

TECHNICAL SUMMARY  
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)  
CLASS A TELEVISION STATION WMEU-CD (STA)  
CHICAGO, ILLINOIS  
CHANNEL 18 14 KW (H), 7 KW (V) 660.4 M AMSL

1. The instant request is for Special Temporary Authority (STA) for WMEU-CD, Chicago, IL, which is licensed for operation on Channel 32.\* WMEU-CD holds a construction permit for operation for its Incentive Auction repack facility, which will operate on Channel 18.†
2. The proposed STA system will be employed for use as an interim antenna to facilitate the repack of the WMEU-CD facility from its licensed channel to its repack channel.
3. Specifically, the WMEU-CD STA facility will operate on Channel 18 using an existing antenna that is mounted on the Willis Building supporting tower at a height of 479 m above ground level.‡ There will be no change in the overall height of the existing structure.
4. The WMEU-CD facility is in Phase 6, which started on September 12, 2019 and ends on October 18, 2019. The instant STA facility will be required for the transitional operation on Channel 18 until the new main antenna can be installed and made operational.
5. The proposed STA antenna system has been designed such that there will be no extension of the predicted 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. BLDTA-20131212ABK.

† See FCC File No. 0000080482.

‡ The tower structure is identified by FCC Antenna Structure Registration Number 1032959 and it has an overall height above ground level of 527.3 m.