

Luke Kolb

Newtown, PA

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Work Experience

RF Products Project Engineering Manager (PEM)

L3Harris Telemetry & RF Products - Bristol, PA

April 2020 to Present

- Engineering project manager responsible for technical execution on customer-funded programs, internal research and development, and special projects. Responsibilities spanned all phases of the engineering life-cycle (proposal, design, production, customer acceptance, and sustainment).
- Responsible for the successful transition of Airborne Telemetry RF products from another L3Harris facility into the Bristol, PA facility.
- Overcame significant organizational and cultural barriers to introduce four new product lines into production within nine months of starting the position. Direct reporting to local and corporate L3Harris executives on all progress.
- Lead Engineer / Project Manager of the RCC-319 Qualification of a Flight Termination Receiver due to the product-line transfer.
- Responsible for cost estimates, specification compliance, and written technical volume development for all RF Products proposals.
- Ensured completion of the product/project on schedule and within budget constraints.
- Ensured that products/projects delivered meet customer/stakeholder requirements and specifications.
- Requirements definition / management, technical solution development, product integration, and verification & validation.
- Served as the RF Products technical point of contact for customers.
- Specific responsibility for all RF Products at the Bristol location.
- Legacy L3 Communications/Aydin RF products (transmitters, receivers)
- Current generation L3Harris telemetry transmitters/flight termination products

RF Hardware Engineer

Lockheed Martin - Moorestown, NJ

June 2014 to April 2020

- RF Design Engineer that has worked on multiple radar programs including a Direct Digital Conversion S-Band receiver, High-Speed DAC-based synthesizer, and Digital Receiver/Exciter (REX) platforms.
- Responsible engineer that led the overall design of a production-level Radar Synthesizer chassis. Responsibilities included overall RF circuit/board design, material selection (custom filters, amplifiers, passives) and cost management, design/sell-off presentations, and technical direction to an interdisciplinary group of four engineers.
- Independent technical analyst that supported the overall technical direction of an almost \$1 billion solid-state AESA radar system. Responsible for several system allocation budgets, signal processing algorithms, digital filter designs, C++ system models, hardware/software requirements flow-down, and supporting customer briefings and reviews.

- Cost Account Manager responsible for scope, cost, and schedule of a ~\$10 million government contract control account. In addition, technical lead on several radar systems engineering studies, including modeling/simulation of RADAR / LTE Coexistence. Routinely presented technical status and findings to key internal executives and external DoD personnel.
- Engineering Leadership Development Program (ELDP) Graduate:
- Based on my performance and demonstrated leadership potential during my first year of employment, accepted into a prestigious three-year leadership development program. The ELDP offers high-potential individuals rotational job assignments, technical development curriculum, and leadership development conferences.

Education

M.Eng. in Systems Engineering

Cornell University
December 2017

B.S. in Electrical Engineering

Villanova University
May 2014

Skills

- DoD Clearance, Flight Test Telemetry Applications, Radar, RF Design/Simulation/Test/Analysis, DC Circuit Design/Simulation/Test/Analysis, C++, MATLAB, Altium PCB, ADS/MWO, Earned Value Management, Six Sigma Green Belt, Technical Presentations, Customer Briefings/Relationship Building