Channel Study

REFERENCE — CH# 252D - 98.3 MHz, Pwr= 0.17 kW, HAAT= 24.3 M, COR= 209 M — DISPLAY DATES
42 19 37.0 N. — Average Protected F(50-50)= 6.4 km — DATA 11-11-08
83 09 11.0 W. — SEARCH 11-11-08

CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
252D	W252BX	LIC	C	0.0	0.00	42 19 37.0	0.170	21.5	6.4	-27.64*	-26.92*
Detroit		MI		0.0	BLFT20080131AOA	83 09 11.0		209	Educational Media Foundati		
254B	WVMV	LIC	CN	2.2	7.57	42 23 42.0	50.000	6.0	65.3	-4.64	-59.34*
Detroit		MI		182.2	BLH19890928KF	83 08 58.0	141	332	Cbs Radio East Inc.		
250B	WJLB	LIC	CN	20.8	9.42	42 24 22.0	50.000	6.1	65.9	-3.10	-58.07*
Detroit		MI		200.9	BLH19810811AO	83 06 44.0	149	339	Amfm Radio Licenses, L.l.c		
252A	WTWR-FM	LIC	ZCX	198.8	77.29	41 40 05.0	3.400	85.0	29.3	-9.37*	44.05
Luna Pier		MI		18.6	BLH20070301ABH	83 27 11.0	135	316	Cumulus Licensing Llc		
252A	AL2988	AL		40.5	94.77	42 58 20.0	6.000	86.9	38.0	-0.94	27.31
Sarnia		ON		221.0		82 23 48.0	100	286			
252D	641393	APP	C	339.1	29.89	42 34 41.0	0.013	22.7	6.8	1.90	5.84
Bloomfield Hills		MI		159.0	BNPFT20030317EAM	83 17 01.0		335	Educational Media Foundati		
252D	649634	APP	C	348.9	42.40	42 42 05.0	0.010	26.4	7.8	10.24	15.50
Avon Township		MI		168.8	BNPFT20030317JJZ	83 15 11.0		445	Michigan Community Radio		
252D	641287	APP	C	328.5	59.66	42 47 02.0	0.004	18.1	5.5	36.97	39.50
Holly		MI		148.3	BNPFT20030317DZA	83 32 05.0		454	Educational Media Foundati		
252D	W252BA	LIC	C	267.8	77.02	42 17 48.0	0.250	23.8	7.1	51.66	66.44
Chelsea		MI		87.2	BLFT20070309ADV	84 05 11.0		309	Spring Arbor University		
251B	WKCQ	LIC	CN	333.0	136.36	43 25 04.0	50.000	77.7	64.7	53.78	61.72
Saginaw		MI		152.5	BLH19870819KF	83 55 06.0	150	332	The Macdonald Broadcasting		
249D	651196	APP	C	202.4	74.89	41 42 12.0	0.010	0.2	8.2	73.05	66.69
Bedford Township		MI		22.1	BNPFT20030317LQM	83 29 48.0		368	Michigan Community Radio		

Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone = 1. With 3rd Adj Channels.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
Reference station has protected zone issue: Canada.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WVMV, channel 254B, Detroit, MI. The predicted F(50-50) field strength of WVMV at the proposed translator site is 96 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 136 dBu. This interfering contour extends approximately 14.5 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 28 meter level on a 30 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12D), which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 14.5 meter interference aperture.

