

Channel Study

REFERENCE		CH# 273D - 102.5 MHz, Pwr= 0.01 kW, HAAT= 278.9 M, COR= 597 M								DISPLAY DATES	
41 03 53.0 N.		Average Protected F(50-50)= 9.8 km								DATA 11-26-07	
81 34 59.0 W.										SEARCH 11-26-07	
CH CITY	CALL	TYPE STATE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
273D Akron	W273BL	CP	C OH	0.0 0.0	0.00 BNPFT20030821AFN	41 03 53.0 81 34 59.0	0.009	25.5 452	7.5 Educational Media Foundati	-36.01*	-42.69*
271B Cleveland	WDOK	LIC	CX OH	344.3 164.3	36.70 BMLH20020611AAI	41 22 58.0 81 42 07.0	12.000 306	4.6 570	57.6 Cbs Radio Stations Inc.	22.32	-21.37*<
273B Pittsburgh	WDVE	LIC	CN PA	115.2 296.2	146.45 BMLH19900323KB	40 29 38.0 80 01 09.0	55.000 250	151.3 553	74.9 Capstar Tx Limited Partner	-14.53*<	26.57
273B Zanesville	WHIZ-FM	LIC	ZCX OH	195.2 14.9	130.71 BLH20020628ABX	39 55 42.0 81 59 07.0	50.000 151	119.8 410	57.4 Southeastern Ohio Broadcas	0.93	26.79
275B Sharon	WYFM	LIC	NCX PA	90.3 270.9	79.32 BLH20030702AAA	41 03 26.0 80 38 22.0	33.000 184	6.0 508	65.6 Cumulus Licensing Llc	63.63	13.26
273A Edgewood	WZOO-FM	LIC	NCN OH	36.4 216.9	105.93 BLH19911104KD	41 49 44.0 80 49 28.0	5.800 100	81.1 329	24.2 Sweet Home Ashtabula, Llc	14.75	48.28
274D Jefferson	W274AN	LIC	C OH	223.2 43.0	43.32 BLFT20061011AAQ	40 46 49.0 81 56 06.0	0.013	6.9 392	5.0 Mansfield Christian School	26.89	25.04
274B Sandusky	WCPZ	LIC	DCN OH	294.8 114.0	101.55 BLH19901226KA	41 26 28.0 82 41 14.0	50.000 41	57.3 227	44.9 Citicasters Licenses, L.p.	34.79	36.87
273B1 Baltimore	AL3194	RSV		211.8 31.1	165.15 RM111111*	39 47 51.0 82 36 07.0	25.000 100	115.3 384	46.3	40.10	80.29
273B1 Baltimore	WHIZ-FM	CP	CX OH	215.2 34.5	173.64 BPH20060327AHM	39 47 00.0 82 45 21.0	11.000 152	105.7 421	45.9 Southeastern Ohio Broadcas	58.27	89.34
272A Galion	WFXN-FM	LIC	CN OH	251.8 71.0	107.24 BLH19920511KE	40 45 26.0 82 47 23.0	3.500 131	39.5 482	25.9 Capstar Tx Limited Partner	58.39	68.21
274A Cambridge	WCMJ	RSV		182.7 2.7	113.92	40 02 24.0 81 38 50.0	6.000 100	43.4 383	28.1 Avc Communications, Inc.	60.68	72.06
274A Cambridge	WCMJ	APP	CX OH	182.7 2.7	113.92 BPH20070405ABI	40 02 24.0 81 38 50.0	4.500 116	42.7 395	27.8 Avc Communications, Inc.	61.40	72.33
270A Hubbard	WRBP	LIC	CN OH	87.8 268.5	90.95 BLH19930726KC	41 05 29.0 80 30 05.0	3.000 100	2.4 418	25.4 Bernard Ohio Llc	78.91	65.34

Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM
ERP and HAAT on direct-line with reference station.

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.

"<" = Contour Overlap.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WDOK, channel 271B, Cleveland, OH. The predicted F(50-50) field strength of WDOK at the proposed translator site is 64.5 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 104.5 dBu. This interfering contour extends approximately 131.9 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 265 meter level on a 292 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12A-2) and aerial photo (see Exhibit 12A-3), which indicate a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 131.9 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.

