

Channel Study

REFERENCE		CH# 236D - 95.1 MHz, Pwr= 0.01 kW, HAAT=78.9M, COR= 265 M								DISPLAY DATES	
41 33 30.0 N.		Average Protected F(50-50)= 5.2 km								DATA 07-24-07	
83 33 34.0 W.										SEARCH 07-24-07	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
236D Perrysburg	W236BH	CP C OH	0.0 0.0	0.00 BNPFT20030828BEW	41 33 30.0 83 33 34.0	0.010 86	17.6 269	5.4 Educational Media Foundati	-22.85*	-22.48*	
233B Port Clinton	WXKR	LIC ZCN OH	105.6 285.8	25.09 BLH19920629KD	41 29 51.0 83 16 12.0	29.517 191	5.8 374	64.5 Cumulus Licensing Llc	14.03	-39.82*	
239A Gibsonburg	WIMX	LIC ZCN OH	129.2 309.3	15.21 BLH19931020KA	41 28 19.0 83 25 05.0	3.278 134	2.6 321	28.1 Urban Radio Licenses, Llc	7.53	-13.07*	
236B Fort Wayne	WAJI	LIC CN IN	250.2 69.1	145.63 BLH19900226KE	41 06 13.0 85 11 28.0	39.000 211	139.9 453	69.1 Sarkes Tarzian, Inc.	0.56	52.27	
236B Fort Wayne	WAJI	APP CX IN	250.4 69.3	145.69 BPH20070117ACU	41 06 27.8 85 11 38.1	36.700 212	138.6 454	68.6 Sarkes Tarzian, Inc.	1.86	52.79	
237A Adrian	WQTE	LIC CN MI	302.0 121.6	51.95 BLH7225	41 48 15.0 84 05 25.0	3.000 111	38.7 329	25.5 Friends Communications Of	8.04	19.18	
236A Windsor	CKUE-FM-1	DEL DCN ON	30.7 211.1	101.12	42 20 20.0 82 55 53.0	5.999 69	81.0 256	32.8	12.63	43.29	
236B Chatham	CKSYFM	OPE CN ON	50.4 231.4	157.33	42 27 00.0 82 05 00.0	35.000 180	133.8 354	65.1	16.15	67.37	
236B Flint	WFBE	RSV MI	357.3 177.3	157.38	42 58 25.0 83 39 01.0	50.000 127	134.6 394	61.8 Citadel Broadcasting Compa	17.46	70.89	
236D Monroe	W236BI	CP DV MI	24.6 204.8	41.05 BNPFT20030811AEP	41 53 38.0 83 21 10.0	0.002 95	11.4 266	3.5 Calvary Chapel Of Twin Fal	24.29	20.10	
236B Chatham	CKUE-FM	PRO DCN ON	50.4 231.3	154.97	42 26 14.0 82 06 23.0	38.381 105	125.3 277	55.7	22.28	74.42	
236A Mount Gilead	WVXG	LIC DCX OH	149.4 329.9	125.05 BMLH20031029ACW	40 35 15.0 82 48 20.0	4.628 129	87.2 460	29.8 Ics Holdings Inc.	32.83	79.27	
238B Detroit	WKQI	LIC C MI	16.2 196.4	105.88 BLH19990920ABM	42 28 23.0 83 11 59.0	100.000 146	7.0 338	71.6 Amfm Radio Licenses, L.l.c	93.41	33.80	
234B Birmingham	WCSX	LIC CN MI	18.0 198.3	104.70 BMLH19981008KA	42 27 13.0 83 09 50.0	13.500 298	5.5 488	66.0 Greater Boston Radio, Inc.	93.73	38.29	
237A Norwalk	WLKR-FM	LIC C OH	112.0 292.6	81.48 BMLH20000615AFD	41 16 49.0 82 39 27.0	3.300 96	36.7 312	24.2 Elyria-lorain Broadcasting	39.55	49.92	
236B Flint	WFBE	LIC DCN MI	356.6 176.5	162.68 BMLH19970808KC	43 01 13.0 83 40 40.0	32.967 61	113.1 311	44.6 Citadel Broadcasting Compa	44.28	93.31	
235A Ada	WONB	LIC CN OH	194.9 14.7	91.02 BLED19911023KC	40 45 58.0 83 50 14.0	3.000 117	39.6 381	26.0 Ohio Northern University	46.52	58.11	
238D Baird	AP8650	APP C OH	186.9 6.8	58.48 BNPFT20030807AGT	41 02 08.0 83 38 36.0	0.120 35	0.8 269	6.3 Educational Media Foundati	52.77	51.92	
238D Baird	AP1280	APP C OH	186.9 6.8	58.48 BNPFT20030313BEM	41 02 08.0 83 38 36.0	0.120 35	0.8 269	6.3 Educational Media Foundati	52.77	51.92	
237A Kenton	WKTN	LIC CN OH	180.3 0.3	101.46 BMLH19981218KA	40 38 41.0 83 33 59.0	3.500 103	38.8 381	25.5 Radio General, Ltd.	57.72	69.06	
236B Flint	WFBE	APP ZCX MI	356.6 176.5	162.68 BPH20070518ADJ	43 01 13.0 83 40 40.0	7.834 93	89.8 343	39.6 Citadel Broadcasting Compa	67.64	98.31	

