

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	163m AGL	7.3KW H and 7.3 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 its 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	1.84%	9.18%
WRXL	2.69%	13.44%
WCDX	.64%	3.22%
WXOB-LP	3.28%	16.38%

The total for controlled areas is 8.45% and for uncontrolled areas is 42.22%.

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, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency radiation in excess of FCC guidelines.