

**DELAWDER COMMUNICATIONS, INC.**

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**ENGINEERING REPORT**

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**New NCE-FM Application: Newport, MN Channel 201A**

**EXHIBIT 19 –ENGINEERING STATEMENT REGARDING NCE-FM STATION  
PROTECTION PURSUANT TO SECTION 73.525**

**TV CHANNEL 6 PROTECTION STUDY**

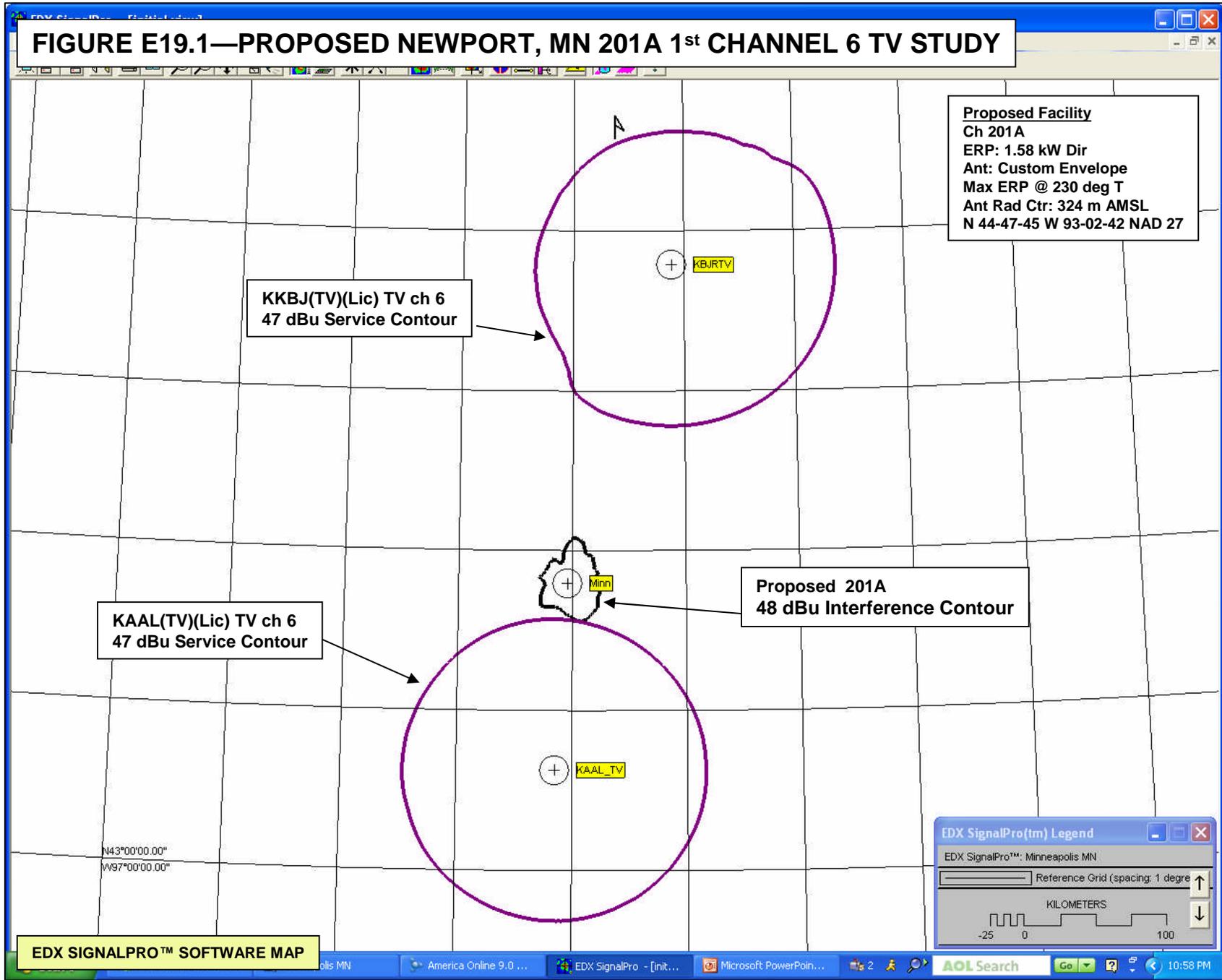
Religious Information Network (“Applicant”) herein proposes a new NCE-FM station at Newport, Minnesota, for channel 201A.

This exhibit includes interference study results to all TV channel 6 facilities that require study pursuant to 47 CFR Section 73.525. Licensed channel 6 TV stations KAAL(TV), Austin, MN, and KBJR-TV, Superior, Wisconsin are the only TV channel 6 stations within the study distance (265 kilometers for channel 201) of the proposed transmitter site.

