

Channel Study

REFERENCE		CH# 219D - 91.7 MHz, Pwr= 0.01 kW, HAAT=206.9M, COR= 525 M								DISPLAY DATES	
41 03 53.0 N.		Average Protected F(50-50)= 8.4 km								DATA 06-15-07	
81 34 59.0 W.										SEARCH 06-15-07	
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*	
220B1 Wadsworth	AP0154	APP DCX OH	241.2 61.0	38.42 BNPED20000118AAR	40 53 53.0 81 58 59.0	11.500 116	53.8 435	35.3 Educational Media Foundati	-23.41	-8.22	
220B1 Wadsworth	AP1973	APP DCX OH	241.2 61.0	38.42 BNPED20000118AAR	40 53 53.0 81 58 59.0	11.500 116	53.8 435	35.3 Educational Media Foundati	-23.41	-8.22	
220B1 Brunswick	AP9464	APP ZCX OH	239.1 58.8	35.22 BNPED20000118AAK	40 54 06.0 81 56 31.0	7.851 122	50.5 439	33.0 Csn International	-23.31	-9.23	
220B1 Wadsworth	AP2160	APP ZCN OH	242.4 62.1	38.33 BNPED20000118AEN	40 54 16.0 81 59 11.0	10.000 121	53.1 438	34.8 Mary V. Harris Foundation	-22.69	-7.83	
220B1 Wadsworth	AP2387	APP ZCX OH	242.4 62.1	38.33 BNPED20000118AEN	40 54 16.0 81 59 11.0	10.000 121	53.1 438	34.8 Mary V. Harris Foundation	-22.69	-7.83	
219D Wadsworth	W219BT	LIC CN OH	270.2 90.1	13.12 BLFT19990510UB	41 03 54.0 81 44 21.0	0.019 102	23.1 423	6.9 Educational Media Foundati	-17.79	-20.20	
220B1 Wooster	990407ME	APP DCX OH	242.4 62.1	38.33 BPED19990407ME	40 54 16.0 81 59 11.0	7.800 121	50.3 438	32.9 The Cedarville University	-19.94	-5.87	
217A Akron	WAPS	LIC DCX OH	0.0 0.0	0.00 BLED20021122AAD	41 03 53.0 81 34 59.0	0.405 151	1.4 424	18.2 Board Of Education, Akron	-10.68*	-18.41*	
219A Youngstown	WYTN	LIC CN OH	90.3 270.9	78.86 BLED19910605KF	41 03 28.0 80 38 42.0	0.900 194	73.4 510	24.7 Family Stations, Inc.	-2.81	26.30	
219A Mansfield	WOSV	LIC CN OH	242.8 62.2	85.76 BLED19900116KA	40 42 33.0 82 29 11.0	0.750 169	67.8 514	22.4 The Ohio State University	10.03	36.58	
218A Bainbridge	WKHR	LIC C OH	28.5 208.7	50.49 BLED20011116ABQ	41 27 49.0 81 17 38.0	0.750 148	31.0 480	21.0 Kenston Local School Distr	10.66	17.11	
222B Cleveland Heights	WKRI	LIC DEN OH	10.3 190.4	42.63 BLH19891128KA	41 26 32.0 81 29 28.0	2.150 155	2.4 465	27.2 Cbs Radio Stations Inc.	31.09	14.99	
218D Snyder	AP5539	APP C OH	156.0 336.1	33.96 BNPFT20000407AAT	40 47 08.0 81 25 07.0	0.013 98	8.7 438	6.2 Faith Pleases God Church C	16.75	15.75	
220D Wooster	W220BP	LIC CN OH	222.7 42.5	35.82 BLFT19970703TB	40 49 40.0 81 52 18.0	0.045 41	7.5 365	5.4 Bible Broadcasting Network	20.22	19.00	
218A New Philadelphia	WKRJ	LIC CN OH	174.4 354.4	55.89 BLED19940714KB	40 33 50.0 81 31 05.0	2.000 76	28.2 387	19.2 Kent State University	19.39	24.91	
216A Alliance	WRMU-FM	LIC HN OH	114.1 294.4	43.42 BMLED19810611AA	40 54 16.0 81 06 45.0	2.800 65	1.9 411	19.3 Mount Union College	33.29	23.87	
220D Parma	W273AV	CP C OH	349.9 169.8	47.64 BMPFT20040827ABZ	41 29 13.0 81 41 00.0	0.010 93	7.9 329	5.6 Educational Media Foundati	31.31	30.06	
216D Freedom	AP5185	APP C OH	55.4 235.7	40.09 BNPFT20000407AAN	41 16 06.0 81 11 19.0	0.013 96	0.3 435	6.1 Faith Pleases God Church C	31.35	33.76	
216D Freedom	AP9219	APP C OH	55.4 235.7	40.09 BNPFT20000407AAN	41 16 06.0 81 11 19.0	0.010 96	0.2 435	5.7 Faith Pleases God Church C	31.38	34.14	
218A Oberlin	WOBC-FM	LIC CX OH	295.7 115.3	59.36 BLED20041014ADB	41 17 38.0 82 13 20.0	1.000 39	16.4 278	11.4 Oberlin College Student Ne	34.98	36.63	
216B1 Cleveland	WRUW-FM	LIC DC OH	359.9 179.9	50.62 BLED20010406AAQ	41 31 14.0 81 35 03.0	1.101 47	1.6 320	12.8 Case Western Reserve Unive	39.75	37.56	
216D Ashland	W216AH	LIC C OH	248.4 67.9	63.07 BLFT20031020ABX	40 51 14.0 82 16 43.0	0.250 13	1.1 342	7.1 Mansfield Christian School	53.99	55.75	