Therefore, EMF respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

Educational Media Foundation

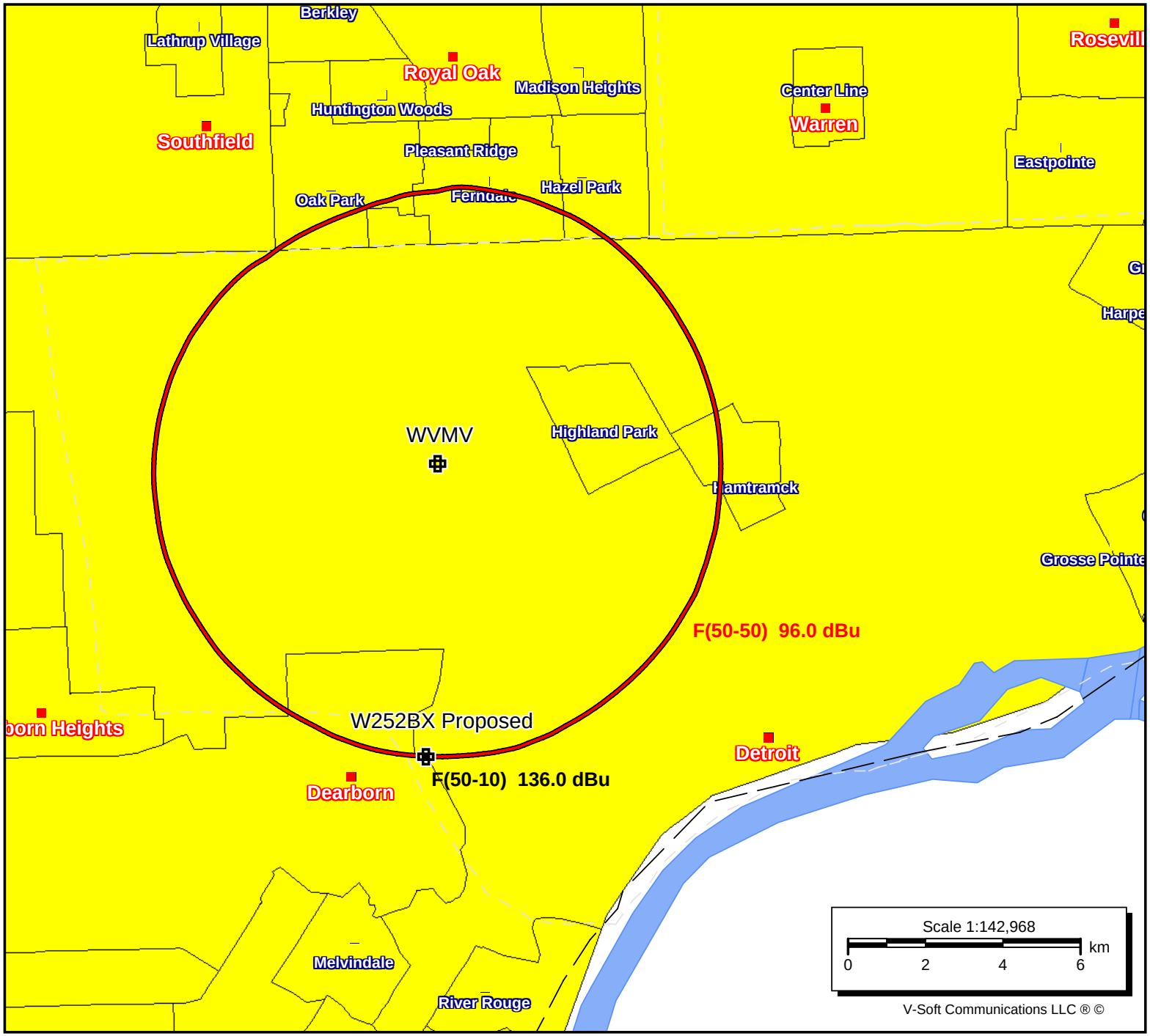
Exhibit 12A-1
Detroit, MI

W252BX Proposed

Latitude: 42-19-37 N
Longitude: 083-09-11 W
ERP: 0.17 kW
Channel: 252
Frequency: 98.3 MHz
AMSL Height: 209.0 m
Elevation: 181.0 m

WVMV
BLH19890928KF
Latitude: 42-23-42 N
Longitude: 083-08-58 W
ERP: 50.00 kW
Channel: 254
Frequency: 98.7 MHz
AMSL Height: 332.0 m
Elevation: 197.0 m

W252BX Proposed
WVMV



Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WJLB, channel 250B, Detroit, MI. The predicted F(50-50) field strength of WJLB at the proposed translator site is 92.5 dBu, (see Exhibit 12B-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 132.5 dBu. This interfering contour extends approximately 21.6 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 28 meter level on a 30 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12D), which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 21.6 meter interference aperture.

