommunications, Down-converter, Frequency Measurements, Signal Analysis

The Innovation:

The **Dual Channel Receiver (DCR)** is a patented cost effective way of converting RF & microwave signals into a lower frequency that can be used to make high quality, accurate and repeatable RF/MW measurements on 2 port devices.

The DCR provides initial and recurring cost savings by replacing the complex network of devices currently used to fully characterizing RF/MW components in-system with a single instrument. It can be used in conjunction with other test equipment or as a deployable “one stop box” for a multitude of spectral and time domain measurements.

Currently used for a variety of test applications in support of the Navy’s Radar and EW microwave tube test systems, relationships are sought to exploit the tool’s use in other application areas.



Potential Markets:

Technical Readiness Level (TRL): 9

US Patent No: 7,058,377

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