

R E C NETWORKS  
CHANNEL REPORT

NAD27 LATITUDE: 42 - 58' 57.4" - LONGITUDE: 85 - 39' 54.5"  
CHANNEL: 247 - CLASS: LPFM(LP-100)

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
245	96.9	WLAV-FM : RADIO LICENSE HOLDING CBC, LLC	GRAND RAPIDS	MI B	13.1	67.0	-53.9	64.0
247	97.3	WRNW : CAPSTAR TX LLC	MILWAUKEE	WI B	184.9	112.0	72.9	275.1
247	97.3	WDEE-FM : STEVEN V. BEILFUSS	REED CITY	MI A	88.8	67.0	21.8	2.5
248	97.5	WWSN : RADIO LICENSE HOLDING CBC, LLC	WHITEHALL	MI A	69.8	56.0	13.8	310.0
248	97.5	WYDM : MONROE PUBLIC ACCESS CABLE TELEVISION, INC.	MONROE	MI D	218.1	13.0	205.1	122.2
248	97.5	WJIM-FM : RADIO LICENSE HOLDING CBC, LLC	LANSING	MI B	101.2	97.0	4.2	109.3
250	97.9	WGRD-FM : TOWNSQUARE MEDIA OF GRAND RAPIDS, INC.	GRAND RAPIDS	MI B	20.8	0.0	20.8	176.4

\* Does not meet third adjacent channel spacing under LCRA Sect 7.

Prepared based on FCC data - close of business 08/16/2013

## **LPFM SECOND ADJACENT CHANNEL WAIVER STUDY**

Grand Rapids, MI  
Channel 247L1 (97.3 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.

Station WLAV-FM (Facility ID 41680) operates on Channel 245B and is located 13.1 km from the proposed LPFM site. WLAV-FM operates 50kW at 168 meters effective height above average terrain towards the LPFM site. WLAV-FM places an 87.346 dBu (F50, 50) signal strength at the proposed LPFM site.

Using the U/D method, we have determined that the prohibited overlap goes as far as the 127.346 dBu (F50, 10) interference contour of the proposed LPFM station. This contour is located at 30 meters from the radiation center of the antenna.

The radiation center of the LPFM antenna is 33 meters above ground. From the radiation center in all directions, there are no occupied buildings or major highways. The predicted interference will never reach the ground.

Therefore, REC submits that the proposed LPFM station will not create any interference to existing or potential listeners of second adjacent channel station WLAV-FM.

Report completed by  
Michelle Eyre Bradley  
Founder, REC Networks