

12/2/11

At the request of CATT and applicant attached is my record of work experience. It should be clearly noted that I am not for or against the placement of this tower. I am only interested in sharing my experience and knowledge of towers and RF systems in such a way that allows my town and neighbors to benefit from the latest and most up to date safety standards in place across the United States.

Kevin Plumb

Trumbull Resident/Broadcast Engineer

PROFESSIONAL EXPERIENCE

ESPN Bristol, CT

2006- current

Senior Director of Engineering

Responsible for all technology operations and engineering to reach 23+ million sports audio fans each week over 450 terrestrial (AM&FM) radio stations, satellite radio, and numerous IP connected devices and services. Manage day-to-day technology to ensure a quality on air product. Responsible to, design, install and maintain all broadcast systems (including RF), FCC applications and signal research, RF Safety, Radio Towers (Construction and ongoing maintenance), FAA Obstruction lighting, and all types of broadcast equipment/systems. Manage multiple budgets and fantastic technology team. Maintain compliance with all FCC rules and regulations by using devices such RF network analyzers, TDR's, frequency counters, RF and AF spectrum analyzers and many more. Execute multiple goals of the business and programming departments in a timely and cost-effective fashion.

Examples of accomplishments over the last 10 years

- Various antenna/tower construction projects including three 500 self-supporting foot towers constructed in protected tidal wetlands along with permitting requirements that dictate zero impact to the night heron and other fish hatcheries located under and around the towers. Towers were constructed to float 24 feet above the tidal wetlands as to not to disrupt the wetlands ecology and provide enough daylight to allow the Phragmites to flourish.
- Project Engineer for several multi-million dollar renovations and new constructions for broadcast facilities around the country.
- Project Engineer for complicated multi-million dollar state of the art high power multi user antenna system on top of the Empire State Building project directly related to post 9/11 reconstructed for displaced World Trade Center broadcasters
- Named 2010 one of the "Best Engineers in Radios" also Top 35 Most admired radio engineers Radio Ink monthly industry publication
- Appointed Co-Chair of the New York City Emergency Alert System (by Mayor Bloomberg) worked with other broadcasters and government officials to launch city's first EAS plan
- Designed, specified, and upgraded new HVAC systems and tower sites. Upgrade was completed while studios were on the air and occupied.
- Petitioned FCC for an experimental FM broadcast license for HD radio exploration to meet the needs of sports fans. WX4ESPN was the first ever
- Complete refurbishment of multiple transmitter sites using state of the art solid-state transmitters in a dual online configuration, allowing for 100% uptime. Along with HD radio transmission upgrades.

Kevin A. Plumb CPBE

10 Marina Avenue
Trumbull, CT 06611

ABC Radio, NYC, NY
Director of Engineering

March 1997 – 2006

Manage day-to-day technical operations to ensure a quality on air product. Conceive, design, install and maintain all RF systems, Land/Mobile radio system, FCC applications, RF Safety, Radio Towers (Construction and ongoing maintenance), FAA Obstruction lighting, types of broadcast equipment and systems. Manage and balance multiple budgets. Maintain compliance with all FCC rules and regulations. Execute the multiple goals of the programming department in a timely and cost-effective fashion. Assume Engineer In charge role for large scale remotes. Direct union and non-union technical employees on my staff. Manage all capital projects. In 2000 and 2006, named ABC Radio Employee of the Year.

ABC Television Network (BO&E) – ABC TV, NYC, NY
Senior Field Engineer

September 1994 – March 1997

Major responsibilities included continual preventive maintenance, troubleshooting, and repair of all broadcasting equipment on productions trucks. Provided broadcast technology support on location as audio engineer, RF frequency coordinator/engineer, video transmission engineer, and communications specialist. Show credits include Super Bowl 29, Monday Night Football, ABC/ESPN Golf, Indy 500, Indy Racing League, NASCAR Brick Yard, ABC College Football, Ice Skating, and Triple Crown Horse Racing.

Major Accomplishments: Designed, specified, and implemented fiber optic based digital audio distribution system for ABC Golf. For Super Bowl 29, constructed a pool audio/video distribution system for national and international feeds. For the Presidential Inauguration(s), provided engineering/RF support for the pool audio/video distribution system with twenty-four remote camera locations for national and international feeds.

WABC/WPLJ – ABC Radio, NYC, NY
Maintenance Engineer

September 1991 – September 1994

Major responsibilities included continual preventive maintenance, troubleshooting, and repair of all broadcast equipment and systems (including RF, antennas and city wide Land/Mobile radio systems). Responsible to install and maintain all broadcast systems (including RF), FCC applications and signal research, RF Safety, Radio Towers (Construction and ongoing maintenance), FAA Obstruction lighting, and all types of broadcast equipment/systems. Maintain compliance with all FCC rules and regulations by using devices such RF network analyzers, TDR's, frequency counters, RF and AF spectrum analyzers and many more. Execute multiple goals of the business and programming departments in a timely and cost-effective fashion. Provided technical services for remote broadcasts.