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

""affixed to 'IN' or 'Out' values = site inside protected contour.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WXKR, channel 233B, Port Clinton, OH. The predicted F(50-50) field strength of WXKR at the proposed translator site is 74.8 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 114.8 dBu. This interfering contour extends approximately 40.3 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 67 meter level on a 76 meter tower).

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WIMX, channel 239A, Gibsonburg, OH. The predicted F(50-50) field strength of WIMX at the proposed translator site is 71.1 dBu, (see Exhibit 12A-2). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 111.1 dBu. This interfering contour extends approximately 61.7 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 67 meter level on a 76 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12A-3), and aerial photo (see Exhibit 12A-4), both indicating a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 40.3 or 61.7 meter interference apertures.



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

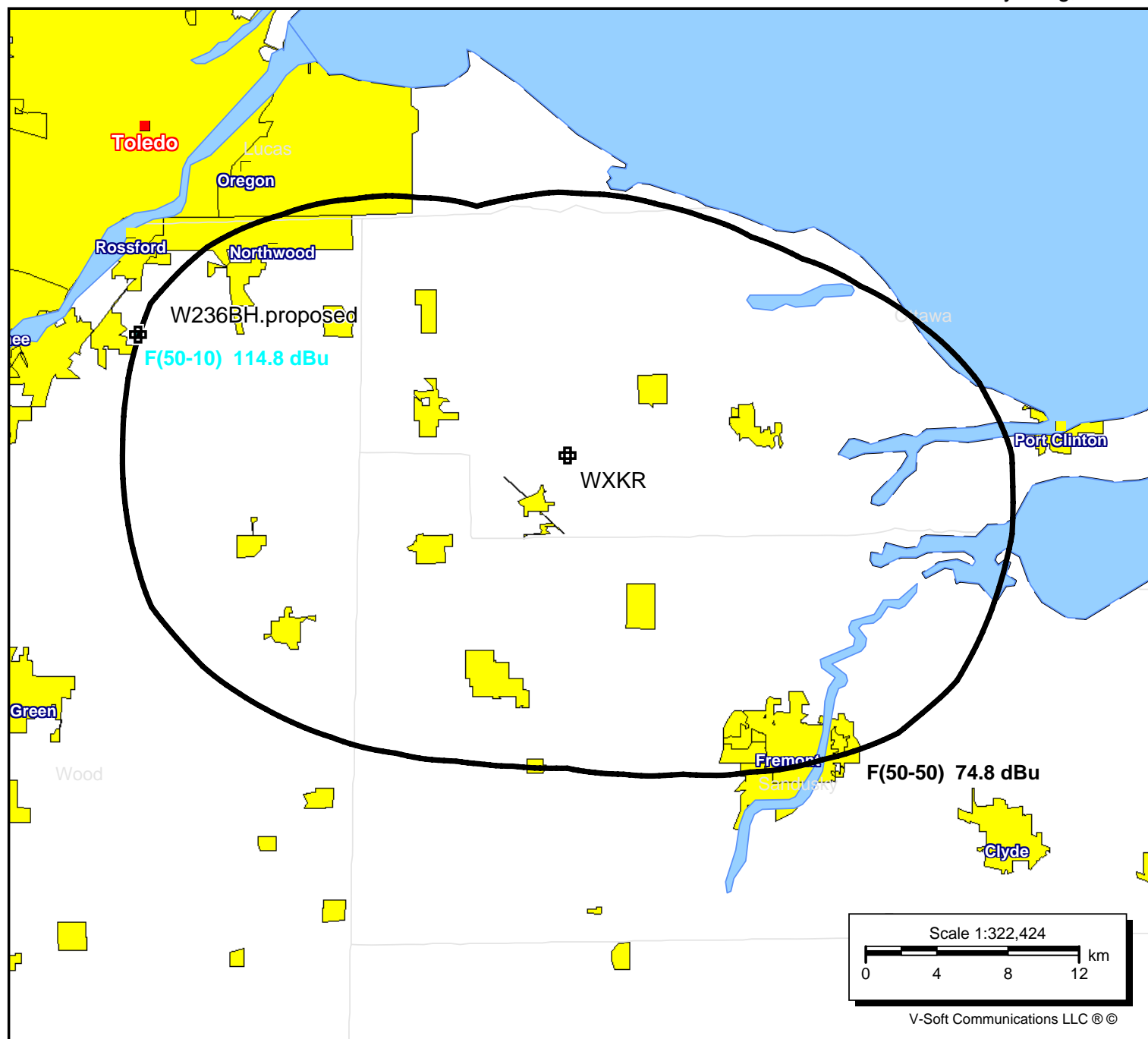
W236BH.proposed

Latitude: 41-33-30 N
Longitude: 083-33-34 W
ERP: 0.01 kW
Channel: 236
Frequency: 95.1 MHz
AMSL Height: 265.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WXKR