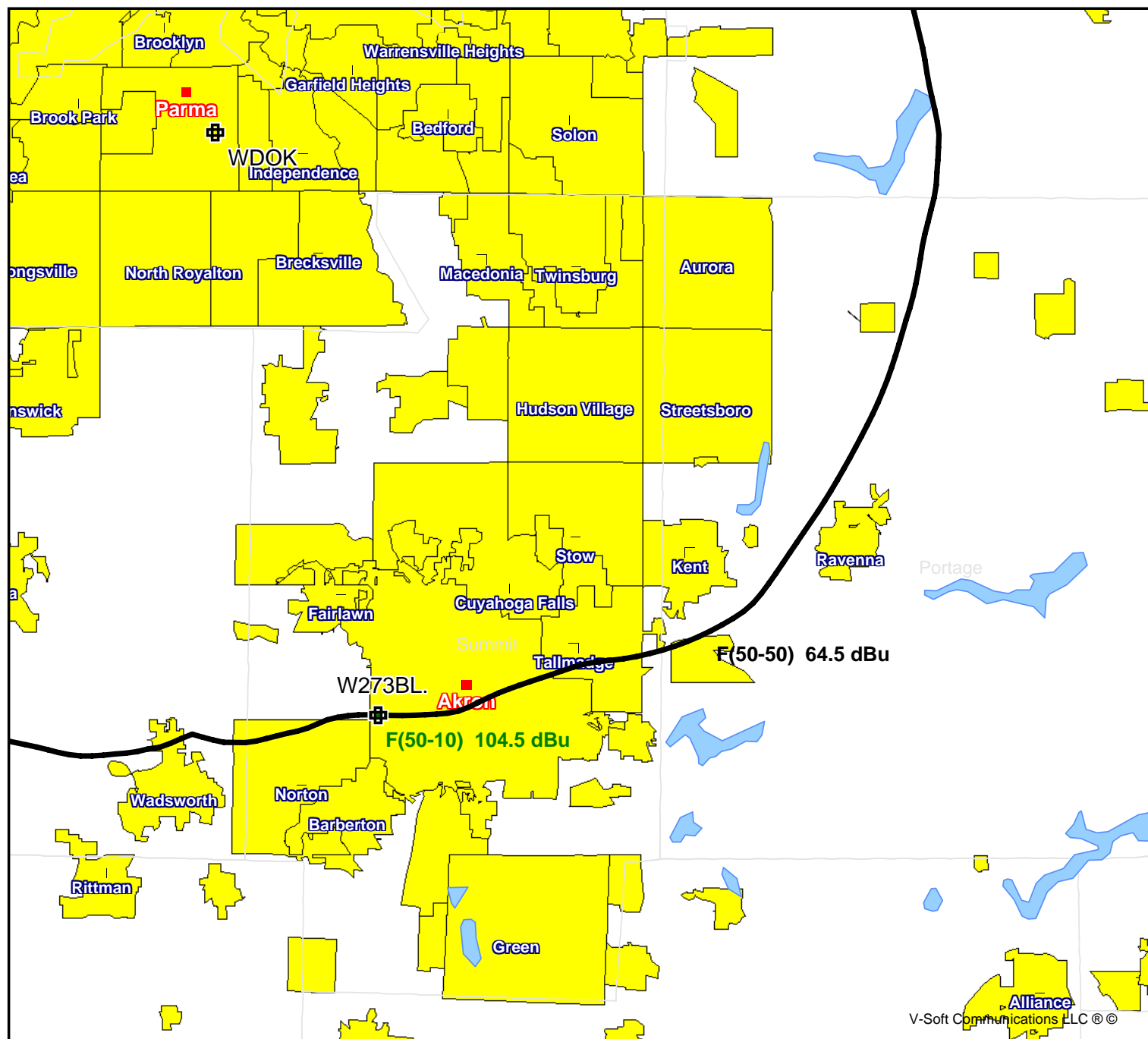
W273BL.

