



# Air Navigation & LS Signals Simulation & Analysis

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## Overview

The Air Navigation and LS Signals Simulation and Analysis application is intended for air navigation device test. The application allows engineers to test both signal transmitters (earth-based controller units) and signal receivers (aircraft's receiver units).

The application supports the following main air navigation signal types: marker beacons (with bearing angle), instrument landing system (ILS) localizer, ILS glide slope, and (D)VOR. These signals cover an aircraft's control during flight and landing.

System based on NI PXI Platform.

## Features

- (D)VOR Generation
- (D)VOR Analysis
- ILS Generation
- ILS Analysis
- Marker Beacons Generation
- Marker Beacons Analysis

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Rev. **0.1**



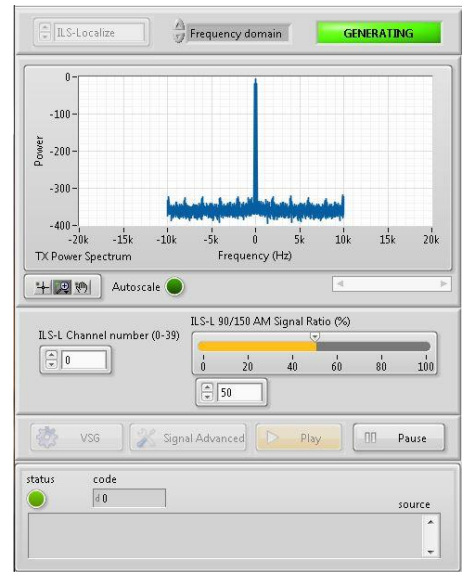
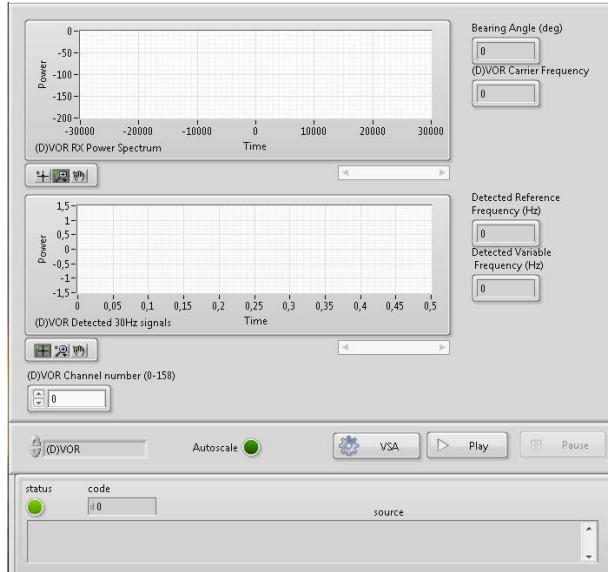
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### Required hardware and software

Hardware	Software
NI PXI express chassis	NI LabVIEW 13 or higher
NI PXI express controller	NI RFSA
Vector signal analyzer	NI RFSG
Vector signal generator	NI Modulation Toolkit

**NOTE:** This software requires specific hardware and provides one Generator and one Analyzer license. Upon purchase, you can provide your hardware serial numbers to receive your additional license directly from Innovative Solutions.