



## ***Engineering Report***

Community Broadcasting, Inc.  
New Translator - Osage Beach, 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 254 in Osage Beach, MO.

A full search of the Commission's FM database was performed and it was found that Channel 254 can be used in Osage Beach, 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 two radio stations 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 KWTO-FM in Springfield, MO and KFLW<sup>1</sup> in St. Robert, MO. Exhibit 2 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and KWTO-FM. Exhibit 3 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and the KFLW Class C3 application facilities. Exhibit 4 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and the KFLW licensed facilities.

The proposed Channel 254 operation is further compliant with the maximum power restrictions as set forth in 47 CFR 74.1235(b)(2). Exhibit 5 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.

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<sup>1</sup> KFLW also has a pending, 1 step, Class C3 upgrade application (BPH-20020827AAI) That Facility was also check to assure no prohibited overlap would occur with the upgraded facilities.

Exhibit 6 is an analysis of Non Ionizing RF Radiation which employs the worst case methods for all users on the site. From Exhibit 6 we find that the total power density is well below the 0.2 mW/cm<sup>2</sup> 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.

August 28, 2003

Date

R. Lee Wheeler

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