

CERTIFICATION OF ENGINEERS

The firm of Munn-Reese, Inc., Broadcast Engineering Consultants, with offices at 100 Airport Drive, Coldwater, Michigan, has been retained for the purpose of preparing the technical data forming this report.

The report has been prepared by properly trained electronics specialists under the direction of the undersigned whose qualifications are a matter of record before the Federal Communications Commission.

I declare under penalty of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

January 8, 2003

MUNN-REESE, INC.

By Wayne S. Reese
Wayne S. Reese, President

By Edmond R. Trombley
Edmond R. Trombley, Project Engineer

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ENGINEERING STATEMENT

The firm of Munn-Reese, Inc. was retained to measure the exposure to non-ionizing radiofrequency radiation at a telecommunications site located in Schoolcraft, MI. The tower site is the location of WOFR-FM, owned by Family Stations, Inc. Sacramento, CA.

On January 8, 2003, Ed Trombley, a Staff Engineer with this office, was sent to the site to perform the required measurements. Mr. Trombley was accompanied by Walker Sission engineer for the station.

Measurements were made with a Narda Model 8718 Electromagnetic Survey Meter connected to a Narda Model 8742 Isotropic Shaped Electric Field Probe. This probe is designed to measure electromagnetic fields within the frequency range of 300 kHz to 2.7 GHz. The frequency response of the probe is based on IEEE/ANSI Standard C95.1-1991, which is also the basis for the current guidelines of human exposure to radiofrequency radiation established by the Federal Communications Commission. These guidelines specify Maximum Permissible Exposure (MPE) levels that vary with the frequency of the source of radiofrequency energy. Thus, the response of the probe has been shaped to reflect these frequency dependent MPE parameters. This allows the survey meter to read directly in percent of the limit without the necessity to measure each frequency independently. Since most telecommunication sites involve multiple transmitters operating on several different frequencies, this also allows an evaluation to be made of the combined exposure from all transmitters with a single measurement.

For calibration purposes, the probe was placed inside the case supplied by the manufacturer. This case is lined with material designed to block the penetration of radiofrequency radiation. While the probe was in this shielded environment, the self-calibration routine for the meter was executed.

Following the calibration process, a walking tour was made of the site to check the radiation level at numerous locations. The entire perimeter fence containing the site was traversed and the meter observed. The equipment enclosures and transmission lines were checked next. Every observable transmission line connection, ground strap termination and enclosure air vents were measured with the radiation meter.

Based on the measurements, it is concluded that the human exposure at this telecommunications site, as well as the area immediately surrounding the site, was less than 30% of the uncontrolled limit by the guidelines established by the Federal Communications Commission. Therefore any persons working inside the fenced area or persons passing throughout the immediate vicinity to the site are well protected from non-ionizing radio frequency radiation.