

Channel Study

REFERENCE		CH# 238D - 95.5 MHz, Pwr= 0.01 kW, HAAT=168.2M, COR= 414 M								DISPLAY DATES	
39 26 09 N. 84 40 24 W.		Average Protected F(50-50)= 7.5 km Ave. F(50-10) 40 dBu= 25.4 54 dBu= 10.7 80 dBu= 1.8 100 dBu= .2								DATA 12-05-06 SEARCH 12-12-06	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
238D Auburn	W238BJ	CP OH	C	218.1 38.1	0.04 BNPFT20030828BFR	39 26 08 84 40 25	0.010 169	415 25.5	7.5 Educational Media Foundati	-32.84* -32.54*	
235B Fairfield	WSWD	LIC OH	CN	153.6 333.7	29.20 BLH19921014KE	39 12 01 84 31 22	10.500 304	542 5.1	63.9 Wvae Lico, Inc.	15.68 -35.15*	
241B Richmond	WQLK	LIC IN	C	336.2 156.0	55.48 BLH19990719KE	39 53 33 84 56 09	50.000 171	474 6.4	67.6 Brewer Broadcasting Corp.	42.06 -12.55*	
239D Liberty Township	AP5215	APP OH	C	93.2 273.4	19.33 BNPFT20030317AQN	39 25 33 84 26 57	0.015 49	261 6.3	4.5 Spryex Communications, Inc	4.77 3.17	
238B Fishers	RADD	ADD IN		288.4 107.5	120.02	39 46 03 86 00 12	50.000 -244	0 115.0	36.1 Indy Lico, Inc. And Wfms L	-1.79 51.81	
238B Indianapolis	RDEL	DEL IN		288.4 107.5	120.02	39 46 03 86 00 12	50.000 -244	0 115.0	36.1 Indy Lico, Inc. And Wfms L	-1.79 51.81	
238B Indianapolis	WFMS	LIC IN	CX	288.4 107.5	120.02 BMLH20021217AAU	39 46 03 86 00 12	13.000 311	555 127.3	66.5 Wfms Lico, Inc	-14.07 21.38	
239L1 Colerain Township	AP8880	APP OH		162.1 342.1	24.86 BNPL20010122ABR	39 13 22 84 35 04	0.033 61	282 8.7	6.1 Calvary Chapel Of The Tri-	7.72 6.81	
239L1 Groesbeck	AP8778	APP OH		162.1 342.1	24.86 BNPL20010122ABW	39 13 22 84 35 04	0.033 61	282 8.7	6.1 Christian Hits Inc.	7.72 6.81	
239L1 Cincinnati	AP8548	APP OH		161.9 342.0	28.45 BNPL20010122ALQ	39 11 32 84 34 15	0.100 77	317 12.7	9.1 The Nathan B. Stubblefield	7.25 7.39	
239L1 Cincinnati	AP8495	APP OH		153.6 333.7	29.20 BNPL20010122AFO	39 12 01 84 31 22	0.016 59	297 7.1	5.1 Cincinnati Community Radio	13.68 12.21	
239L1 Cincinnati	AP5446	APP OH		159.3 339.4	32.49 BNPL20010119AEB	39 09 44 84 32 24	0.100 -81	176 8.0	5.6 Northside Community Counci	15.94 14.79	
239L1 Cincinnati	AP7402	APP OH		143.1 323.2	35.04 BNPL20010119ABK	39 11 01 84 25 45	0.024 50	271 7.1	5.1 Mkws, Inc.	19.83 18.48	
239L1 Norwood	AP5984	APP OH		146.2 326.4	35.14 BNPL20010116ABP	39 10 22 84 26 48	0.078 16	243 7.5	5.3 Our Lady Of The Holy Spiri	19.46 18.25	
239L1 Cincinnati	AP4011	APP OH		155.7 335.8	35.44 BNPL20010116ABS	39 08 42 84 30 14	0.085 -4	241 7.7	5.4 United Universal Fellowshi	19.29 18.05	
239L1 Cincinnati	AP8461	APP OH		139.8 320.0	35.60 BNPL20010122AHT	39 11 28 84 24 24	0.018 72	285 8.0	5.7 Victory Church	19.60 18.52	
239L1 Cincinnati	AP7094	APP OH		148.5 328.6	35.68 BNPL20010117AAC	39 09 43 84 27 25	0.094 15	241 7.9	5.6 O'conner Communications In	19.55 18.44	
239L1 Cincinnati	AP8517	APP OH		154.7 334.8	37.98 BNPL20010122ALM	39 07 36 84 29 06	0.003 171	395 7.6	5.3 Media Bridges Cincinnati,	21.86 20.69	
239B Piqua	WHIO-F	LIC OH	C	20.3 200.6	92.68 BMLH20010810AAO	40 13 03 84 17 37	50.000 154	444 78.6	65.5 Cxr Holdings, L.l.c.	6.73 12.60	
239L1 Newtown	AP3401	APP OH		142.5 322.7	46.85 BNPL20010116ABC	39 06 04 84 20 34	0.025 84	272 9.5	6.7 Public Radio Of Camp Denni	29.33 28.75	
239L1 Cincinnati	AP3392	APP OH		142.5 322.7	46.85 BNPL20010119ADR	39 06 04 84 20 34	0.025 84	272 9.5	6.7 Forest Hills School Distri	29.33 28.75	
237D Covington	AP0225	APP KY	C	168.2 348.3	48.24 BNPFT20030317FFF	39 00 38 84 33 33	0.170 59	299 12.8	9.2 Edgewater Broadcasting, In	27.19 27.42	

Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 12

Auburn, OH

Page # 2										
CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr (kW)	COR (M)	PRO (km)	*IN*	*OUT*
CITY		STATE	<--	FILE #	LNG.	HAAT (M)	INT (km)	LICENSEE	(Overlap	in km)
237A	WZLR	LIC ZC	71.8	70.41	39 37 52	6.000	388	31.0	14.62	27.77
Xenia		OH	252.2	BMLH20010810AAN	83 53 39	123	47.6	Cxr Holdings, L.l.c.		
237D	W237AT	LIC CN	336.1	51.18	39 51 24	0.050	357	5.7	35.98	35.41
Richmond		IN	155.9	BLFT19930927TJ	84 55 00	44	8.1	The Cedarville College		
240A	WKID	LIC CN	204.9	73.32	38 50 12	2.800	324	19.9	63.52	53.17
Vevay		IN	24.7	BLH6405	85 01 48	69	2.0	Dial Broadcasting Inc		
238B	WHOK-F	LIC DCN	80.5	173.71	39 40 32	17.472	527	63.3	41.11	72.73
Lancaster		OH	261.8	BLH19941223KB	82 40 34	233	124.6	Cbs Radio Holdings Inc.		
238B	WHOK-F	APP DCX	80.5	173.71	39 40 32	45.000	444	64.1	30.27	72.01
Lancaster		OH	261.8	BXMLH20061013AAF	82 40 34	150	135.5	Cbs Radio Holdings Inc.		
237A	WIKI	LIC CN	211.7	100.34	38 39 58	1.800	337	25.6	54.05	63.83
Carrollton		KY	31.3	BLH19930212KD	85 16 51	148	38.6	Star Media, Inc.		

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. 69 2.0 Dial Broadcasting Inc

