



Engineering Statement
of
John F.X. Browne, P.E.
re
Minor Amendment to Pending Application
for
KMCI-DT
Lawrence, KS

KMCI-DT has pending an application to maximize its DTV facility. This proposal involves a change in site and other operating parameters. The Commission staff has advised that its evaluation of the proposal predicts interference in excess of the de minimis limits to station KOMU-DT in Columbia, MO. While there appear to be discrepancies raised by software issues, KMCI-DT is proposing to relocate the transmitter site and lower the DTV transmitting antenna height such that the interference to KOMU-DT will be substantially reduced. Our analysis, based on Probe II™ and a UNIX-based implementation of the Commission's program, indicates an interference level of approximately 0.6% based on a 2 km square-grid; use of a 1 km square-grid indicates a somewhat lower level of interference.

Thus, the lower antenna height and new site – some 3 miles more distant from KOMU – result in significantly reduced interference well within de minimis standards; antenna pattern / orientation and ERP parameters remain as filed.

**Site Parameters**

The new study is based on a tower located at
39-01-19 NL
94-30-50 WL (NAD 83)
with an antenna radiation center height of 581 meters AMSL.

Coverage

The proposed 47 dBu [FCC F(50,90)] contour completely encompasses the City of Lawrence.

Certification

This statement was prepared by me or under my direction. All assertions contained in the statement are true of my own personal knowledge except where otherwise indicated and these latter assertions are based on information from sources known to be reliable and are believed to be true.

John F.X. Browne, P.E.
April 18, 2001