

R E C NETWORKS
CHANNEL REPORT

NAD27 LATITUDE: 42 - 18' 24.0" - LONGITUDE: 71 - 03' 24.0"
CHANNEL: 275 - CLASS: LPFM(LP-100)

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
272	102.3	WGTX : DUNES 102FM LLC	TRURO	MA A	87.1	0.0	87.1	111.0
272	102.3	WWHK : CAPITAL BROADCASTING CORPORATION, INC.	CONCORD	NH A	109.7	0.0	109.7	337.4
273	102.5	WKLB-FM : CHARLES RIVER BROADCASTING COMPANY	WALTHAM	MA B	14.9	67.0	-52.1	271.5
274	102.7	WRNI-FM : RHODE ISLAND PUBLIC RADIO	NARRAGANSETT PIER	RI A	104.1	56.0	48.1	199.6
275	102.9	W275BH : COSTA-EAGLE RADIO VENTURES LIMITED PARTNERSHIP	LAWRENCE	MA D	42.3	32.0	10.3	344.9
275	102.9	WBLM : RADIO LICENSE HOLDING CBC, LLC	PORTLAND	ME C0	185.6	122.0	63.6	14.1
275	102.9	WPXC : CODCOMM, INC.	HYANNIS	MA A	90.4	67.0	23.4	139.3
275	102.9	WPXC : CODCOMM, INC.	HYANNIS	MA B1	90.4	87.0	3.4	139.3
275	102.9	WDRC-FM : BUCKLEY BROADCASTING OF CONNECTICUT, LLC	HARTFORD	CT B	169.8	112.0	57.8	241.3
275	102.9	WPXC : CODCOMM, INC.	HYANNIS	MA A	97.0	67.0	30.0	138.5
275	102.9	W275BH : COSTA-EAGLE RADIO VENTURES LIMITED PARTNERSHIP	LAWRENCE	MA D	42.3	39.0	3.3	344.9
277	103.3	WODS : CBS RADIO EAST INC.	BOSTON	MA B	13.8	67.0	-53.2	270.4
277	103.3	WODS : CBS RADIO EAST INC.	BOSTON	MA B	5.0	67.0	-62.0	334.2
278	103.5	WCCH : HOLYOKE COMMUNITY COLLEGE	HOLYOKE	MA D	131.3	0.0	131.3	265.2

Based on FCC data at close of business, September 6, 2013.

LPFM SECOND ADJACENT CHANNEL WAIVER STUDY

Dorchester, MA
Channel 275L1 (102.9 MHz)

Based on a study performed by Michelle Bradley of REC Networks, it has been determined that this proposed site qualifies for a second adjacent waiver as specified in Section 73.807(e) of the Commission's Rules.

The proposed LPFM station would operate 0.1 kW with a radiation center of 42 meters above ground level (27 meters HAAT).

Station WKLB (Facility ID # 10542) operates on Channel 273B and is located 14.9 km from the proposed LPFM site. WKLB operates 14kW at 284.7m HAAT towards the proposed LPFM site. WKLB places an 84.138 dBu F(50, 50) service contour at the LPFM site.

Station WODS (Facility ID # 9639) operates on Channel 277B and is currently located 13.8 km from the proposed LPFM site. WODS operates 8.7 kW at 245.6m HAAT towards the proposed LPFM site. WODS places an 85.519 dBu F(50, 50) service contour at the LPFM site. WODS has a granted construction permit¹ that will move the station closer to the LPFM site. At the new site, WODS will operate 21kW at 245.6m HAAT towards the proposed LPFM site. In the upgraded facilities, WODS will place a 102.203 dBu F(50, 50) service contour at the LPFM site.

For the purposes of determining the size of the zone of prohibited overlap, we will evaluate the weakest facility (WKLB).

Using the U/D method, we have determined that the prohibited overlap goes as far as the 124.138 dBu F(50, 10) interference contour of the proposed LPFM station. Using the free-space method, this contour is 44 km meters from the radiation center of the antenna.

Using the formula $\sqrt{height^2 * contour^2}$, the interference contour reaches the ground at the base of the tower and extends out 13.1 meters. The only structures within 13.1 meters of the tower is an unoccupied communications building that is used to service the tower. There are no other occupied residential or business structures and no major highways within the overlap zone. See the enclosed satellite photography.

Therefore, based on the information presented, REC submits that the proposed LPFM station will not create any interference to existing or potential listeners of second adjacent channel stations WKLB, WODS and WODS (construction permit).

Report completed by
Michelle Eyre Bradley
Founder, REC Networks

¹ - See BPH-20130528ABR, granted June 27, 2013.

The following map shows the prohibited overlap zone at the radiation center of the antenna (44 meters) in blue and the prohibited overlap zone at ground level (13.1 meters from the base of the tower). This map demonstrates that the proposed LPFM site will not create any harmful interference to potential listeners of WKLB and WODS.

