

RF Partial AM Proof of Performance Measurements

**KWAY (AM)
1470 KHz - 1000 Watts
Waverly, IA**

June, 2007

**RF Partial Proof of Performance
KWAY, Waverly, IA
June, 2007**

The attached RF Partial Proof of Performance data was taken in June, 2007 as the result of the installation of a new FM antenna for KWAR-FM, Wartburg College, Waverly, IA. The KWAR FM antenna is located within 2 miles of the KWAY-AM directional array.

Pursuant to the latest FCC Rules regarding directional antenna field measurements, the KWAY monitor point radials, along with adjacent radials were measured. The KWAY parameters were maintained as close to licensed values as possible during the measurement process.

All points from the original 1961 proof were used. It should be noted the 285 degree radial, as licensed, has less than the standard 8-10 points, due to the Cedar River. Also, local ground conditions slightly affected the before and after measurements, due to recent rains in the area.

In addition to the radial measurements, ground measurements were made with both spectral analysis and AM field strength near the KWAR FM antenna. No re-radiation was noted from the roof-mounted structure.

The pattern appears to be within tolerance and stable.

Any questions or comments may be made to the undersigned. All readings taken herein were made by George Nicholas, Technical Consultant for KWAY, or under his supervision. Mr. Nicholas was retained by Wartburg College for the radial measurements and confirmation of no re-radiation of the KWAR antenna and tower.



George Nicholas
Broadcast Consultant
Cedar Rapids, IA
June 18, 2007