ABC Radio Networks – ABC Radio, NYC, NY
Maintenance Engineer (*vacation relief*)

April 1991 – September 1991

Major responsibilities included continual preventive maintenance, troubleshooting, and repair of all broadcast equipment. Assisted with the installation of the SEDAT Satellite earth station head end and RF system.

Kevin A. Plumb CPBE

10 Marina Avenue
Trumbull, CT 06611

WICC/WEBE – ML Media Partners, Bridgeport, CT June 1989 – April 1991
Assistant Chief Engineer

Major responsibilities included continual preventive maintenance, troubleshooting, and repair of all broadcast equipment. Also responsible for preparation and adherence to strict budget, direction of technical remote broadcast operations, investigation and resolution of all radio frequency interference reports, and compliance with all FCC rules and regulations.

Major Accomplishments: Consolidated two separate radio stations into one facility. Designed and constructed multiple radio studios. Redesigned AM transmitter building. Purchased and installed state of the art AM transmitters. Installed satellite dishes, Rohn towers with rotors for RPU land/mobile RF system, and RF microwave studio transmitter links for both stations. Assembled and assisted in replacing FM antenna system atop a 500 ft Bridgeport UI smokestack.

WDJZ – Daddario Industries, Bridgeport, CT April 1989 – April 1990
Chief Engineer (*part time*)

Responsibilities included preventive maintenance, troubleshooting, and repair of broadcast equipment, as well as maintaining FCC and OSHA compliance.

Major accomplishments: Remodeled studios and transmitter building. Work at the transmitter site included installation of tower fence safety systems, repair of damaged tower legs, and replacement of antenna tuning units and damaged insulators. Installed a 5 KW state of the art transmitter, new audio processing, and a new microwave studio transmitter link.

Com Tronics – Land/Mobile RF Communications June 1988 – April 1990
Stratford, CT
Technician- Land Mobile radio systems

Responsibilities included preventive maintenance, troubleshooting, and repair of RF land/mobile communication systems for local/state, as well as maintaining FCC compliance. RF systems maintained included various construction companies, school bus companies, CT Jails, various towns Fire/ Police / and EMS service, and cellular

WCUM – Radio Cumbre, Bridgeport, CT April 1988 – April 1991
Chief Engineer (*part time*)

Responsibilities included preventive maintenance, troubleshooting, and repair of broadcast equipment and all RF transmission systems including city wide land mobile, as well as maintaining FCC compliance.

WICC – Tribune Broadcasting, Bridgeport, CT June 1987 – April 1989
Board Op and Apprentice Engineer (*part time*)

Responsibilities included board operation for syndicated shows, preventive equipment maintenance, and assistance to the station engineer.

Stratford EMS and Bridgeport Ambulance EMT-D, MAST, I September 1988-1992

Kevin A. Plumb CPBE

10 Marina Avenue
Trumbull, CT 06611

WJBX – Mammoth Broadcasting, Bridgeport, CT

June 1987 – April 1988

Chief Engineer (*part time*)

Responsibilities included preventive maintenance, troubleshooting, and repair of broadcasting equipment, as well as maintaining FCC compliance.

Innovative Media Video Production House – Stratford, CT
Engineer (*part time*)

June 1986 – April 1990

Responsibilities included preventive maintenance on audio production equipment in all edit suites, production assistance in both studio and field production, and operation of electronic graphics equipment. Also assisted in adding two new $\frac{3}{4}$ " edit suites, and designed and constructed a new studio exclusively for radio production.

TECHNICAL QUALIFICATIONS

Professional

Organizations: Society of Broadcast Engineers (SBE), Institute of Electrical and Electronics Engineers IEEE, *Audio Engineering Society (AES)*, *Society of Motion Picture and Television Engineers (SMPTE)* (*no longer active*)

Technical Certifications:

Certified Profession Broadcast Engineer (CPBE) by the Society of Broadcast Engineers. Harris RF Circuits I, II, III, Harris SX, DX and Platinum broadcast transmitters, Nautel AM/FM transmitters, Motorola Mav Pak, Enco DAD(all levels), HD TV (many), Sony AES/EBU Digital Audio Routing and Distribution Certification, NAB AM/FM antenna workshop certification, NAB AM/FM transmitter workshop certification, Sony BVW Certification, Ikegami Broadcast camera school, Electrical Safety certifications and courses (many), Fall Protection Safety, expired licensed Advanced Emergency Medical Technician with Defibrillator certification (Connecticut) and other advance classes.

Development Tools &
Broadcast Applications:

Protools, Audicy/DSE, Do Ray Me Labs, Cool Edit Pro, Metrosource (admin), ENCO, typical common office products, SAP,

Computer Aided
Engineering Software:

ComStudy, RFsoft, AutoCAD, Visio, Audio Precision, Rack Tools, Circuit Works

Operating Systems: Latest Mac, Windows UNIX, Novell

EDUCATION

Studied advanced electronics and communication systems at the Sikorsky School of Aviation (Avioncs) maintenance

Numerous broadcast manufacturer and RF training programs and course works from antennas to CD recorder/players

Microsoft Certified System Engineer (MCSE) coursework

Novell Certified Network Engineer (CNE) coursework

Novell Certified Network Administrator (CNA) coursework

Farleigh Dickenson University, various computer programming coursework