

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

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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 Avener, 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 Avener



Prometheus Radio Project

Exhibit 8a: Channel spacing table

WBVL-LP Proposed Operation

REFERENCE		DISPLAY DATES
28 17 58.5 N.	CLASS = L1	DATA 04-27-11
81 21 41.4 W.	Current Spacings to 2nd Adj.	SEARCH 04-27-11
----- 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 ShorFL	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