

Engineering Statement
supporting an
Amendment to Pending Application, -20111230ACR
Channel 19, Redwood Falls, MN
REDWOOD TV IMPROVEMENT CORP.

BACKGROUND

Applicant is applying for a digital flash cut to change K19CV from analog operation to digital. We are removing the need for a vertical antenna pattern for the MCI 955114 antenna and will use the actual horizontal antenna pattern for this amendment.

NO OBJECTION LETTER

In addition, the applicant is attaching a "No Objection" letter from Renville County TV Corp. as K19CV-D will cause a slight amount of interference that exceeds the 2% limit allowed to K20JY-D (FID # 55749) which is controlled by Renville County TV Corp.

INTERFERENCE ANALYSIS

Interference to the following station was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Dependent Algorithm" in accordance with OET Bulletin 69.¹ Population loss for each station is less than 0.5% for full-service and Class A TV stations and less than 2% for LPTV and translator stations. Cell size for service analysis is 1.0 km/side. The distance increments for Longley-Rice Analysis is 0.5 km. Any discrepancies are noted below.

NOTE: K19CV-D causes 2.09% interference to K20JY-D.

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¹ The analysis was performed on a Sun "Blade" Computer using the exact replica of the FCC program. Population losses of less than 0.5% are not reported in detail. Only an indication of no interference is shown.