



Engineering Report

Community Broadcasting, Inc.
Minor Modification to a Construction Permit
KJCV (FM) - Country Club, MO

This consultant has been retained by Community Broadcasting, Inc. (Community) for the purpose of preparing a minor modification to its construction permit for KJCV (FM) in Country Club, MO. Specifically Community seeks to relocate the station, increase the antenna HAAT, reduce ERP, and modify the directional pattern.

The proposed KJCV operation is to be located on an existing tower structure which has been registered with the Commission and carries the registration number 1206810. This application does not seek to increase the tower's height and, as such, FAA notification was not made. A digitally generated map showing the proposed service contours for KJCV is included in this report as Exhibit 2.

Exhibit 1 of this report is a search of the Commission's January 6, 2004 FM database which reveals that there are two radio stations to which interference could occur with, KIWR in Council Bluffs, NE and KNBU in Baldwin, KS. Exhibit 3 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between KJCV and KIWR. It is noted that the KIWR interfering 40 dBu contours do come close to the KJCV protected 60 dBu contour and, as such, an FM-Over study was performed. That study is included in this report as Exhibit 4 and shows that the maximum interfering signal level from KIWR at the KJCV 60 dBu contour is 39.8 dBu. Exhibit 5 is another digitally generated map which shows the lack of prohibited overlap between the proposed KJCV operation and KNBU. The proposed KJCV interfering contour comes close to the KNBU protected 60 dBu contour and another FM-Over study was performed which shows that the proposed KJCV interfering contour does not exceed 39.9 dBu at any point along the KNBU 60 dBu contour. A copy of that study is included in this report as Exhibit 6.

A search for nearby Channel 6 Television stations reveals 2 stations to which interference could occur. The stations are KMOS-TV in Sedalia, MO and WOWT-TV in Omaha, NE. Exhibit 7 of this report is a digitally generated map which shows the KMOS-TV 47 dBu contour and the proposed KJCV 67.4 dBu interfering contour. Exhibit 8 is a digitally generated map which shows the WOWT-TV 47 dBu contour and the KJCV 67.4 dBu interfering contour. As shown in both Exhibits 7 and 8, there is no overlap between the proposed KJCV operation and either KMOS-TV or WOWT-TV.

Exhibit 9 is an analysis of Non ionizing RF Radiation which demonstrates that the combined worst case level of non ionizing RF Radiation from all users¹ of the tower are compliant with the maximums prescribed by ANSI C 95.1.

Certification

All information in this report and its associated exhibits is true and accurate to the best of my belief. Having had numerous matters before the Commission, my qualifications are a matter of record.

February 18, 2004

Date

R. Lee Wheeler

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¹ Other users of the tower structure are KKJO-FM and a construction permit for KSRD (FM). KSRD employs a directional antenna which is located below the proposed KJCV antenna. The KSRD antenna has not yet been engineered and arrangements have been made with the tower owners, Eagle Communications, to include the proposed KJCV transmission line through the KSRD aperture for proof of performance measurement purposes. Should KSRD construct prior to KJCV Community has agreed to purchase and install an appropriate section of transmission line through the KSRD antenna so as to make the proof of performance on the KSRD antenna accurate. That transmission line section would then be replaced by the actual KJCV transmission line as the proposed KJCV operation is constructed.