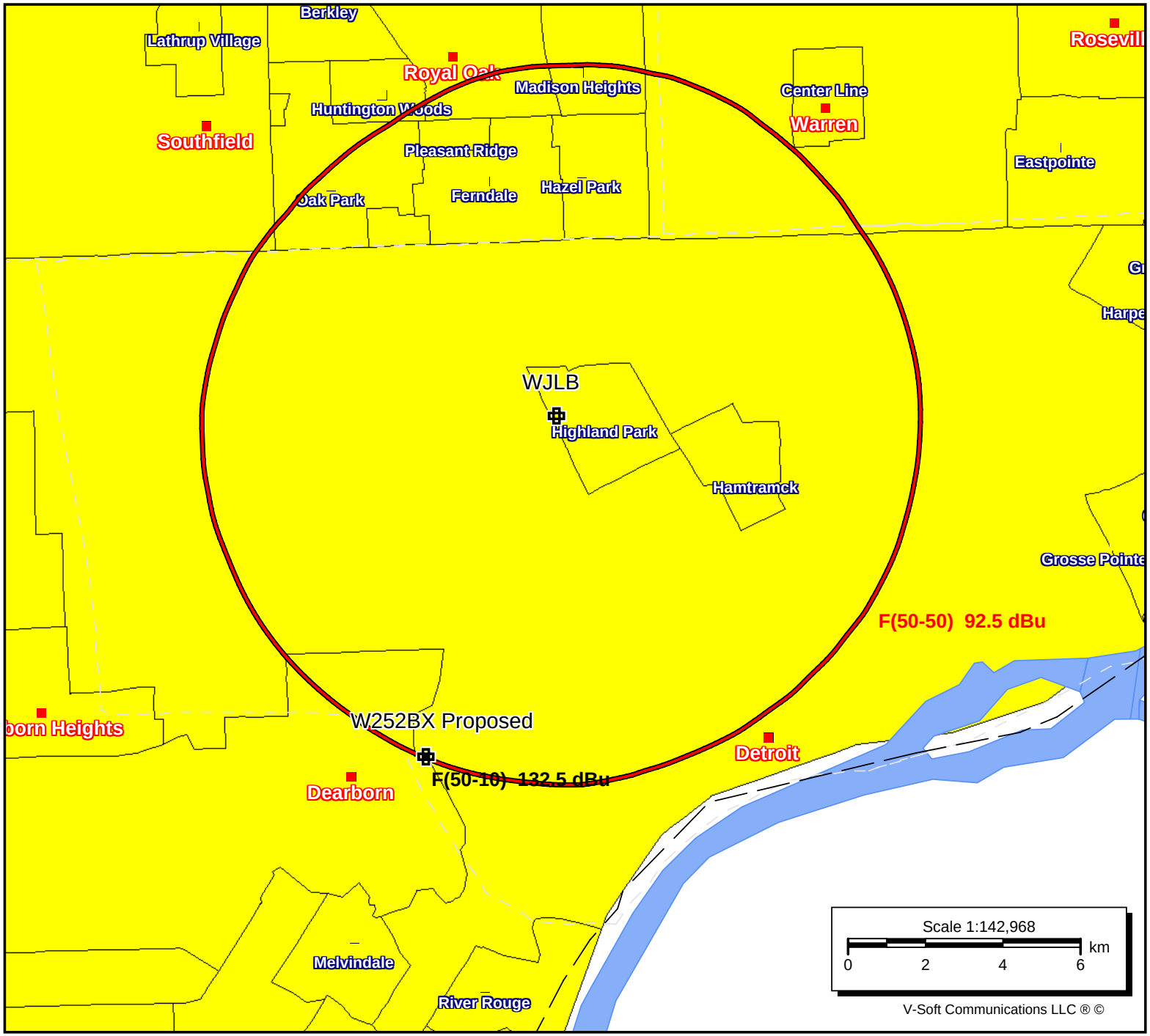
Therefore, EMF respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