Educational Media Foundation

Exhibit 12

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Wadsworth, OH

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*
216D Ashland	W216AH	CP C OH	248.4 67.9	63.07 BPFT20040809ABC	40 51 14.0 82 16 43.0	0.055 47	0.5 376	6.1 Mansfield Christian School	54.58 56.77	
216A Coshocton	WOSE	LIC DCN OH	202.0 21.7	86.56 BLED19960311KH	40 20 30.0 81 57 56.0	4.537 103	2.6 388	26.9 The Ohio State University	75.67 59.39	
06Z2 Stevenson	CIII-D	AP HN ON	326.2 145.6	133.80 BPFS20041023AAN	42 03 41.0 82 29 05.0	3.000 300		68.1 484	69.7R 64.1M	

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

• affixed to TV6 Margin= no direct-line contour overlap.

***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 second adjacent channel station WAPS, channel 217A, Akron, OH. The predicted F(50-50) field strength of WAPS at the proposed translator site is 106.8 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 146.8 dBu. This interfering contour extends approximately 1 meter from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 193 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), both indicating a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 1 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.

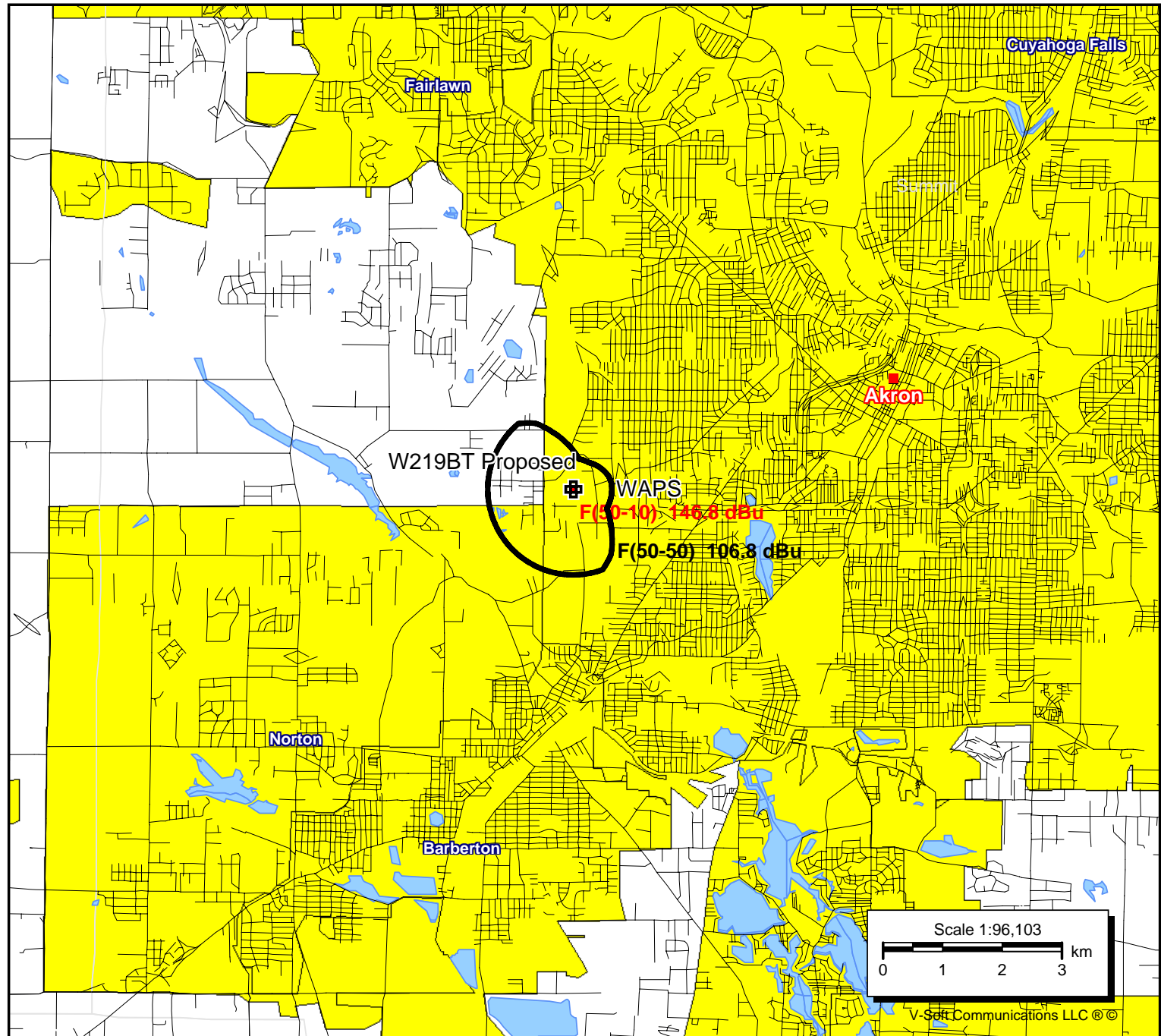
W219BT Proposed

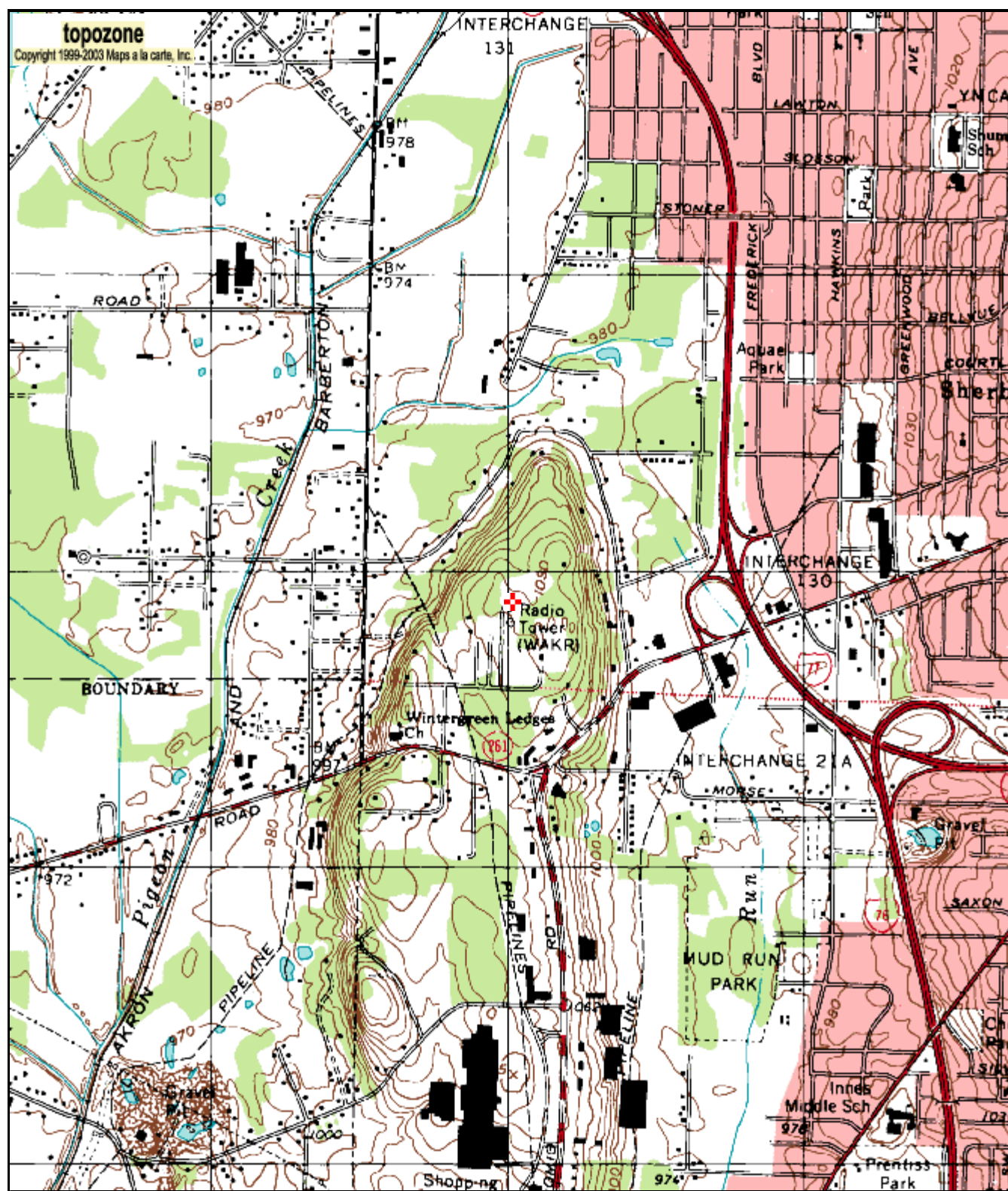
Latitude: 41-03-53 N
Longitude: 081-34-59 W
ERP: 0.01 kW
Channel: 219
Frequency: 91.7 MHz
AMSL Height: 525.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WAPS

BLED20021122AAD
Latitude: 41-03-53 N
Longitude: 081-34-59 W
ERP: 2.00 kW
Channel: 217
Frequency: 91.3 MHz
AMSL Height: 424.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

■ W219BT Proposed
■ WAPS





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=-8.006
G=-0.383

