

Johan Ramirez

RF Engineer - Lockheed Martin Commercial Space Systems

Yardley, PA - Email me on Indeed: indeed.com/r/Johan-Ramirez/32eeb2f5c5d5479e

To obtain an experienced professional position as an RF engineer where my education and knowledge can be utilized

WORK EXPERIENCE

RF Engineer

Lockheed Martin Commercial Space Systems - Newtown, PA - 2005 to Present

Certified Principle Engineer for several RF boxes for Space Flight communications payloads such as Ka-Band LNAs, Power Dividers, RF Filters and Receivers. Hardware electrical design and development of radiation hardened high reliability RF, microwave, and mixed signal hardware for Space Flight communications payloads. My responsibilities include development of specifications, performance of trade analyses, execution of detailed implementation, circuit analysis, and validation of performance of deliverable product. Products include RF and analog circuitry for transmitters, power amplifiers, oscillators, receivers, low noise amplifiers and other communications equipment. I delivered the first flight top level box for the GOES-R program in 2013. I have successfully completed several Critical Design Reviews for our customers. I contributed to the completion of the design and development of multiples RF boxes such as Frequency Generator Units, Ka-Band LNAs, Receivers and Passive RF Distribution units.

Summer Internship at Lockheed Martin Commercial Space Systems

Lockheed Martin Commercial Space Systems - Newtown, PA - June 2004 to August 2004

Engineering Test

- Mechanical Design Support for Spacecraft antennas
- Product Data Management Support (PDM)
- Worked effectively in a team environment

Sales Representative

Radio Shack - Valley Stream, NY - 1999 to 2001

11580.

- Developed sales skills while assisting customers in a commission based salary
- Advised customers on the various products and addressed their concerns
- Worked effectively in a team environment

President of International Division Club Leo

Lions Club - 1996 to 1997

International Association of Lion Clubs,

Worked for the community needs, leading and handling meetings. In addition to normal president task responsibilities such as developing new project schedules and directing group activities.

Awards

Engineering Spot Award for the GOES-R 10 MHz Reference Divider (2013)

EDUCATION

Bachelor of Science in Electronics Engineering Technology (Avionics Concentration)

College of Aeronautics - Queens, NY
2001 to 2005

AWARDS

Engineering Spot Award for the GOES-R 10 MHz Reference Divider (2013)

April 2013

Delivery of the first payload communications top level unit for the GOES-R Spacecraft.

PATENTS

Variable SSPA with Constant Efficiency and Linearity (#US. Pat. No. 8,237,504)

August 2012

A method of fabricating a solid state power amplifier (SSPA) having variable output power, consistent linearity over a range of output power levels while maintaining high power added efficiency (PAE).

ADDITIONAL INFORMATION

Skills

Knowledge and proficiency with RF, microwave, and communications theory and hardware including passive circuits, amplifiers, LNAs, Oscillators, Frequency Synthesizers, Receivers, characterization and modeling of circuits using S parameters, circuit integration and test using bench-top microwave equipment including spectrum and network analyzers. Effective written and verbal communication skills and proficiency with MS Office tools. Work proficiently with circuit analysis tools such as AWR Microwave Office and HFSS. DOORS, SAP, Project scheduling, Parts Stress Analysis, WCA, FMEA, Excellent interpersonal, communications, and coordination/team building skills, bilingual. Fiber Optics, Avionics Standard Practices, Aircraft Navigation-Communications and Radar Systems.