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President/Engineering
Michigan Amateur Radio Emergency Teams
A Division of Michigan Specialized Communications Group, Inc
www.msccginc.org
FEMA Certs IS-01,02,03,05,100,200,700,800
NARTE Tech T4-0305
State of Michigan 800mhz Certified

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To: Great Lakes Radio, Inc.



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RE: Engineering Analysis of Great Lakes Radio Stations

To whom it concerns;

During the time period of Wednesday August 3 through close of business Friday August 5th, I conducted a detailed proof of performance on Great Lakes Radio station's FM broadcast facilities.

The FM's were set as follows in compliance with FCC FM Rules 73.317 and 73.1590

- FM systems with RDS were set for 150 modulation peaks
- the audio chain into the stl was tilt corrected flat with a 30cycle HP oscilloscope square wave
- the audio was viewed on a calibrated HP spectrum analyzer and bezel dipped to a deep null
- the transmitters were viewed on an analyzer and are in full compliance

The AM was also reviewed and set in compliance with FCC AM Rules 73.44 from 1994

- AM transmitter was set for 95% modulation peaks
- the audio chain into the stl was checked & corrected flat
- the audio was viewed on a calibrated HP spectrum analyzer and NRSC was in compliance
- the AM transmitter was viewed on site and 1 mile away on analyzer and is in full compliance