BLH19920629KD
Latitude: 41-29-51 N
Longitude: 083-16-12 W
ERP: 30.00 kW
Channel: 233
Frequency: 94.5 MHz
AMSL Height: 374.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

 W236BH.proposed
 WXKR



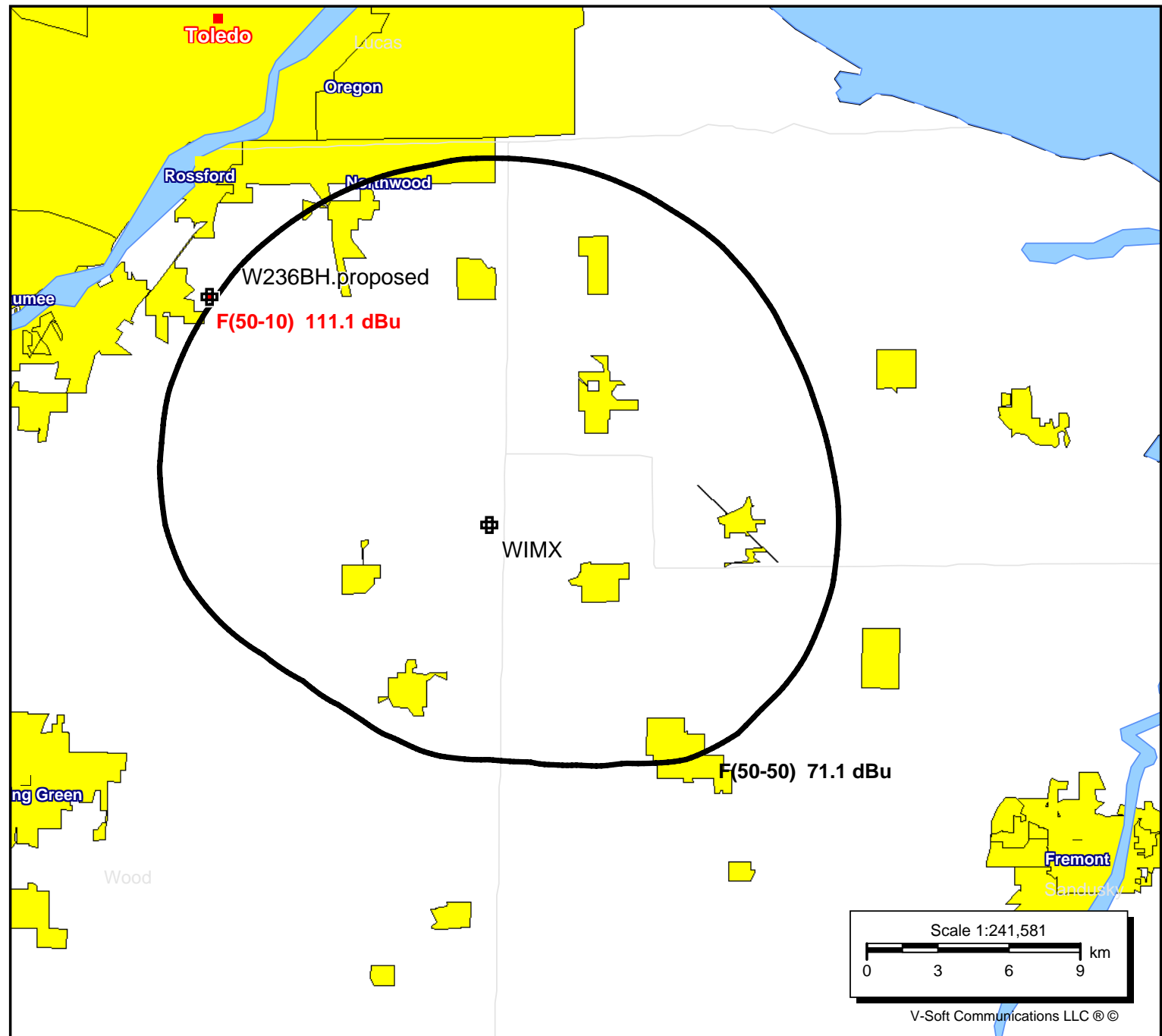
W236BH.proposed

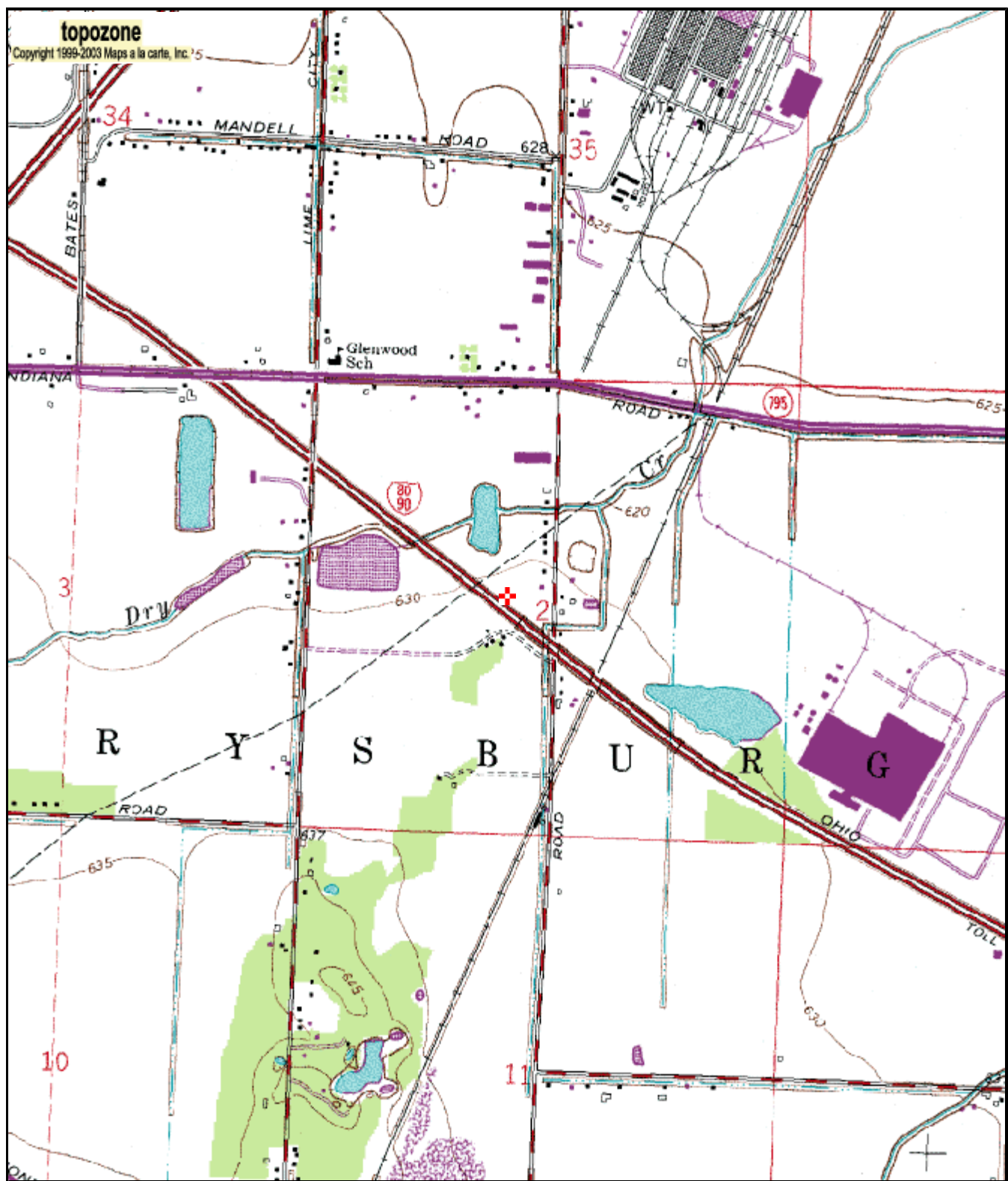
Latitude: 41-33-30 N
Longitude: 083-33-34 W
ERP: 0.01 kW
Channel: 236
Frequency: 95.1 MHz
AMSL Height: 265.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WIMX

BLH19931020KA
Latitude: 41-28-19 N
Longitude: 083-25-05 W
ERP: 3.50 kW
Channel: 239
Frequency: 95.7 MHz
AMSL Height: 321.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

■ W236BH.proposed
■ WIMX





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

41° 33' 30"N, 83° 33' 34"W (NAD27)
USGS Rossford (OH) Quadrangle
Projection is UTM Zone 17 NAD83 Datum

M^k
M=-6.538
G=-1.699



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Pointer 41°33'30.03" N 83°33'34.01" W elev 630 ft

Streaming ||||| 100%

Eye alt 1682 ft