

Application of MainQuad Communications, Inc.
For a Minor Modification of Construction Permit
WCUL(FM)
Midlothian, VA
October 2004

Exhibit 29

WCUL-FM, Midlothian, VA.
Environmental Impact of Application

The tower proposed is an existing tower. Therefore the applicant knows of no reason that the granting of this application would be considered a major action. The only question left is conducting an RF study of the tower.

The following stations were taken into consideration when looking at the impact of RF radiation:

| | | |
|---------|----------|-----------------------|
| WCUL-FM | 207m AGL | 4.8 KW H and 4.8 KW V |
| WRXL | 223m AGL | 20KW H and 20KW V |
| WCDX | 216m AGL | 4.5KW H and 4.5KW V |
| WXOB-LP | 202m AGL | 131KW H |

WXOB-LP has filed an application to increase their power to 131KW. We used this higher power in our calculations.

We used the V-Soft RFHaz software to determine the percentage each station contributes to the maximum allowed in control and uncontrolled areas.

| Station | Controlled | Uncontrolled |
|----------|------------|--------------|
| Proposed | | |
| WCUL-FM | .75% | 3.75% |
| WRXL | 2.69% | 13.44% |
| WCDX | .64% | 3.22% |
| WXOB-LP | 3.28% | 16.38% |

The total for controlled areas is 7.36% and for uncontrolled areas is 36.79%.

According to this study the addition of WCUL-FM as proposed will not exceed the RF Radiation limits at the base of the tower.

WCUL-FM will work with the owners of the tower and other broadcasters on the tower to either reduce or remove RF Radiation in the event that tower work must be done.