RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WRAZ(TV)
RALEIGH, NORTH CAROLINA
CHANNEL 15 509 KW (H), 101.8 KW (V) 607 M HAAT

With respect to the potential for human exposure to radio frequency (RF) energy for the proposed WRAZ(TV) facility, 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
WRAZ(TV)	15	509.0 (H), 101.8 (V), 610.8 (Total)	577.6	0.10	0.319	0.2%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.2% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.

The licensee, in coordination with the other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from RF energy in excess of the FCC guidelines.

* See Section 1.1310 of the FCC Rules and Regulations.
† The radiation center height above ground is 577.6 m.
‡ This is a conservative estimate of the downward relative field at steep elevation angles.
§ for general population/uncontrolled environments