

K M R S RADIO

MORRIS, MINNESOTA 56267

September 23, 1972

Mr. Ernest J. Wesolowski
1416 Pasadena Avenue
Omaha, Nebraska 68107

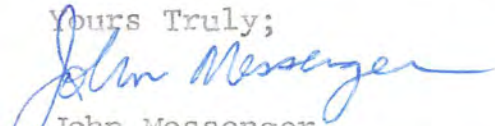
Dear Mr. Wesolowski;

First, my apologies for this late verification. Upon checking our logs and my memory, your reports of 16 August, 1972 and 13 September, 1972 are correct. Being Chief Engineer, I was quite interested in the fact that we have a readable signal in Omaha, and I do hope that you become a regular listener to my program!

On the technical side, our transmitter is a Gates BC1-J feeding a 184' vertical radiator. One reason for or signal strength could be the use of a combination of limiting and compression enabling nearly continuous 99% modulation of negative peaks, and 135% modulation of positive peaks. Our future plans include the construction of a 100kw FM station and further updating and modernization of our AM equipment.

Again, many thanks for your report.

Yours Truly;


John Messenger
Chief Engineer, KMRS

P.S. I am returning the postage you sent with your original report.

Dear Mr. Wesolowski -

Just thought of a few things after I had finished typing your verification. I was unable to find a coverage map that accurately reflects our present coverage area. Previously, we had an effective signal radius of approximately 100 miles. But, with higher levels of modulation, I would estimate that to have increased approximately 20%. This diminishes correspondingly when we reduce power to 250W at sunset.

Also - I was a DX'er myself for quite a few years when I was a teenager. In fact - I've still got my ol' NC-109. Great hobby, isn't it? I'd appreciate any further reports if you happen to dig us out of the mud on 1230.

73's

John Messenger