

Riverside, OH

REFERENCE	CH# 254D - 98.7 MHz, Pwr= 0.019 kW, HAAT=80.0 M, COR= 323 M	DISPLAY DATES
39 45 46 N	Average Protected F(50-50)= 6.08 km	DATA 08-07-04
84 05 11 W	Ave. F(50-10) 40 dBu= 20.1 54 dBu= 8.6 80 dBu= 1.8 100 dBu= .3	SEARCH 08-10-04

CH CITY	CALL	TYPE STATE		AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
254D Riverside	W254BA	CP OH	C	0.0 180.0	0.00 BNPFT20030806ADW	39 45 46 84 05 11	0.019 59	341 17.1	5.3 Educational Media Foundati	-21.85*	-20.06*
254D Springfield	AP254	APP OH	C	59.0 239.0	23.60 BNPFT20030828BDM	39 52 18 83 50 59	0.012 62	356 15.4	4.8 Spirit Communications, Inc	4.10	5.68
256B Dayton	WHKO	LIC OH	C	257.0 77.0	14.22 BMLH20010810AAV	39 44 02 84 14 53	50.000 323	588 8.7	81.1 Cxr Holdings, Inc.	-0.06	-67.50*
252D Kettering	WKET	LIC OH	HN	221.1 41.1	9.84 BLED19851218KD	39 41 46 84 09 43	0.013 62	341 1.5	4.9 Kettering City School Dist	4.15	4.64
251D Dayton	WUDR	LIC OH	CX	303.1 123.1	10.83 BLED20031114AFJ	39 48 57 84 11 33	0.013 17	282 0.3	3.4 University Of Dayton	4.51	7.16
252D Springfield	AP252	APP OH	C	59.0 239.0	23.60 BNPFT20030317LGP	39 52 18 83 50 59	0.050 42	336 0.5	5.6 Spirit Communications, Inc	18.98	17.68
252D Springfield	AP252	APP OH	C	59.0 239.0	23.60 BNPFT20030828BDM	39 52 18 83 50 59	0.001 88	382 0.1	3.0 Spirit Communications, Inc	19.41	20.32
253B Cincinnati	WRRM*	LIC OH	CY	209.2 29.2	81.48 BLH19850415LB	39 07 19 84 32 52	18.000 282	462 79.7	67.6 Wrrm Lico, Inc	-2.12	5.98
251D Wilmington	AP251	APP OH	C	148.3 328.3	51.86 BNPFT20030806ADM	39 21 55 83 46 10	0.019 101	412 0.3	6.9 Educational Media Foundati	46.56	44.68
251D Wilmington	AP251	APP OH	C	148.3 328.3	51.91 BNPFT20030806ADM	39 21 54 83 46 08	0.019 101	412 0.3	6.9 Educational Media Foundati	46.61	44.73
251D Wilmington	AP251	APP OH	C	148.3 328.3	51.91 BNPFT20030317DPC	39 21 54 83 46 08	0.019 104	415 0.3	7.0 Educational Media Foundati	46.61	44.63
252A Bellefontaine	WPKOFM	LIC OH	CN	23.9 203.9	73.63 BLH4475	40 22 05 83 44 02	1.300 141	491 1.9	23.3 V-teck Communications, Inc	65.98	49.98
252A Bellefontaine	WPKOFM	CP OH	CX	23.9 203.9	73.63 BPH20031203AHE	40 22 05 83 44 02	1.750 141	491 2.1	25.0 V-teck Communications, Inc	65.77	48.37
251D Sidney	AP251	APP OH	C	351.6 171.6	57.59 BNPFT20030820AEE	40 16 33 84 11 08	0.013 94	400 0.3	6.0 The Cedarville University	53.20	51.25
251D Sidney	AP251	APP OH	C	351.6 171.6	57.59 BNPFT20030820AEE	40 16 33 84 11 08	0.013 94	400 0.3	6.0 The Cedarville University	53.20	51.25
251D Sharonville	AP251	APP OH	C	209.9 29.9	60.07 BNPFT20030317AJW	39 17 38 84 26 06	0.013 56	302 0.3	4.7 The President & Trustees O	55.86	55.08
252A Winchester	WZZY	LIC IN	CN	296.9 116.9	81.27 BLH19840716CZ	40 05 23 84 56 13	3.000 86	444 2.1	22.5 Rodgers Broadcasting Corpo	73.16	58.48
251D Sidney	AP251	APP OH	C	354.3 174.3	65.18 BNPFT20030312ANL	40 20 49 84 09 44	0.035 78	386 0.4	7.0 The Cedarville University	60.53	57.92
255A Upper Arlington	WXMG	LIC OH	ZCN	75.3 255.3	93.48 BLH19970501KB	39 58 16 83 01 40	1.117 133	396 32.5	21.9 Blue Chip Broadcasting Lic	57.00	65.94

ERP and HAAT are on direct line to and from reference station.  
 "\*"Affixed to 'IN' or 'Out' values = site inside protected contour.  
 "<" = Station meets FCC minimum distance spacing for its class.

