

# VIR JAMES P. C.

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## ENGINEERING STATEMENT

Concerning a request for STA for AM Broadcast Station KRCM to operate at a temporary site with long wire antenna to resume service to the Community of Beaumont, TX.

KRCM is licensed to operate on 1380 kHz with 1kW day and 0.127kW night using nondirectional antenna (ND2) to serve the community of Beaumont, TX

Voice Broadcasting, Inc. is the licensee of KRCM.

After the tower site landlord demolished the hurricane damaged tower that KRCM was licensed to operate on, the owner stated that he did not wish to have a new tower placed on his site. KRCM was forced to cease broadcast from its licensed site after a short period of operation with a temporary antenna tower. Now KRCM has obtained a location within the community of Beaumont where a temporary transmitting facility can be constructed using a long wire antenna to resume service to Beaumont. This proposal requests STA to operate with temporary facilities and a long wire antenna to resume service to Beaumont, TX.

The proposed STA operation will utilize a long wire antenna approximately 54 m long. The transmitter antenna will start at the ground level adjacent to the steel shipping container that will contain the transmitter and antenna tuning unit. From there the longwire antenna will rise to an insulator supported at the 30 ft level of an existing wooden pole adjacent to the transmitter container and continue to an insulator supported at the 30 ft level on the next pole within the fenced area. A separate 6ft fence will be erected enclosing the area between the transmitter container and the first pole supporting the antenna wire so that no one can touch the antenna. The fence will also prevent access to any areas where the RF Power densities would exceed the OET65 recommended public exposures. In addition the transmitter container and antenna is completely within an industrial storage site that is fully fenced with locked gates so that access to the whole site area is restricted by the site owner to persons with specific permission to enter the site. The general public will have no access to the site.

The proposed signal coverage will remain totally within the licensed KRCM primary contour. The antenna is expected to achieve approximately the same efficiency as a 15 degree vertical which is about 200 mV/m/kw at 1km from 73.190 figure 8 Curve A. Therefore the proposed operation will be limited to the licensed 1kW power for an IDF of 200 mV/m daytime and 0.167kW transmitter power for an IDF of 82mV/m nighttime.

Transmitter site is located approximately 600 ft Northeast of the intersection of College Street and Langham Rd The coordinates are;

NL: 30 Deg 04 Min 08 Sec

WL: 94 Deg 09 Min 44 Sec

This request for STA is for 1kW day and 0.167 kW night at a temporary site with long wire antenna for a duration is for 180 days. It is expected that after that period of time it may be possible to move to the CP site and file for license there.

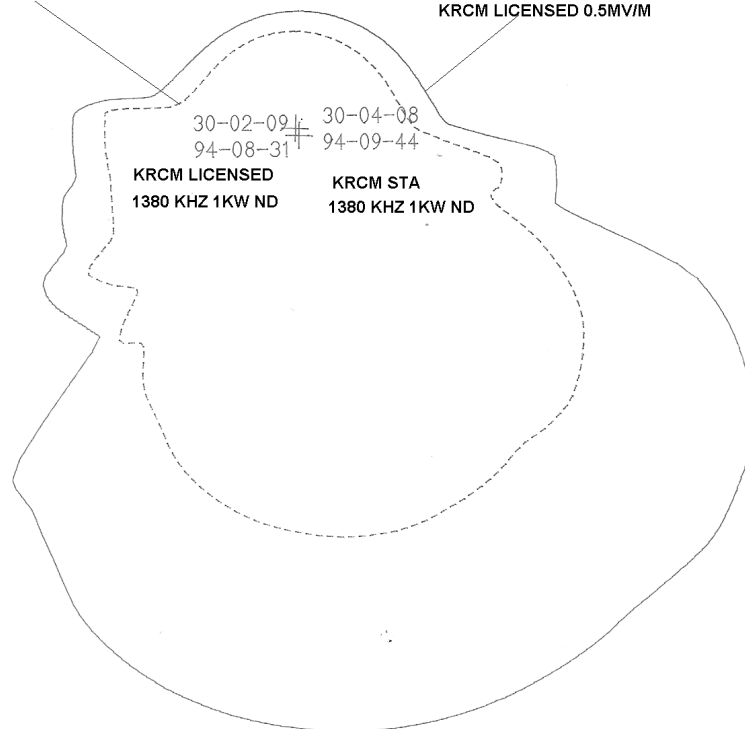
Respectfully Submitted

A handwritten signature in black ink that reads "Timothy C. Cutforth". The signature is written in a cursive, flowing style.

Timothy C. Cutforth P.E.  
March 30 2009

STA 0.5MV/M

KRCM LICENSED 0.5MV/M



1 TO 2.5 MILLION SCALE