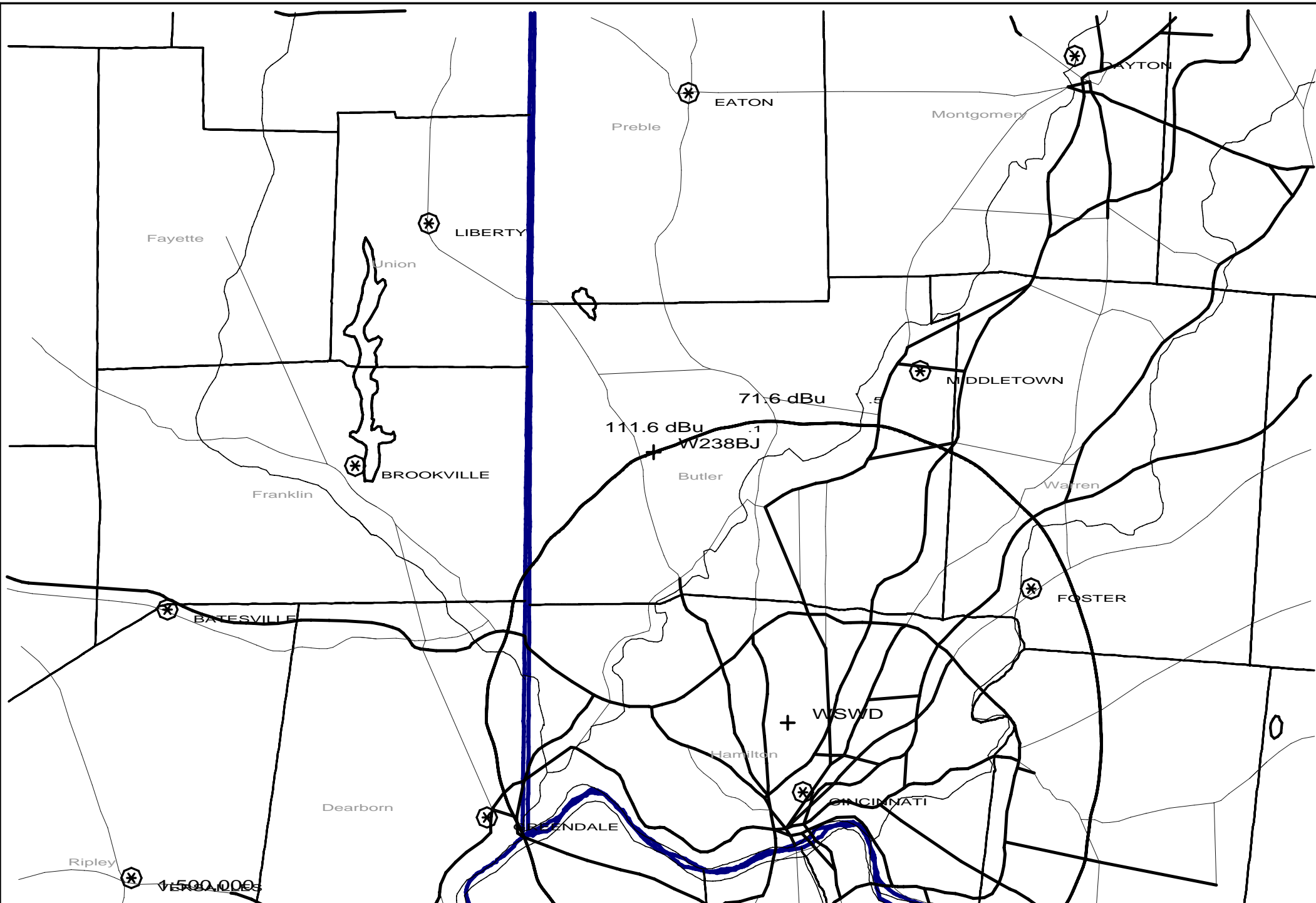
Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WSWD, channel 235B, Fairfield, OH. The predicted F(50-50) field strength of WSWD at the proposed translator site is 71.6 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 111.6 dBu. This interfering contour extends approximately 58.2 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

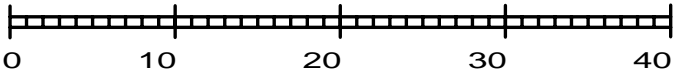
Two factors have been investigated to determine this absence of population:

- 1.) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.
- 2.) Examination of the USGS topographic map (see Exhibit 12D) reveals no regularly occupied structures within the area of overlap.

