

Affidavit of Joseph W. Patton

Call Sign: WGXM

Facility ID: 173569

Permit File Number: BMPED-20121015AAV

As the Engineer on site, I personally supervised the installation of a directional, circularly polarized, 2-bay antenna at the above referenced facility near Mt. Olive, NC.

I hereby certify that the assembly and installation of the Antenna, SWR Model FMEC/2-PLUS-DA, was in accordance with the manufacturer's instructions and specifications. All dimensions and spacing of antenna bays and parasitic elements were precisely measured when assembled according to the manufacturer's specifications. Both bays and 6 parasitic elements were found to be in proper alignment after assembly. The power divider, filter, and cabling were mounted according to the manufacturer's specifications to insure proper antenna radiation pattern.

The completed antenna system, with attached transmission line, was measured with an Anritsu 331 SiteMaster, S/N 612029, and found to have a VSWR of 1.1:1 at the operating frequency of 91.1 MHz.

I further certify that the antenna was installed at the proper center of radiation height of 147.6 feet AGL and aligned on an azimuth of 270 degrees true azimuth to comply with the FCC requirements set forth in the Construction Permit. See attached Surveyor's Certification.

I hold a Federal Communications Commission General Radiotelephone Operator License, License Number PG-5-9652. I have been providing broadcast engineering support services since 1977 and managed a Government Anechoic Test Facility and Antenna Test Range, being involved in the design, assembly, and testing of antennas and antenna systems. I am the owner of Patton Communications, a broadcast consulting and support services business, located at 402 Madison Ann Drive, La Grange, NC 28551. Phone 919-583-4469, e-mail pattoncomms@msp.com.


Joseph W. Patton

Sworn and subscribed before me,
This 19 day of February, 2013, by Joseph W. Patton


Notary Public

(SEAL)

WENDY P TAYLOR

Notary Public

Lenoir Co., North Carolina

My Commission Expires Oct. 10, 2017