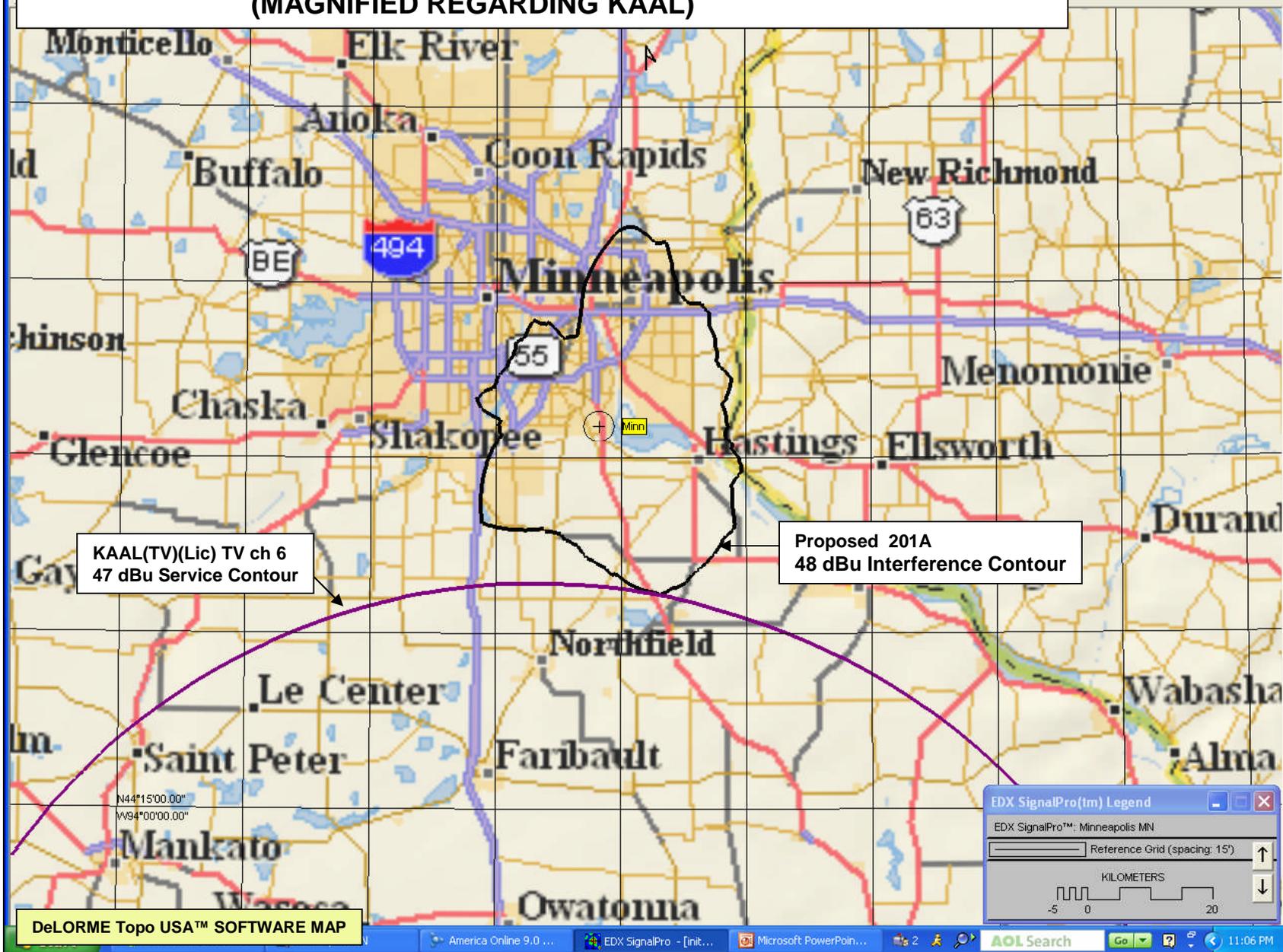
Attached as Figure E19.1 is a map showing the Grade B (47 dBu F50,50) service contours for KAAL(TV) and KBJR-TV. As shown by Figure E19.1, the appropriate “worst-case” interference contour of the proposed facility (the 48 dBu F50,10 contour) does not overlap with the service contours of KAAL(TV) and KBJR-TV. (Figure E19.2 is a magnified showing to KBJR-TV.) This study adequately protects all channel 6 stations in accordance with 47 CFR Section 73.525.

All service contours are F50,50 contours as determined using Figure 1 of Section 73.333 of the FCC Rules. All interference contours are F50,10 contours as determined using Figure 1a of Section 73.333 of the FCC Rules. USGS 3 arc-second terrain data have been used.

**FIGURE E19.1—PROPOSED NEWPORT, MN 201A 1<sup>st</sup> CHANNEL 6 TV STUDY**



**FIGURE E19.2—PROPOSED NEWPORT, MN 201A 1<sup>st</sup> CHANNEL 6 TV STUDY  
(MAGNIFIED REGARDING KAAL)**



KAAL(TV)(Lic) TV ch 6  
47 dBu Service Contour

Proposed 201A  
48 dBu Interference Contour

EDX SignalPro(tm) Legend  
EDX SignalPro™: Minneapolis MN  
Reference Grid (spacing: 15')  
KILOMETERS  
-5 0 20

DeLORME Topo USA™ SOFTWARE MAP