

CONTOUR OVERLAP AND  
LONGLEY-RICE INTERFERENCE STUDIES  
PROPOSED WARP-CA  
CHANNEL 20 – TAMPA, FLORIDA

We conducted a computer analysis of the interference situation for the proposed facility, the results of which are shown in Exhibit D-2. The study is based on contour protection requirements of Sections 74.705, 74.706, and 74.707 of the FCC's Rules with respect to analog full-power, digital full-power, and low power television stations, respectively. It concludes that the facility proposed herein meets these requirements except to five stations: WOTF-DT, Channel 20 in Melbourne, Florida; WMOR-DT, Channel 19 in Lakeland, Florida; WCLF-DT, Channel 21 in Clearwater, Florida; WBBH-TV, Channel 20 in Fort Myers, Florida; and, WCJB-TV, Channel 20 in Gainesville, Florida.

We then conducted detailed interference studies using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to these facilities of concern. The software utilizes a 2-square kilometer cell size (except where noted), calculates signal strength at 1.0 kilometer increments along each radial studied, and employs the 1990 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than proposed WARP-CA) already is predicted to exist (also known as "masking"). The results of these studies are provided in Exhibit D-3. They conclude that the facility proposed herein causes no significant new interference to any of the potentially affected stations.

EXHIBIT D-1

As a result, waivers of Section 73.6011 of the Commission's Rules with respect to interference to WBBH-TV and WCJB-TV, and Section 73.6013 with regard to WOFT-DT, WMOR-DT, and WCLF-DT are requested and believed to be justified based on the aforementioned Longley-Rice studies.

EXHIBIT D-2PROPOSED WARP-CA  
CH. 20 - TAMPA FLREFERENCE  
27 52 00 N  
82 37 27 W

LPTV Pwr = 150 kW, HAMS L COR= 142 M

DISPLAY DATES  
DATA 05-08-04  
SEARCH 05-12-04

Channel 20-, 506 MHz

Call	Channel	Location	Dist	Azi	FCC	Margin	
WOTF-D*CP	20	Melbourne	FL	175.14	73.4	> 367.13	-178.42
WBSF* ALD	20	MELBOURNE	FL	175.09	73.3	> 347.08	-156.85
WMOR-D*CPM	19	Lakeland	FL	36.17	98.3	> 127.17	-91.00
WCLF-D*CP	21	Clearwater	FL	36.17	98.3	> 122.30	-81.51
WCLF* ALD	21	CLEARWATER	FL	37.69	339.2	> 106.65	-62.95
WWWB* ALD	19	LAKELAND	FL	66.67	92.6	> 098.88	-30.87
WBBHTV*CP	20+	Fort Myers	FL	143.34	143.6	> 183.48	-24.41
WBBHTV*LI	20+	Fort Myers	FL	143.48	143.6	> 183.48	-24.28
WCJBTV*LI	20Z	Gainesville	FL	186.34	6.7	> 204.37	-9.15
WUSFTV LI	16Z	Tampa	FL	35.60	93.3	> 032.00	3.60
WCLF LI	22Z	Clearwater	FL	36.17	98.3	> 032.00	4.17
WLRN-D*LI	20	Miami	FL	319.19	130.5	> 285.78	45.42
WLRN* ALD	20	MIAMI	FL	319.54	131.0	> 272.03	62.20
WRDQ LI	27Z	Orlando	FL	163.83	73.4	> 100.00	63.83

\* Actual radials antenna height and directional patterns used (if any)

## INTERFERENCE SUMMARY

PROPOSED WARP-CA  
CHANNEL 20 – TAMPA, FLORIDA

<u>Call Sign</u>	<u>Status</u>	<u>City, State</u>	<u>Ch.</u>	<u>Longley-Rice Service Population</u>	<u>Unmasked Interference From Proposed Facility</u>	<u>%</u>
WOTF-DT BPCDT-19991029ADG	CP	Melbourne, FL	20	1,914,056	153	<0.1
WBSF-DT BLCT-820816KE	Allot.	Melbourne, FL	20	1,533,660	0	0
WMOR-DT BMPCDT-20011101AAK	CP	Lakeland, FL	19	3,642,375	0	0
WCLF-DT BPCDT-19991101AHE	CP	Clearwater, FL	21	2,990,089	0	0
WCLF-DT BLCT-791018KE	Allot.	Clearwater, FL	21	2,533,959	0	0
WWWB-DT BLCT-860909LB	Allot.	Lakeland, FL	19	2,430,481	0	0
WBBH-TV BPCT-19990709LC	CP	Fort Myers, FL	20	844,579	0	0
WBBH-TV BLCT-19830603KM	Lic.	Fort Myers, FL	20	844,376	3	
WCJB-TV BLCT-19821029KE	Lic.	Gainesville, FL	20	548,917	4	