RF HAZARD STATEMENT
PROPOSED FM BROADCAST STATION WAZO
SOUTHPORT, NORTH CAROLINA
CHANNEL 298C1 75 KW 137 M HAAT

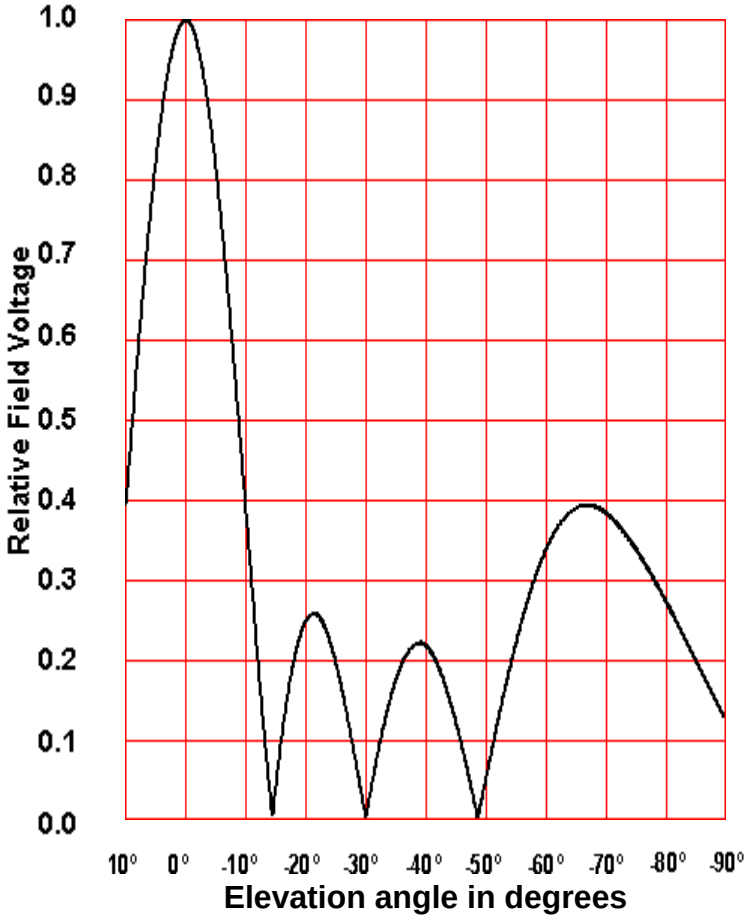
With respect to the potential for human exposure to radio frequency (RF) radiation, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF radiation at ground level in excess of FCC standards. Power density calculations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

Call Sign	**Channel**	**Average ERP (kW)**	**Relative Field Factor†**	**FCC Limit‡ (mW/cm^2)**	**Percentage of Limit**
WKXB (App.)	260	70 (H + V)	0.20	200	1.6%
WWQQ-FM	267	80 (H + V)	0.50	200	12.9%
WBNE(FM)	279	70 (H + V)	0.50	200	13.0%
WUIN(FM)	294	11.2 (H + V)	0.50	200	4.8%
WAZO(FM)	298	150 (H + V)	0.40	200	23.0%
Total percentage of general population / uncontrolled MPE					55.3%

As indicated above, the exposure to RF radiation at 2-m above ground level will not exceed 100% of the FCC MPE limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF radiation and it is categorically excluded from environmental processing. The applicant, in coordination with any 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 radio frequency radiation in excess of the FCC guidelines.

* Antenna radiation center height above ground: WKXB(App.) = 175 m; WWQQ-FM = 163 m; WBNE(FM) = 152 m; WUIN(FM) = 101 m; WAZO(FM) = 134 m.
† Conservative estimates of the relative field factors in the downward direction. For proposed WAZO(FM) see attached elevation pattern for ERI model SHPX-4BC-SP, 4-bay transmitting antenna.
‡ for general population/uncontrolled environments

ERI® Vertical Plane Plot



Number of levels: 4 **Wave length spacing: 1**

System Gain: 2.133 **System Beam Tilt: 0°**

First Null @ -14.536° **% First Null Fill: 0%**

(Print in Landscape mode) Download Acrobat PDF