

Statement of transmitter input power for WCXG 89.7, Grand Rapids, MI

Upon completion of the installation of the new directional antenna for WCXG, 89.7, Grand Rapids, Michigan, I ran a program to calculate the necessary TPO, or Transmitter Power Out to satisfy the requirement for application for the License to cover.

The calculations indicate that a TPO of 1600 watts is needed to make 100% power.

Using a Nautel VS-2.5, set for 1600 watts, I showed a final stage voltage of 30.5 VDC and current of 62.8 amps, for an input power of 1915 watts.

During the time until the license to cover is received, the station is required to operate at 50% power. I set the Nautel VS 2.5 to 800 watts, and I showed a final stage voltage of 21.5 VDC and a current of 44.0 amps for an input power of 946 watts.

July 28, 2015



---

Thomas L. Bosscher

Director of Broadcast Engineering

Cornerstone University

1159 East Beltline N.E.

Grand Rapids, MI 49525