

James M. Johnson & Associates

BROADCAST CONSULTANTS

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WJFP Directional Antenna Installation

This is to certify that the directional antenna for WJFP manufactured by Shively Labs, model number 6810-10-CF-DA has been installed at the authorized site.

The antenna was assembled with strict adherence to manufacturer specifications set forth in the manufacturer's directions in order to properly comply with the directional pattern set forth in the construction permit and described in FCC file number BMPED-20170421AAI.

I worked with the tower crew and surveyor team to insure that the antenna was placed at the correct azimuth of 109 degrees true north. Transmitter TPO was adjusted to 10 KW in order to accommodate the new antenna gain and ERP.

I am a broadcast engineer with over 40 years of experience in AM and FM radio engineering. I specialize in RF systems with an emphasis on antennas. My experience includes installation of numerous FM antenna systems, including directional and non-directional systems.

A handwritten signature in black ink, appearing to read 'James M. Johnson', with a stylized, flowing script.

James M. Johnson