

### **Engineering Statement and Interference Analysis**

This technical statement supports this application to make changes in KSXC-LP on channel 5 in South Sioux City, NE. FCC File No. BLTVL-20060106ABL, Facility ID 128012.

In this application, the Applicant is proposing to modify to a tower a short distance away. The proposed tower is only 0.31 km at 184 degrees. In fact, the proposed tower facility is practically identical to a previously granted version of this station (FCC File No. BMPTVL-20030311ARQ). The only difference to this instant application and that authorized in FCC File No. BMPTVL-20030311ARQ is that the previous version of on this tower had an antenna center of radiation of 109.8 meters above ground level and the proposed facility has an antenna radiation center above ground of 110.8 meters, an increase of 1 meter. All other parts of this technical proposal are identical. See Attachment A: Coverage Map.

The licensee moved off of that tower to its present facility because the company that owned the tower was in the process of being sold when the licensee constructed the station. However, the licensee does not have a long-term agreement at its existing site and must remove its equipment from the tower very soon.

The proposed channel 5 facilities were studied using the Techware's tv\_process\_dlptv software on a Sun Blade 1500. The study performed a Longley-Rice study in accordance with FCC rules 74.705, 74.706 and 74.707.

### **TV Broadcast Analog System Protection**

The proposed operation causes less than 0.5% interference to surrounding analog assignments and allotments (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards. If necessary, a waiver

of the FCC rules is respectfully requested for this analog allocation study based on use of the OET-69 procedures.

### **Digital TV Station Protection**

The proposed operation causes less than 0.5% interference to surrounding digital assignments and allotments and facilities (i.e., “*de minimis*”). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC’s interference standards. If necessary, a waiver of the FCC rules is respectfully requested for this digital allocation study based on use of the OET-69 procedures.

### **Class A, Low Power TV and TV Translator Station Protection**

The proposed operation causes less than 0.5% interference to surrounding Class A and low power assignments and applications (i.e., “*de minimis*”). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC’s interference standards. If necessary, a waiver of the FCC rules is respectfully requested for this low power allocation study based on use of the OET-69 procedures.

This application does not cause any predicted interference to any of the other proposals. To the degree it is deemed necessary, the applicant requests a waiver of Section 74.705, 74.706, and 74.707 and other applicable parts of the Rules and Regulations of the Federal Communications Commission in order to allow for the grant of this instant application.