



Engineering Report

Community Broadcasting, Inc.
New Translator - Cuba, MO

This consultant has been retained by Community Broadcasting, Inc. (Community) for the purpose of preparing the technical portion of Form 349 in application for a new translator station on Channel 282 in Cuba, MO.

A full search of the Commission's FM database was performed and it was found that Channel 282 can be used in Cuba, MO in full compliance with the interference requirements as set forth in 47 CFR 74.1204. A copy of the spacing study is included in this report as Exhibit 1. From Exhibit 1 it was found that there are three radio stations or applications to which the minimum spacing requirements of 47 CFR 73.207 are not met when the proposed operation is considered a Class A operation. Specifically, those stations are KDBB in Bonne Terre, MO, BPH19920506ME in Doolittle, MO, and KSLQ-FM¹ in Washington, MO. Exhibit 2 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and KDBB. Exhibit 3 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and BPH19920506ME. Exhibit 4 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and the KSLQ-FM CP. Exhibit 5 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and the KSLQ-FM license.

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The proposed Channel 282 operation is further compliant with the maximum power restrictions as set forth in 47 CFR 74.1235(b)(2). Exhibit 6 of this report is a 12 radial HAAT determination which reveals that the Maximum HAAT on any radial is 143.9 meters.

¹ KSLQ-FM also holds a construction permit, BPH-19951005IB, which seeks to modify the licensed operation.

Exhibit 7 is a plot of the predicted power density of Non Ionizing RF Radiation as predicted with the Commission's FM Model Software. As shown in Exhibit 6, the predicted power density reaches a maximum of 0.3118 uW/cm² at a distance of 41.6 meters from the tower base which is well below the 0.2 mW/cm² maximum as set forth in ANSI C95.1.

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.

August 21, 2003
Date

R. Lee Wheeler
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