

# WTOF

98.1 fm

# WHLO

640 am

2780 South Arlington • Akron, Ohio 44312

## CONFIRMATION OF RECEPTION OF RADIO STATION WHLO-AM-640, AKRON, OHIO

This letter is to confirm your reception of Radio Station WHLO, 640 kHz, Akron, Ohio on February 10, 1997, 0100 to 0130 EST, during our special listeners test for the National Radio Club of America.

The special half hour program contained voice announcements, Modulated code using a 1000 Hz. Tone that announced the stations call letters. Various segments of music and other test tones that were intended to help in the identification of the station during this test. During the listener test, **WHLO** operated with 5000 watts, using it's daytime antenna pattern.

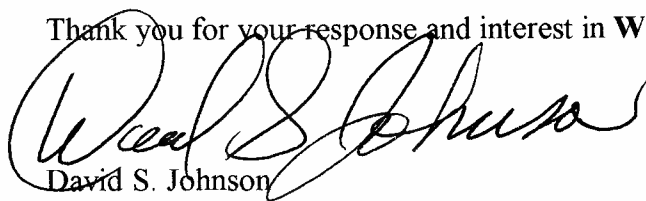
**WHLO** operates with 5000 watts of power during daylight hours, using a two tower directional antenna system. The towers are in line on a 159 degree azimuth. The south tower is 352 feet in height and the north tower is 271 feet in height. The daytime antenna pattern is a cardioid pattern that covers a large portion of the eastern and central Ohio area. The transmitter site is on the southwest side of Akron, just south of Copley, Ohio. **WHLO** uses a Harris SX-5 Solid State Transmitter as the main transmitter. Audio Processing is done with an Orban 9100B AM processor - limiter. Audio from the studio to the transmitter is via a 950 MHZ. FM link.

During the night hours, **WHLO** operates with 500 watts of power, using the same antenna system with a slight change in power division which produces a slightly different pattern than the day antenna pattern. Pattern and power changes are performed by a small computer.

**WHLO** began operation in 1944 as a part of United Broadcasting Company that was headquartered in Cleveland. United Broadcasting operated WHK in Cleveland as **WHLO**. The call letters at that time were WHKK. Until the early 1980's the station operated 1000 watts daytime only, with sign off dictated by sunset hours that effected KFI in California.

**WHLO** is owned by Salem Communications of California. The format of the station is Religious programs and music.

Thank you for your response and interest in **WHLO**.



David S. Johnson  
Chief Engineer