



Engineering Report

Community Broadcasting, Inc.
K222BD - Lebanon, 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 modification to its existing construction permit for translator station K222BD in Lebanon, MO.

Subsequent to the grant of the underlying construction permit for K222BD an alternate tower site was located with more favorable terms. A full search of the Commission's FM database was performed and it was found that K222BD can operate from that tower 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 five 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 KCVZ in Dixon, MO, WIL-FM in St. Louis, MO, KCVO in Camdenton, MO, and KELE in Mountain Grove, MO. Exhibit 2 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and KCVZ. Exhibit 3 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and WIL-FM. Exhibit 4 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and KELE-FM. Exhibit 5 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and KCVO.

The proposed Channel 222 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 demonstrates that the maximum power and HAAT on any of the 12 cardinal radials is at or below the allowable maximums.

Exhibit 7 is a power density plot generated with the Commission's FM Model software which demonstrates that the proposed operation has a maximum power density of 0.7414 $\mu\text{W}/\text{cm}^2$ which occurs at a distance of 20 meters. This power density is well below the 0.2 mW/cm^2 maximum prescribed 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.

March 17, 2004

Date

R. Lee Wheeler

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