

Larry Doe
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PROFILE

Certified Engineer

Professional Strengths:

- ♦ Possess over **18 years of experience** in the electronics field of controlled communications.
- ♦ Extensive and diverse experience in **R&D, RF designs, manufacturing, testing, electronics engineering support, QC, and communication distribution.**
- ♦ Reliable troubleshooter, with a proven record of increasing efficiency and saving costs.
- ♦ Effective at planning work projects, coordinating with other engineers, and overseeing completion with attention to deadlines, detail and overall quality.
- ♦ Strong project management, communication, supervisory, and negotiation experience.
- ♦ **Fast Learner...eager to learn new skills and new systems.**

HIGHLIGHTS AND ACCOMPLISHMENTS

Satellite Systems

Comprehensive knowledge in the setup and configuration of:

- Standard & HD Encoders, Multiplexes, Modulators and Receivers via Telnet or manual control via TFTP.
- MCE (Mobil Contribution Encoders) and their configuration manual or TFTP, RS232 & RS485.
- Setups using RS422 or RS420 as well as NTSC and PAL systems, (the 2 different viewing methods between the United States and UK).

Research and Development

- Oversaw the research and development of the power supply, LNA, and synthesizers for the receivers of the first flight prototype and the series of twelve US Navy communication satellite.
- Reported and troubleshot all irregularities due to design or inadequate/inefficient parts.
- Facilitated testing and the historical search of devices to determine the successful progress of the current assignment.
- Plan, select, analyze, and evaluate all chosen parts selected for implementation into design.

Computer Hardware and Software Experience

- Wrote programs in Visual Basic for automated testing.
- Experience and knowledgeable with broad variety of manual test.
- Troubleshot to component level. Inspected, implemented and recommended hardware changes and repairs.
- Experienced with Telnet, IC burners and with the setup, interface and configurations of Win2000, WinME, WinXP, Win98, WinNT, and Win95.
- Familiar with Windows Excel, Word, Access, Outlook, AutoCad.

P.C. Board Design and Layout

- Designed, schemed and calculated etches in AutoCAD & manufactured prototype boards independently.
- Tested and tuned RF, analog and digital modules for various types of communication systems.
- Created test fixtures using schematics, layout drawings & necessity.

HIGHLIGHTS AND ACCOMPLISHMENTS, *cont.*

Equipment Testing

- Fully accomplished with all equipment tests and their purpose, including but not limited to functional, conformal coat, thermal shock & vibration, EMI, burn-in, final acceptance tests and thermal vacuum chamber acceptance tests. All testing performed with units operating and adhering to SOP.
- Experienced in the use of a broad variety of lab test equipment, from many different manufacturers, including but not limited to, Hewlett Packard, Tektronix, Wavetek.
- Tested and troubleshot all levels of PC boards, hybrids and surface acoustic wave devices.
- Expertise in utilizing all S-parameters tests to determine return loss, insertion loss, 3db bandwidth, harmonics and spurs. Determine the optimum parts to use for a particular design and/or specification.
- Programmed lab test equipment and thermal cycle chamber for constant 24/7 cycling for thermal shock required for printed circuit boards acceptance test.
- Configured IP and Module addresses for equipment and data option modules to ensure the most current and safest specifications and that customer's needs were met.

Lab Experience

- Highly skilled in ISO9000 Lab specifications and requirements.
- Familiar and experienced with network analyzers, spectrum analyzers, generators, oscilloscopes, tracking generators, thermal vacuum chambers, noise figure meters, and vector voltmeters etc.
- Budgeted and procured lab equipment and supplies.

CREDENTIALS, LICENSES AND AWARDS

ITT TECHNICAL INSTITUTE – AA Degree in Electronic Engineering Technology - Honor Graduate
Glendale Community College - Glendale, Arizona

HUGHES AIRCRAFT - ADVANCED TECHNICAL EDUCATION PROGRAM – C Programming
Language

LICENSED FCC TECHNICIAN OPERATOR – Callsign: KE6SPN. This license allows all amateur
services privileges above 30 MHz.

INDIVIDUAL ACHIEVEMENT AWARD – Achieve a **93% success rate** for first-time design of
digital and RF circuits from concept to production. Resulted in a significant cost/schedule savings,
directly contributing to the success of the UFP Program.

CAREER

CUSTOMER SERVICE ENGINEER

ABC Television / NDS, Orlando, Florida October 18, 1999 – May 12, 2002

ENGINEERING TECHNICIAN

123 Avionics, Pomona, California February 1999 – October 1999

ENGINEER

XYZ Electronics Corp., Anaheim, CA August 1998 – November 1998

RDA, SENIOR ENGINEERING TECHNICIAN

ABC Aircraft Corp., Fullerton, CA July 1984 – December 1993