

TECHNICAL SUMMARY
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)
TELEVISION STATION WCIU-TV (STA)
CHICAGO, ILLINOIS
CHANNEL 23 15 KW (MAX-DA) 531 M HAAT

1. The instant request is for an emergency Special Temporary Authority (STA) for WCIU-TV, Chicago, IL, which is licensed for operation on Channel 23.*
2. Due to a recent extreme rain event and subsequent flooding, the Willis Tower lower levels were flooded yesterday, which resulted in a power loss for the entire building. The WCIU-TV broadcast transmission facility on Willis Tower rooftop is off-the-air due to the loss of power. It is unknown when the flooding and damage to the Willis Tower can be remedied to the extent that power can be restored.
3. The proposed STA system will be employed for use as a temporary emergency facility to allow for WCIU-TV to restore off-the-air broadcast service to the Chicago market. The WCIU-TV STA antenna system will be mounted on the Hancock Tower as indicated in FCC Antenna Structure Registration No. 1009013. There will be no change in the overall structure height as a result of this proposal. WCIU-TV is in possession of a standby antenna and a six-pole transmitter mask filter for Channel 23 to facilitate the temporary operation on the Hancock Tower.
4. The proposed STA facility predicted noise-limited service contour will be entirely contained within the WCIU-TV licensed noise-limited service contour. This is demonstrated in the attached Predicted Coverage Contours exhibit.

* See FCC File No. 0000102906.