

**ENGINEERING STATEMENT**  
**“SPECIAL TEMPORARY AUTHORITY”**  
**FM TRANSLATOR K294BT**  
**FAC Id # 141264**  
**RAPIDS CITY, SOUTH DAKOTA**

**GENERAL**

I have been retained to prepare the required engineering statement for the above-captioned special temporary authority for the FM translator owned and operated by Aasen Publishing, Inc., licensee of Radio Station KIMM(AM) and FM translator K294BT, Rapid City, South Dakota. The purpose of the proposed “Special Temporary Authority” is to request authority to rebroadcast AM station KIMM on FM translator K294BT as a “fill-in” translator. No other changes are proposed to the KIMM(AM) or FM translator K294BT licensed facilities.

**FM TRANSLATOR**

The FCC uniquely describes the license coordinates of K294BT as:

North Latitude 44 degrees 06 minutes 52 seconds

West Longitude 103 degrees 14 minutes 36 seconds

FCC Antenna Registration Number: 1041927

**OVERVIEW**

The FCC recently adopted by **Report and Order, MB Docket 07-172**, new rules to permit "Commercial" FM translator stations authorized **prior to May 1, 2009**, to rebroadcast the program content of an AM radio station as a "fill-in" translator service. This permits full service AM stations; including daytime only AM stations programming during nighttime hours, to rebroadcast the AM programming on an authorized FM translator station.

A "**fill-in**" translator is permitted to operate to a maximum ERP of 250 watts; provided it meets interference requirements. When rebroadcasting an AM radio station, the **60 dBu** of the FM translator **(1) must never extend outside** the 2 mV/m daytime contour of the AM station (assuming standard AM M-3 conductivity map predictions) and **(2) must never extend more than 25 miles** from the AM transmitter site . Translators will be authorized on a 24 hour basis and must always rebroadcast the "**same content**" as the AM station. In the case of **daytime only AM stations** which are not authorized to operate at night, the FM translator is permitted to "originate" its own programming during nighttime hours the AM, provided the Class D AM has operated during the previous 24 hours. The new rules are not intended to create an additional programming source but to be strictly used to rebroadcast an authorized AM signal.

## CONCLUSION

The proposed FM translator is in full compliance with the proposed new rules. The attached exhibits clearly demonstrate the proposed translator is located well inside the 2 mV/m contour of AM station KIMM and the translator will extend greater than 25 miles of the AM station transmitter site. Accordingly, special temporary authority is requested pending the final adoption of the new rules.

This statement and attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct.

DATED: August 28, 2009

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signed  
Edward P. De La Hunt

# 2 mV/m Coverage/Translator Coverage KIMM AM - 1150 kHz - Rapid City, SD

## KIMM.C

Freq: 1150 kHz  
Class: B  
Latitude: 44-04-34 N  
Longitude: 103-06-42 W  
Power: 5 kW  
RMS: 308 mV/m @1km  
# Towers: 1  
# Augs: 0

**Proposed**  
Rapid City, SD  
Latitude: 44-06-52 N  
Longitude: 103-14-36 W  
ERP: 0.25 kW  
Channel: 294  
Frequency: 106.7 MHz  
AMSL Height: 1222.0 m  
Horiz. Pattern: Omni

2 mV/m  
Day ND 5 kW  
122,070 persons

Channel: 294  
F(50-50) 60.0 dBu

Scale 1:1,000,000

0 10 20 30 km

Scale 1:1,000,000

0 10 20 30 mi

