RF HAZARD STATEMENT
PROPOSED WCIU-DT
CHICAGO, ILLINOIS
CHANNEL 27 590 KW (MAX-DA) 473 M

The following table summarizes the technical details for the proposed facility considered in this radio frequency (RF) hazard analysis:

Call Sign / Mode	Channel / Frequency	Effective Radiated Power (kW)	Antenna Radiation Center Height Above Ground (meters)	Transmitting Antenna Make and Model / Polarization
WCIU-DT digital	27 / 548-554 MHz	590	472	Dielectric, TUA-C3-6/18U-T / horizontal

The elevation pattern employed for the above listed antenna is included with the Form 301 filing as an exhibit.

Based on Section 73.1310 of the FCC Rules, the pertinent maximum permissible exposure (MPE) limits for the subject station are as follows:

Call Sign	Frequency (MHz)	MPE for General Population/Uncontrolled (GP/U) Exposure (uW/cm^2)	MPE for 5% Exclusion Level for GP/U Exposure (uW/cm^2)
WCIU-DT	551	367.33	18.4

Also indicated in the table above are the 5% MPE levels below which the RF energy level contributions are considered to be negligible. Those licensees whose transmitters produce RF energy levels in excess of 5.0% of the applicable exposure limit at an

accessible location are considered to be significant contributors and would share in the responsibility to bring the RF exposure levels into compliance in a multiple user environment.

Calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that it will not result in human exposure to RF radiation at ground level in excess of the 5% exclusion for general population / uncontrolled environments.* Power density calculations conducted at 2-m above ground are summarized as follows:

Call Sign	Channel	Total Average ERP (kW)	Antenna Height (m)	Relative Field Factor	FCC Limit† (mW/cm^2)	Percentage of Limit
WCIU-DT	27	590	472	0.15	0.367	0.5%

As indicated above, the exposure to RF radiation at 2-m above ground level will not exceed 0.5% of the FCC limit for general population / uncontrolled exposure.

With respect to the rooftop, the management of the Sears Building strictly controls access to the roof; and it would be defined as a controlled environment for the purposes of RF exposure evaluation. When RF levels exceed the FCC limit for RF exposure at certain locations on the roof (for example, when certain stations operate using auxiliary antennas) access to these locations on the roof is restricted. RF exposure measurements shall be conducted on the roof to verify continued compliance with the FCC limits to human exposure to RF energy. The strict work rules in place concerning

* See Section 1.1307 of the FCC Rules.
† for general population/uncontrolled environments

access to the Sears 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 radiation and it is categorically excluded from environmental processing.



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June 18, 2008