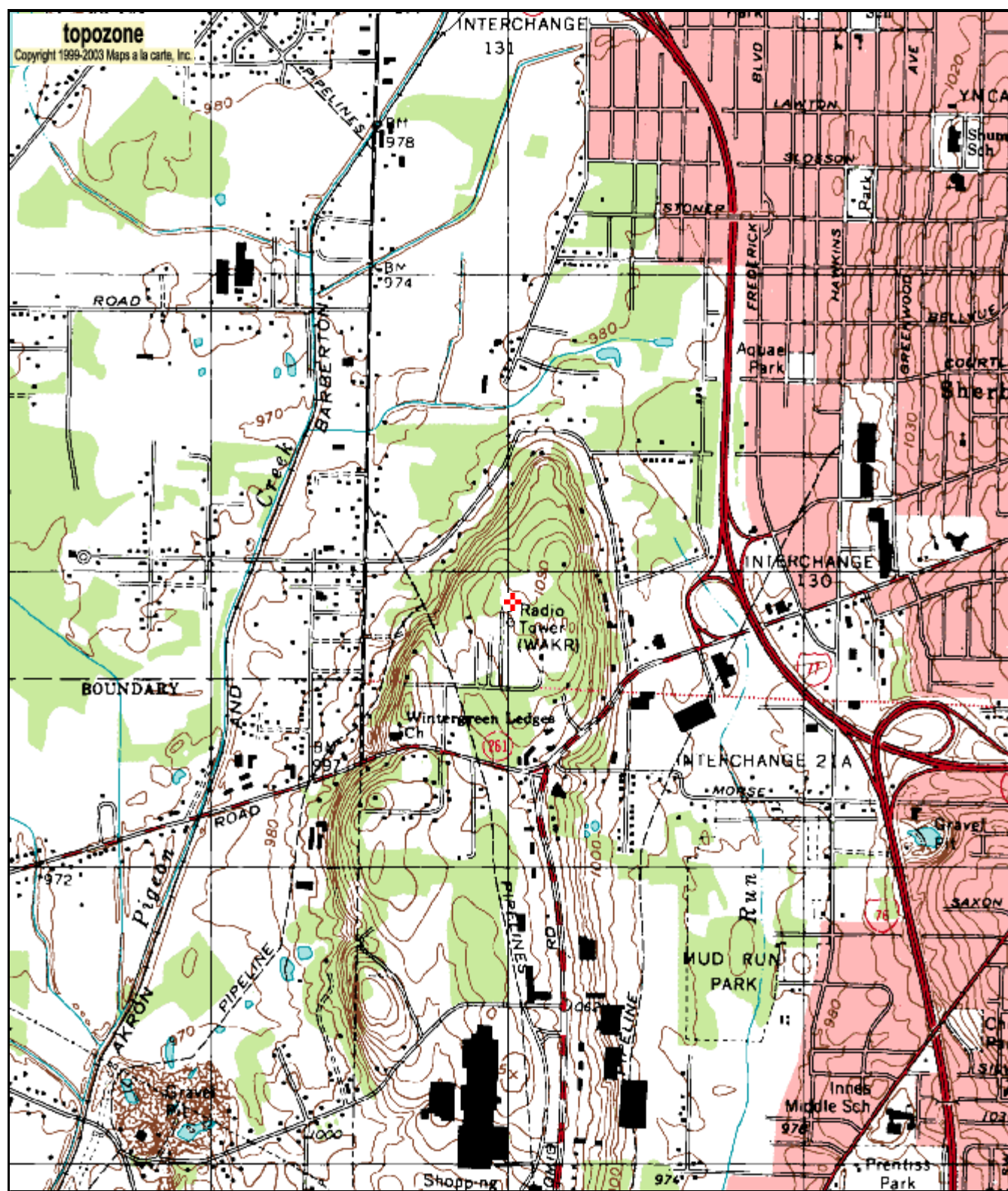
Latitude: 41-03-53 N
Longitude: 081-34-59 W
ERP: 0.01 kW
Channel: 273
Frequency: 102.5 MHz
AMSL Height: 597.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WDOK

BMLH20020611AAI
Latitude: 41-22-58 N
Longitude: 081-42-07 W
ERP: 12.00 kW
Channel: 271
Frequency: 102.1 MHz
AMSL Height: 570.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