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



Scale in km



W238BJ 238D .01kW 414M AMSL

N. Lat. 39 26 09 W. Lng. 84 40 24

W238BJ vs. WSWD

EMF - 12/06

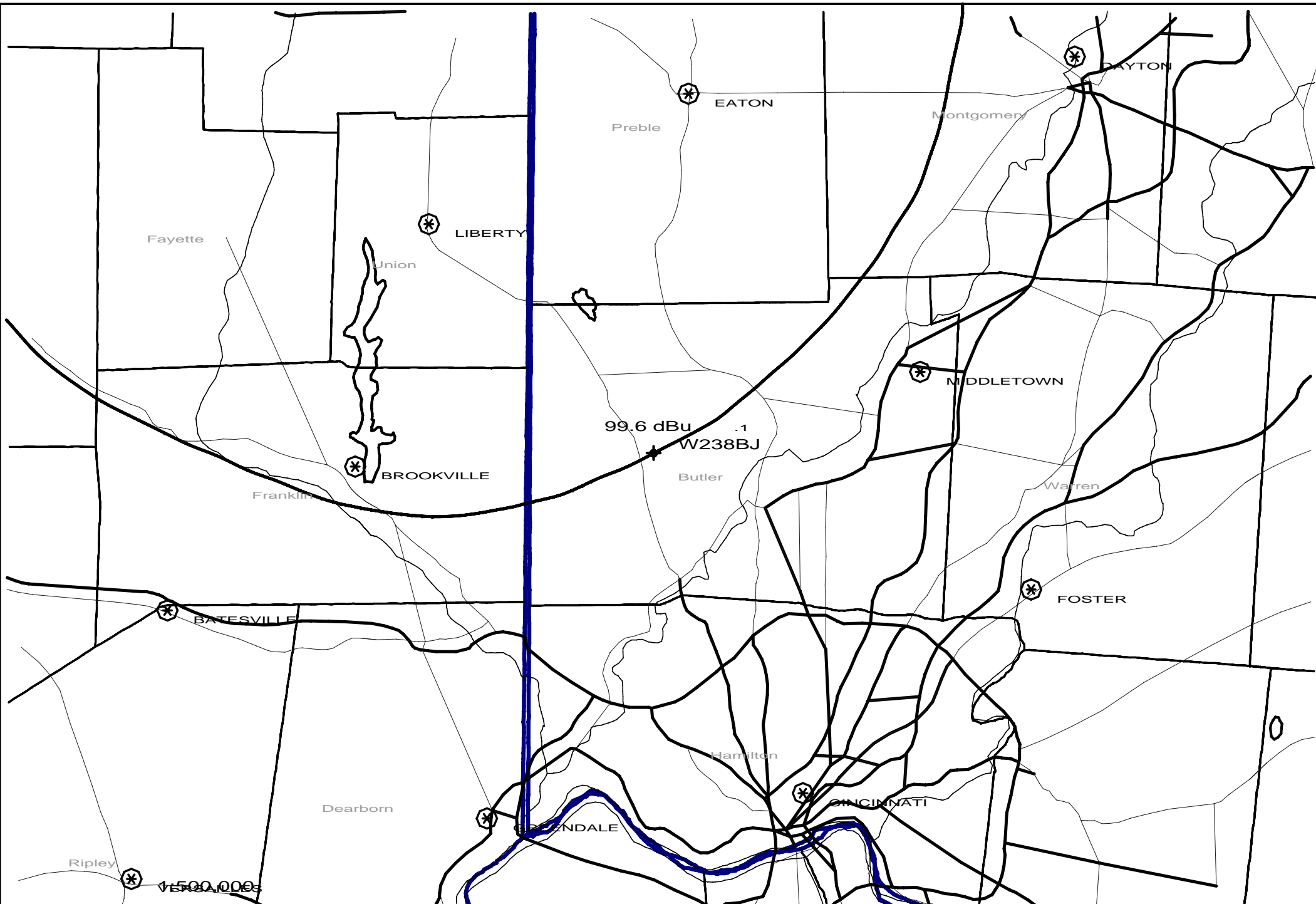
Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WQLK, channel 241B, Richmond, IN. The predicted F(50-50) field strength of WQLK at the proposed translator site is 59.6 dBu, (see Exhibit 12B-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 99.6 dBu. This interfering contour extends approximately 231.8 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

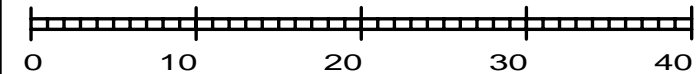
Two factors have been investigated to determine this absence of population:

- 1.) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.
- 2.) Examination of the USGS topographic map (see Exhibit 12D) reveals no regularly occupied structures within the area of overlap.

