

TECHNICAL SUMMARY  
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)  
TELEVISION STATION KSTC-TV (STA)  
MINNEAPOLIS, MINNESOTA  
CHANNEL 30 716 KW (MAX-DA) 423 M HAAT

1. The instant request is for Special Temporary Authority (STA) for KSTC-TV, Minneapolis, MN, which is licensed for operation on Channel 30.\*
2. During the week of April 20<sup>th</sup>, 2020 an emergency situation was encountered requiring the removal of the KSTC-TV main Channel 30 transmitting antenna. An interim emergency antenna was installed to allow for continued operation, which will extend for at least several weeks.† Accordingly, the instant request is to authorize operation under STA until the KSTC-TV main antenna can be reinstalled and restored to normal licensed operation. The KSTC-TV STA facility will operate on Channel 30 using a temporary antenna mounted at a height of 394.7 m above ground level.‡ There will be no change in the overall height of the existing structure.
3. The proposed STA antenna system has been designed such that there will be no extension of the predicted noise-limited service contour of the STA facility beyond that of the authorized main facility. This is demonstrated in the attached Predicted Coverage Contours exhibit.

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\* See FCC File No. 0000080959, Facility ID 35843.

† The continuing Covid-19 pandemic crisis could extend the repair and re-installation timeline.

‡ The tower structure is identified by FCC Antenna Structure Registration Number 1023883 and it has an overall height above ground level of 438.3 m.