



ENGINEERING STATEMENT
OF
JOHN F.X. BROWNE, P.E.
IN SUPPORT OF AN APPLICATION FOR
CONSTRUCTION PERMIT FOR AN AUXILIARY STATION
KCCI-DT
DES MOINES, IA

Background

Hearst-Argyle Television, Inc. is the licensee of KCCI-DT and has been granted a construction permit to operate its post-transition DTV facility on Channel 8 (BPCDT-20080314ABD) at Des Moines, IA, with an ERP of 23 kW at an HAAT of 597m. The tower is located at the following coordinates:

(NAD27)
41° 48' 35" N
93° 37' 16" W

(KCCI also has an application on-file to "maximize" the post-transition main facility ERP to 28.3 kW.) KCCI now wishes to apply for a construction permit for an Auxiliary DTV facility.



Antenna System and Tower

KCCI proposes an Auxiliary DTV facility that would use the same site, tower, and antenna as it's presently licensed (BPCT-851024KF) analog Auxiliary facility. This site is located at the KCCI studio site in downtown Des Moines and is situated approximately 24km south of the site authorized by the construction permit. The proposed antenna is a Bogner B6VO(M) omni-directional radiator. The antenna is installed on a tower (ASRN 1016800) that has an overall height of 431.6m AMSL (with appurtenances). The antenna has a center-of-radiation of 425.5m AMSL (with a calculated HAAT of 155.4m). No modifications to the tower or antenna system are necessary and, therefore, neither notification to the FAA or modification of the ASR is required.

ERP and Coverage

With the proposed ERP of 56.2kW, the entire principal community of Des Moines, IA is well within the predicted F(50,90) 43dBu contour. Furthermore, the predicted 36dBu F(50,90) contour does not extend beyond the 36dBu F(50,90) contour of the facility authorized in the Construction Permit (see Figure 1 attached).

Interference

Studies were conducted with the proposed parameters using software that emulates the software used by the FCC (OET-69 analysis). The results of the study indicate that there are no post-transition domestic stations that would receive more than 0.5% new interference from the auxiliary operation.

Environmental/RFR

The proposed construction does not require preparation of an Environmental Assessment as it does not involve any of the factors listed in Section 1.1306.



The additional ground level RFR contributed to the site by this proposal in public areas is calculated to be $0.003\text{mW}/\text{cm}^2$ which is less than 5% of the MPE for public exposure ($0.20\text{mW}/\text{cm}^2$) at the proposed frequency and, therefore, the proposal is excluded from further consideration.

KCCI agrees to comply with the Commission's requirements regarding power adjustments or cessation of operation as may be necessary to ensure a compliant environment for worker access. Workers will be encouraged to wear personal RFR monitors when on the structure. The tower base is enclosed by a locked security fence and appropriate signage warning of RFR hazards is posted.

Certification

I hereby certify that the foregoing report or statement was prepared by me but may include work performed by others under my supervision or direction. The statements of fact contained therein are believed to be true and correct based on personal knowledge, information and belief unless otherwise stated; with respect to facts not known of my own personal knowledge, I believe them to be true and correct based on their origin from sources known to me to be generally reliable and accurate. I have prepared this document with due care and in accordance with applicable standards of professional practice.

A handwritten signature in black ink, appearing to read 'John F. X. Browne', written in a cursive style.