## **Exhibit 12 (Compliance with CFR 74.1204)**

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The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WHKO, channel 256B, Dayton, OH. The predicted F(50-50) field strength of WHKO at the proposed translator site is 91.5 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 131.5 dBu. This interfering contour extends less than 9 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 36 meter level on a 287 meter tower).

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

91.5 dBu<sub>s</sub>

131.5 dBu<sub>1</sub>

Montgomery

84.25  
+ 39.75

84  
+ 39.75

Greene

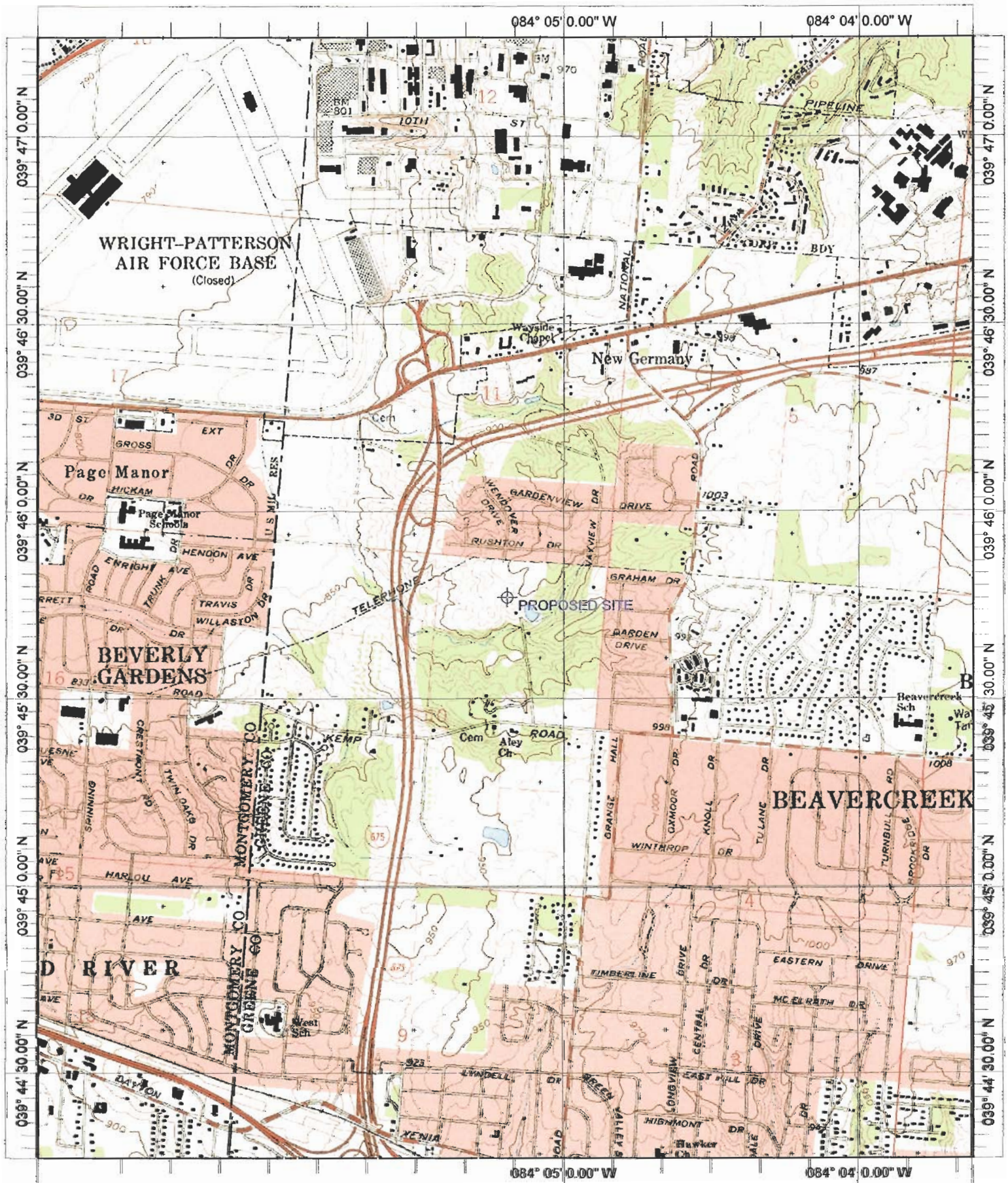
1:195,313

Scale in km



W254BA 254D .019kW 323M AMSE	Exhibit 12A
N. Lat. 39 45 46 W. Lng. 84 05 11	EMF - 08/04





Name: FAIRBORN  
 Date: 8/10/2004  
 Scale: 1 inch equals 2000 feet

Location: 039° 45' 46.1" N 084° 05' 12.0" W  
 Caption: EXHIBIT 12  
 Site 39-45-46 / 84-05-11