■ W273BL.
■ WDOK





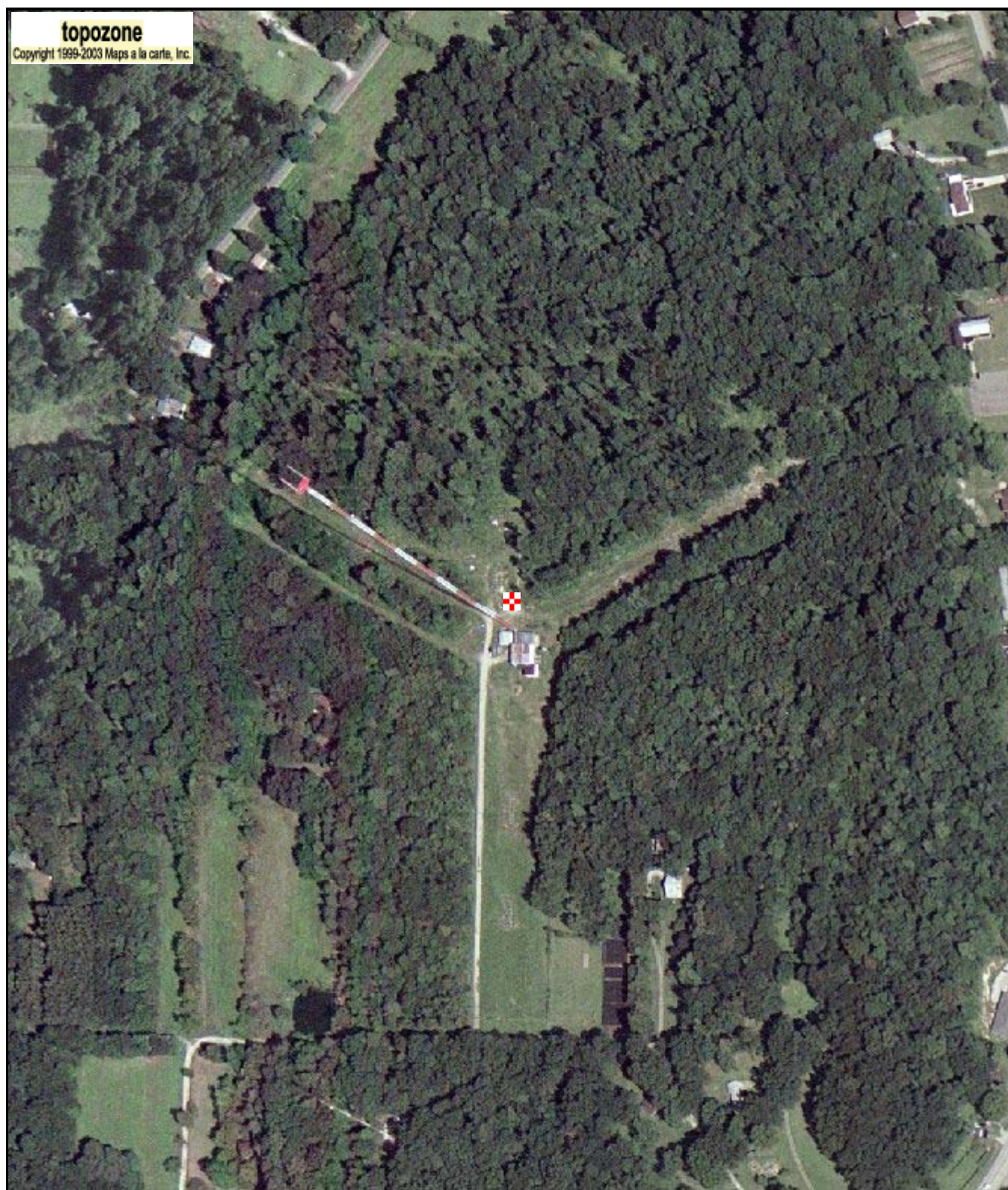
0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi

41° 03' 53"N, 81° 34' 59"W (NAD27)

WAKC-TV (Akron), USGS Akron West (OH) Quadrangle

Projection is UTM Zone 17 NAD83 Datum

M*
M=-8.017
G=-0.383



0 0.07 0.14 0.21 0.28 0.35 km
0 0.04 0.08 0.12 0.16 0.2 mi

41° 03' 53"N, 81° 34' 59"W (NAD27)
WAKC-TV (Akron), USGS Akron West (OH) Quadrangle
Projection is UTM Zone 17 NAD83 Datum

M*
M=-8.017
G=-0.383