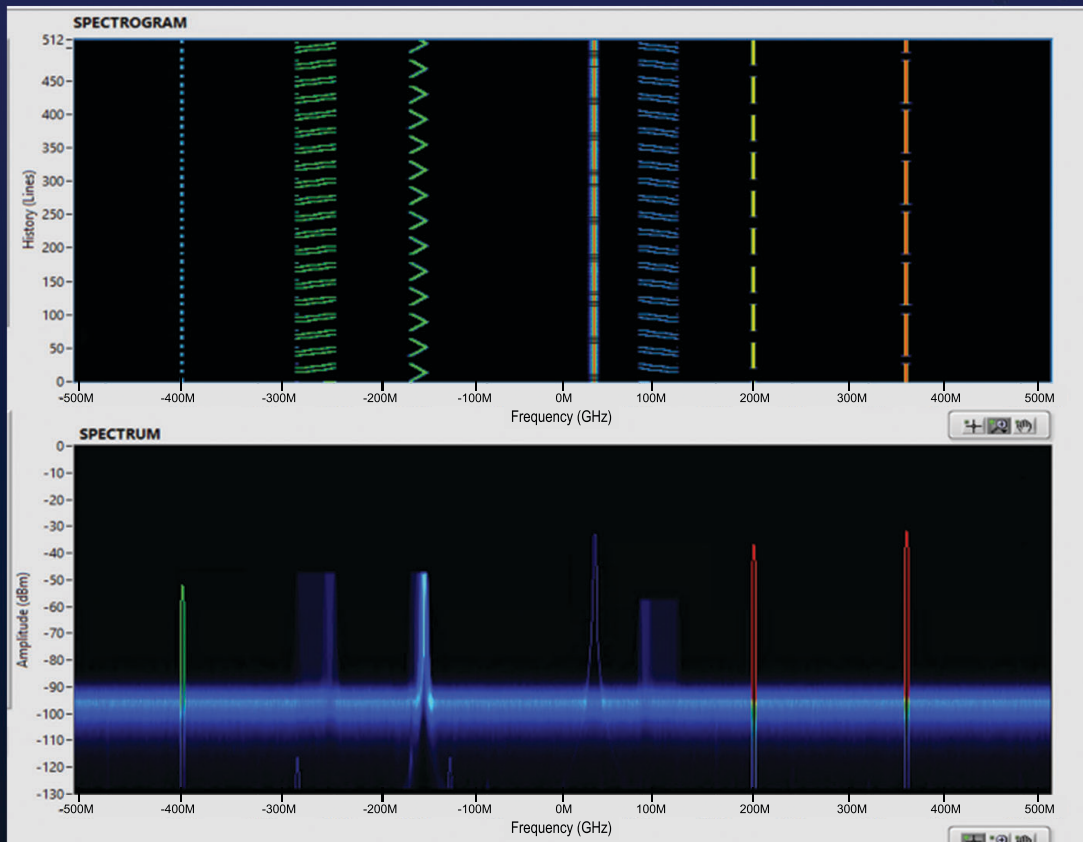




# Radar Pulse Generator



## Features

- **1, 2 or 4 GHz Instantaneous Bandwidth (IBW)**
- **Up to 8 Time-Concurrent Channels (i.e., IQ Streams) per FPGA/Signal Generator**
- **Wide Variety of Waveform Types**
  - Pulsed CW, Non-pulsed CW, LFM, BPSK, QPSK, ASK, QAM
  - Independent Pulse Width and Interval on each Emitter
- **Unintentional Modulation On Pulse (UMOP) Modeling**





# Radar Pulse Generator

## Overview

- **NI PXIe Based Platform for Radar/EW Test**
  - Leverages a Variety of NI FPGAs/VSTs/Upconverters
  - LabVIEW and LabVIEW FPGA Software Environment
- **Provides PDW to IQ Generation**
- **Multi-Emitter System**
  - Faster Simulation Setup
  - More Complex Scenario Testing
  - Ease of Changing Scenarios
- **Supports Multiple PDW Formats**
  - Simple, Built-In PDW Format
  - Industry Standard PDW Formats (e.g., NEWEG)
  - Custom PDW Formats
- **PDW Data Accessible via Stored Files, or Live Streaming**
- **Factory to Field Deployable**

*Rugged Transit Case -  
Watertight for Shipment*

*Keyboard/Mouse/Display*

*18 Slot NI PXI/PXIe Chassis  
with Embedded Controller*

*RF Transceivers (VST)  
& FPGA Coprocessors*

*Storage Drawer*

*UPS*

