RF HAZARD STATEMENT

CLASS A TELEVISION STATION WMEU-CD
CHICAGO, ILLINOIS
CHANNEL 18 15 KW (H), 3 KW (V) 654.4 M AMSL

With respect to the potential for human exposure to radio frequency (RF) energy, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF energy at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground* based on the following conservative assumptions, with the following results:

Call Sign	Channel	Average ERP (kW)	Distance (m)	Relative Field Factor†	FCC Limit‡ (mW/cm^2)	Percentage of Limit
WMEU-CD	18	15 (H); 3 (V); 18 (Total)	473	0.30	0.331	0.074%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.074% of the FCC limit for general population / uncontrolled exposure.

With respect to the rooftop, the management of the Willis Building strictly controls access to the roof; and it would be defined as a controlled environment for the purposes of RF exposure evaluation. RF measurements will be taken to the extent necessary to ensure continued compliance with the FCC RF exposure limits. The strict work rules in place concerning access to the Willis Building roof will continue; and the applicant shall cooperate in implementation of the work rules. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.

* The radiation center is located 473 m above ground level.
† This is a conservative estimate of the downward relative field at steep elevation angles.
‡ for general population/uncontrolled environments