John F. X. Browne, P.E.
August 28, 2008

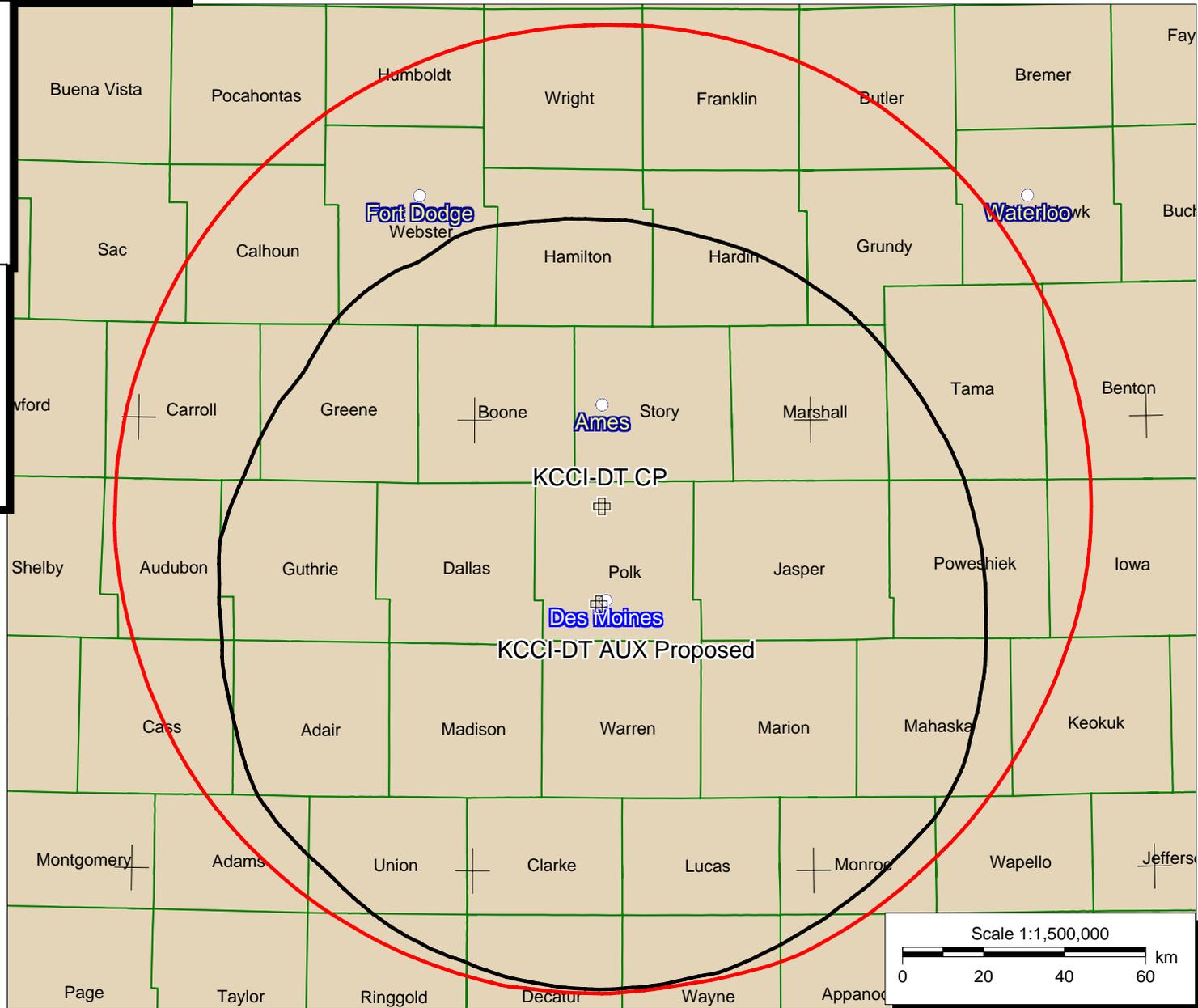
Comparison of KCCI-DT CP vs KCCI-DT AUX Proposed

KCCI-DT CP

BPCDT20080314ABD
Latitude: 41-48-35 N
Longitude: 093-37-16 W
ERP: 23.00 kW
Channel: 08
Frequency: 183.0 MHz
AMSL Height: 888.0 m
Horiz. Pattern: Omni

KCCI-DT AUX

Latitude: 41-35-35 N
Longitude: 093-37-48 W
ERP: 56.2 kW
Channel: 08
Frequency: 183.0 MHz
AMSL Height: 425.5 m
Horiz. Pattern: Omni



Red = 36 dBu F(50,90) contour of KCCI-DT CP

Black = 36 dBu F(50,90) contour of KCCI-DT AUX Proposed (56.2 kW)

Fig. 1