

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 even that tower work must be done.