

TECHNICAL SUMMARY

CLASS A TELEVISION STATION WMEU-CD  
CHICAGO, ILLINOIS  
CHANNEL 18 15 KW (H), 3 KW (V) 587.6 M AMSL

1. The instant application is to relocate the WMEU-CD (Channel 18) facility to the John Hancock Building\* from its licensed location at the Willis Tower.† There will be no change in the nominal non-directional effective radiated power (ERP) of WMEU-CD, which will remain at 15 kW. However, the antenna radiation center height will be reduced to 587.6 m AMSL (406.9 m AGL) at the Hancock building location.

2. The antenna structure registration number for the proposed WMEU-CD antenna location is 1009012. This number identifies the east antenna stack on the Hancock building. The proposed site is located approximately 2.5 km north-northeast of the WMEU-CD licensed location.

3. As demonstrated in the *TVStudy* analysis exhibit, the proposed facility is fully compliant with the FCC's interference protection requirements. A higher resolution terrain profile point spacing of 0.37 km is requested for processing.

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\* WMEU-CD is licensed under FCC File No. 0000086889 at the Willis Tower building location. It is licensed for operation on Channel 18 with a nominal non-directional ERP of 15 kW with an antenna height of 650.2 m AMSL.

† The Willis Tower was originally known as the Sears Tower until it was renamed by its new owner in 2009.