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



Scale in km



W238BJ 238D .01kW 414M AMSL

N. Lat. 39 26 09 W. Lng. 84 40 24

W238BJ vs. WQLK

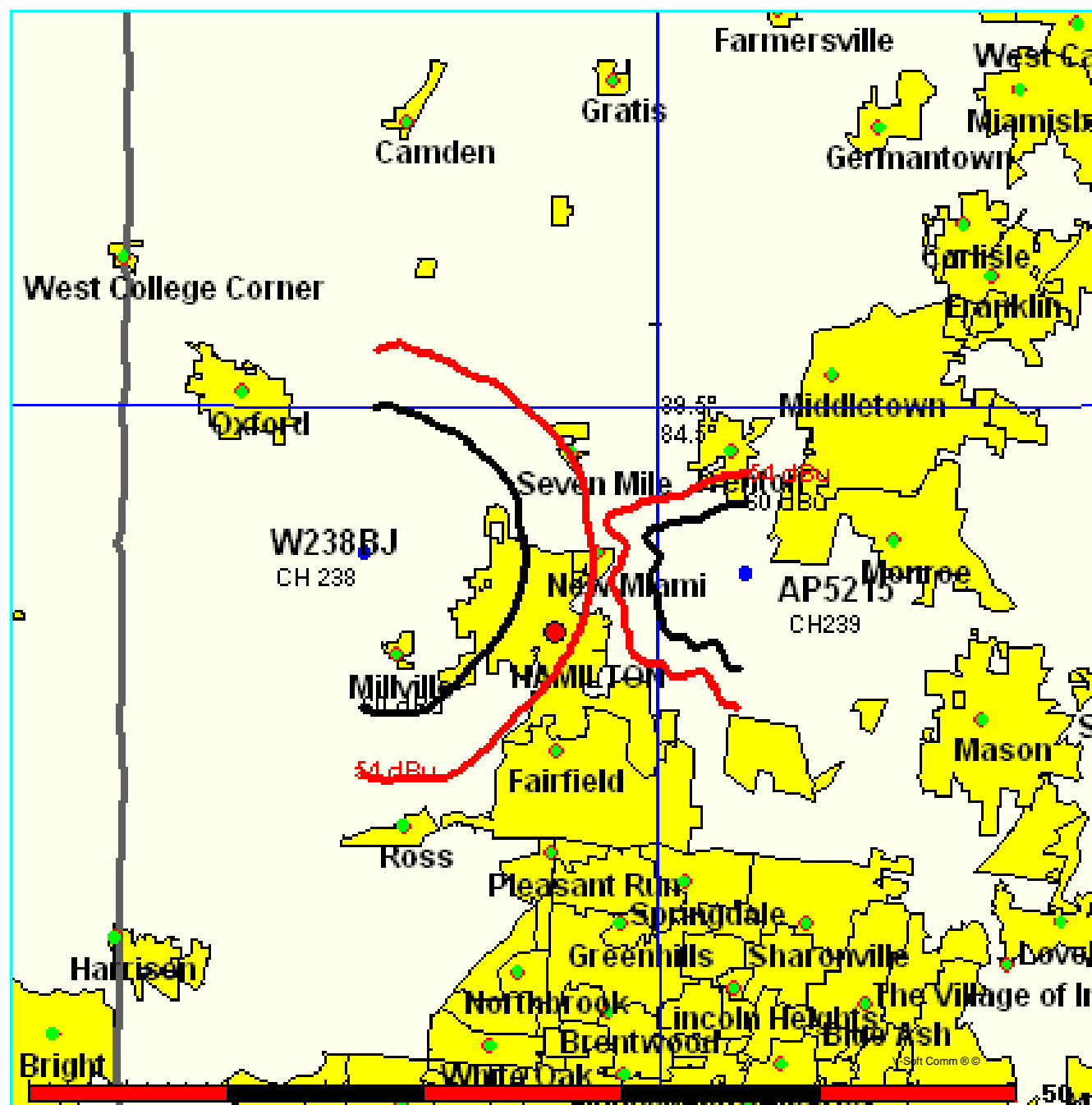
EMF - 12/06

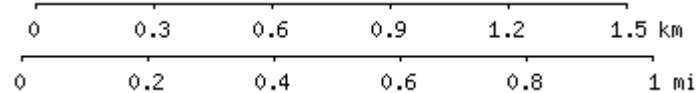
FMCommander Allocation Study
12-12-2006

W238BJ CH 238 D
0.01 kW 414 M COR
Prot. = 60 dBu
Intef. = 54 dBu

AP5215 CH 239 D BNPFT20030317AQN
0.015 kW, 261 M COR
Prot. = 60 dBu
Intef. = 54 dBu

Scale = 1:500,000





39° 26' 09"N, 84° 40' 24"W (NAD27)
USGS Millville (OH) Quadrangle
 Projection is UTM Zone 16 NAD83 Datum

