

Exhibit 8 - Technical Exhibit
WBVL-LP Minor Change Application
April 27, 2011

Table of Contents

Summary

Affirmation

Exhibit 8a: Channel spacing table

Exhibit 8b: Permitted operation interference report

Exhibit 8c: Proposed operation interference report

Summary

A study was performed to evaluate a proposed modification to the construction permit of WBVL-LP. The proposed modification entails a channel change to channel 259, a site move to 28 17 58.5 N, 81 21 41.4 W (NAD 27), and a change in antenna HAAT to 34.1 m.

WBVL-LP operation under the proposed modification would be fully compliant with §73.807 minimum separation requirements with respect to all co-channel, first-adjacent channel, and second-adjacent channel stations (Exhibit 8a). The modification would increase the population within WBVL-LP's 60 dBu service area from 29,191 as currently permitted to 58,286, and would increase the population within the 54 dBu contour from 39,611 as currently permitted to 88,216. Additionally, the proposed modification would decrease interference to listeners within WBVL-LP's 54 dBu contour. Under currently permitted operation, incoming interference from WBTP and WHOG is predicted to impact 6,679 (18%) of the listeners within WBVL-LP's 54 dBu contour (8b). Under proposed operation, predicted interference would only impact 176 listeners (less than 1%) within the 54 dBu contour (8c). No outgoing interference is predicted due to WBVL-LP's permitted or proposed operation.

Affirmation

I, Margaret Avenier, hereby affirm that the material contained in this section was prepared by me, and that I believe it to be a true and accurate representation of the facts as evident as of this date. I am an SBE Certified Broadcast Radio Engineer. The material herein was prepared on behalf of and at the direction of the applicant, Latinos Broadcasting Organization.

Margaret Avenier



Prometheus Radio Project

Exhibit 8a: Channel spacing table

WBVL-LP Proposed Operation						DISPLAY DATES		
REFERENCE			CLASS = L1			DATA	04-27-11	
28 17 58.5 N.			Current Spacings to 2nd Adj.			SEARCH	04-27-11	
81 21 41.4 W.			----- Channel 259 - 99.7 MHz -----					

Call		Channel		Location		Azi	Dist	FCC Margin

WLAZ	CP -D	206C3	Kissimmee	FL	151.3	15.9	8.5	7.4
WLAZ	LIC-D	206A	Kissimmee	FL	151.3	15.9	5.5	10.4
WQYK-FM	LIC	258C1	St. Petersburg	FL	248.4	110.0	99.5	10.5
WLRQ-FM	LIC	257C2	Cocoa	FL	91.9	64.9	52.5	12.4
WJKD	LIC	259C2	Vero Beach	FL	125.1	108.7	90.5	18.2
649458	APP	260D	Winter Haven	FL	229.8	46.7	14.5	32.2
637817	APP	260D	Winter Haven	FL	229.7	47.4	14.5	32.9
644933	APP	260D	Lake Wales	FL	207.0	49.1	14.5	34.6
AL1921	VAC	259A	Silver Springs Shor	FL	331.0	106.1	66.5	39.6

Exhibit 8b: Permitted operation interference report

V-Soft Communications Population Report

WBVL-LP as Permitted Buena Ventura Lakes, FL - BMPL20101102ACZ

Lat: 28-14-27 N Lng: 081-18-08 W ERP: 0.0942 kW AMSL: 48.6 m

FM Interference Study

Protected: FCC F(50-50): 54 dBu

Signal Resolution: 0.5 km

Study Date: 3/24/2011

FM Database Date: 3/18/2011

D/U Ratios Used:

Co: 20.0 dB

First Adj: 6.0 dB

Second Adj: -40.0 dB

Third Adj: -40.0 dB

Threshold for reception: 30.0 dBu.

Primary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 36,262.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WBTP (239)	2,423	6,679	18.419	52.37
WHOG-FM (239)	0	0	0.000	0.27

Totals for WBVL-LP.C (239)

Calculation Area Population:	36,262	[217.8 sq. km]
Not Affected by Terrain Loss:	36,262	[217.8 sq. km]
Interfered Population:	6,679	[52.6 sq. km]
Interference Free:	29,583	[165.2 sq. km]
Percent Interference:	18.42 %		
Terrain Blocked Population:	0	[0.0 sq. km]

Exhibit 8c: Proposed operation interference report

V-Soft Communications Population Report

WBVL-LP Proposed Operation

Lat: 28-17-58.50 N Lng: 081-21-41.40 W ERP: 0.079 kW AMSL: 45.0 m

FM Interference Study

Protected: FCC F(50-50): 54 dBu

Signal Resolution: 0.5 km

Study Date: 3/24/2011

FM Database Date: 3/18/2011

D/U Ratios Used:

Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Threshold for reception: 30.0 dBu.

Primary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 92,746.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WJKD (259)	152	176	0.190	1.61

Totals for WBVL-LP (259)

Calculation Area Population:	92,746	[198.9 sq. km]
Not Affected by Terrain Loss:	92,746	[198.9 sq. km]
Interfered Population:	176	[1.6 sq. km]
Interference Free:	92,570	[197.3 sq. km]
Percent Interference:	0.19 %		
Terrain Blocked Population:	0	[0.0 sq. km]
Contour Area Population:	93,167		