



## ***Engineering Report***

Community Broadcasting, Inc.  
New Translator - Crete, NE

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 262 in Crete, NE.

A full search of the Commission's FM database was performed and it was found that Channel 262 can be used in Crete, NE 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 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 KZEN in Central City, NE, KDVV in Topeka, KS, and KGBI in Omaha, NE. Exhibit 2 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and KZEN. Exhibit 3 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and KDVV. Exhibit 4 of this report is a digitally generated map which graphically demonstrates the lack of prohibited overlap between the proposed operation and the KGBI.

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The proposed Channel 262 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.

Exhibit 6 is an analysis of non-ionizing RF radiation which demonstrates compliance with the limitations set forth in ANSI C95.1. Inasmuch as no vertical plane radiation characteristics are available for the Scala antenna proposed in this operation a worst case, 100% downward radiation was assumed.

**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.

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August 20, 2003

Date

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R. Lee Wheeler

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