



Directional Antenna Modification Certification

August 8, 2008

As Director of Engineering for KMUW-FM, I was responsible for the proper modification of a Shively 6810 8 bay antenna to a 6 bay antenna. This antenna is on the KSN tower near the corner of 151st Street West and 53rd Street North in Colwich, Kansas.

The modification of the antenna was designed by Shively Labs based on studies by V-Soft Communications. Shively Labs had a field support engineer on site and provided the drawings for the modification. Precision Communications Inc. completed the modification under my supervision.

The center of radiation and azimuth did not change from the 8 bay position.

I verify that the KMUW directional antenna was modified on the KSN tower in accordance to the instructions from Shively Labs.

A handwritten signature in black ink, appearing to read "Jon Cyphers", is written over a horizontal line.

Jon Cyphers, CBTE CBRE
Director of Engineering
KMUW-FM
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