

# Build a Phased Array On A Wafer To Boost Antenna Performance

Fred Mohamadi  
CEO TIALINX INC.  
Presented by: Maria Calle

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## Overview

- ◆ Author presents a prototype of Phased array on a Wafer
- ◆ Design considerations
- ◆ Relevant Characteristics
- ◆ Results

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## Motivation

- ◆ Improving radar technology
- ◆ Decreasing component size and consumption
- ◆ High Resolution RF beam forming
- ◆ X-band (8 – 12 GHz) and V Band (50-75 GHz)
- ◆ WSAM (wafer-scale antenna module)

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