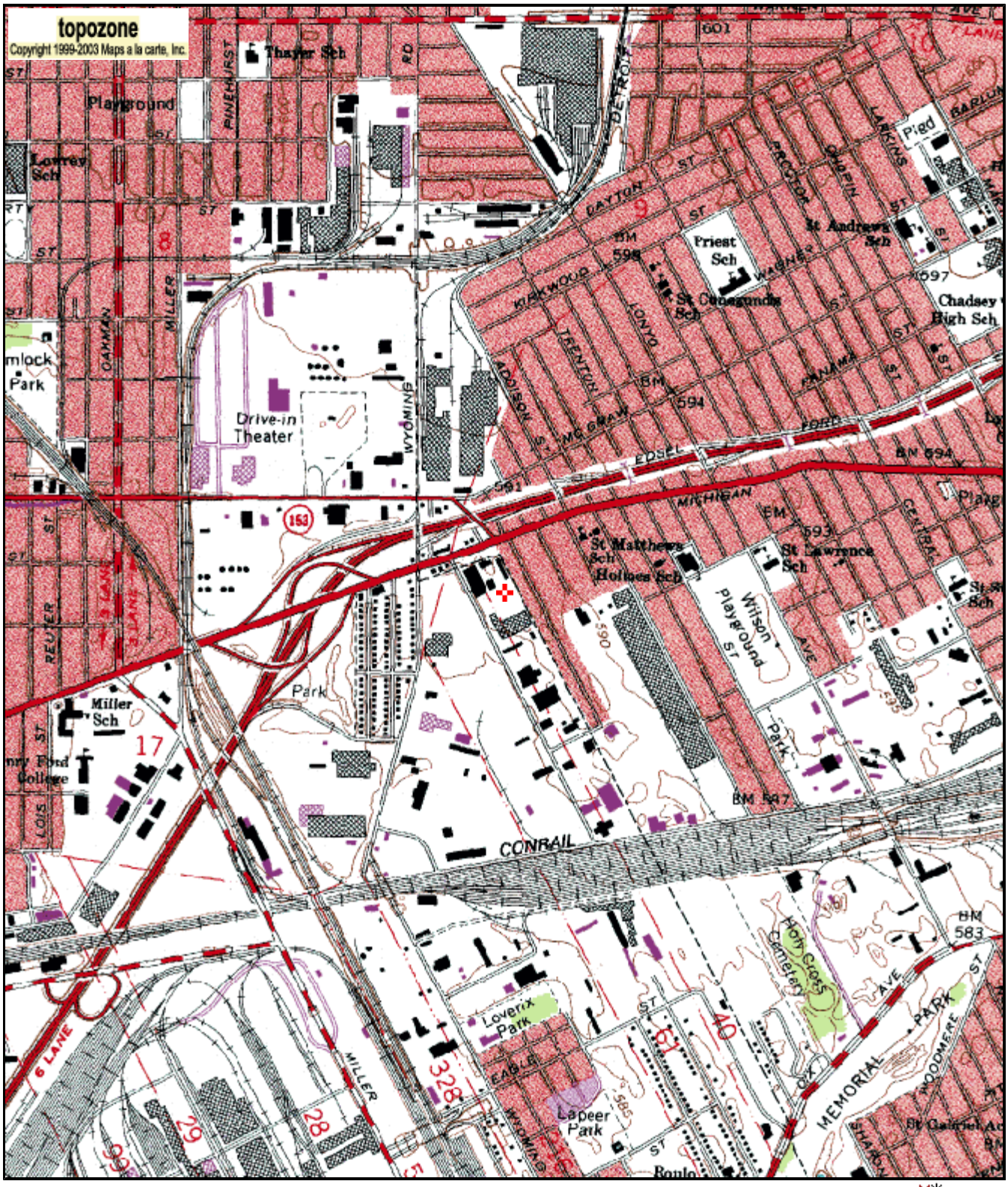
W252BX Proposed

Latitude: 42-19-37 N
Longitude: 083-09-11 W
ERP: 0.17 kW
Channel: 252
Frequency: 98.3 MHz
AMSL Height: 209.0 m
Elevation: 181.0 m

WJLB
BLH19810811AO
Latitude: 42-24-22 N
Longitude: 083-06-44 W
ERP: 50.00 kW
Channel: 250
Frequency: 97.9 MHz
AMSL Height: 339.0 m
Elevation: 195.0 m

W252BX Proposed
WJLB





0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi

42° 19' 37"N, 83° 09' 11"W (NAD27)
USGS Dearborn (MI) Quadrangle
Projection is UTM Zone 17 NAD83 Datum

M=-7.103
G=-1.45