



2355 Ranch Drive, Westminster, CO 80234
Phone: 303-465-5742 ~ Fax: 303-465-4067
E-Mail: stcl@aol.com

B. W. St. Clair

Engineering Statement

FCC File Number: BLTTV950109JD
Location: Channel 10+, Broadus, MT
Applicant: Powder River County T.V. Board

INTERFERENCE STUDY

An analysis of potential interference was conducted for the Powder River County T.V. Board in Broadus, MT so that their channel ten translator could have an ERP increase to better serve their county residents. Channel 10 showed four interference possibilities and these were analyzed using Longley-Rice parameters according to OET Bulletin 69 methodology. The non-interference representations for this application are based on the following information that was developed with respect to the appropriate FCC rule part. The population count was taken from the year 2000 census data.

ANALYSIS

74.7 05 - Full Service Analog TV Stations and Construction Permits: (Co & Adjacent channels within 300 km of the applicant's site were analyzed using Longley-Rice to detect potential interference.) None.

74.706 - Digital TV Stations - Construction Permits & Applications: (Co & Adjacent channel DTV stations within 300 km of the applicant's site were analyzed using Longley-Rice to detect potential interference.)

KXGN-DT, Glendine, MT, Channel 10N: The interference to KXGN-DT showed 0.04% population impact which rounds to 0%.

KHSD-DT, Lead, SD, Channel 10N: The interference to KHSD-DT showed 0.01% population impact which rounds to 0%.

74.707 - Low Power Analog TV Stations & Construction Permits: (Co-channel LPTV stations identified as possible constraints that were analyzed using Longley-Rice to detect potential interference.)

K10ED, Lower Rosebud, MT, Channel 10N: The interference to this station showed 0% population impact. Also, this station's license expired about three years ago.

K10GF, Miles City, MT, Channel 10N: The interference to this station showed 0.23% population impact which rounds to 0%.

DATA RETENTION POLICY

For your convenience, certain supporting information, such as print-outs, listings, maps and similar materials related to the above summaries, is retained in our files for this application. This information will be supplied on your request.

GHA
11 MAY 2001