Relevant Experience Detail:

Itelco USA Inc.

- Constructed the test and repair facilities for the Itelco USA headquarters.
- Specified and procured test equipment, parts and supplies.
- Factory and field trained to service, repair, tune and proof Itelco's broadcast transmitters, microwave links and additional equipment.
- Received supplementary training from Itelco's engineers on the use of spectrum analyzers, network analyzers, power meters and other RF/electronic test equipment in a broadcast environment.
- Trained and studied in the test and measurement methods of the ATSC and NTSC television standards.
- Installed, commissioned, repaired and proofed 100's of analog and digital transmitters in many different power levels and configurations both alongside veteran technicians and on my own.
- Worked with high power Solid State and Tube type amplifiers.
- Played an active role in the DTV transition for many clients of Itelco USA and partner companies.
- Worked closely with the factory team to respond to technical matters and RFQ's.
- Worked on a project where Itelco delivered 16 high power (10kW CW) liquid cooled transmitters to the Department of Defense for command and destruct systems. During this project I was involved in the RFQ response, specification, and acceptance testing of the transmitters and the temporary install of one transmitter at the testing rage (ViaSat) for acceptance of the antenna system.

DMT USA Inc.

- Factory and field trained to service, repair, tune and proof DMT's Broadcast transmitters, microwave links, and additional equipment.
- Worked with factory engineers and technicians to test and prove a digital product line for the US DTV market.
- Received training in DVB for terrestrial (DVB-T), satellite (DVB-C) and mobile (DVB-H) for both MFN and SFN configurations.
- Worked closely with the factory team to respond to technical matters and RFQ's.
- Worked on a long term project where DMT provided transmitters for a dual channel DVB-H SFN trial network in Las Vegas.

Screen Service America

- Designed, constructed and implemented the test and repair facility for Screen Service America.
- Specified and procured test equipment and ancillary equipment for the facility.
- Factory trained to service, repair, tune and proof Screen Service's complete line of broadcast products.
- Worked closely with the factory team to respond to technical matters and RFQ's.
- Worked with a consultant to obtain FCC certification for Screen Service products including implementing the required testing.

Kangaroo TV/FanVision

- Responsible for design, setup, deployment, testing, monitoring and maintenance of the DVB SFN networks used for transmission to Kangaroo TV devices at events. (Formula One, NASCAR, NFL, PGA, Le Mans and more)
- Maintain, setup and configuration of all equipment related to the broadcast operation. Baseband to transmission.
- Recommended test procedures and best practices for field operations.
- Field tuning of DVB mask filters and transmitters.
- Planning, deployment, testing and troubleshooting fiber optic cable networks for delivery of signals and networking including GPS RF over fiber systems.
- Test, measurement and analysis of audio and video baseband signal
- Testing and documentation of system performance and coverage

Piercon LLC/Motorola Solutions

- Performed system updates and expansions on NJ State Police P25 radio system (Astro 7.13/7.14)
- Worked on various other systems for municipal entities. Performing upgrades and expansion of Motorola Astro systems from 7.7 up to 7.14
- Experience with all aspects of a typical Astro system. Servers, firewalls, routing, networking, base stations, radios, consoles, subscribers, etc.
- Received training on all aspects of modern IP based radio system including specific to Motorola systems, Apex radios, and Astro 25 IP radio networks.

Other experience
- IP networking and routing
- Packet capture and analysis
- Over 25 years working with installation and configuration of many flavors and versions of operating systems (Linux, DOS, Windows, Mac, iOS, BeOS, Android and more)
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