

Channel Study

REFERENCE		CH# 296D - 107.1 MHz, Pwr= 0.02 kW, HAAT=42.1M, COR= 353 M								DISPLAY DATES	
39 52 59 N.	Average Protected F(50-50)= 4.4 km								DATA	06-03-06	
83 48 17 W.	Ave. F(50-10) 40 dBu= 14.0 54 dBu= 6.3 80 dBu= 1.6 100 dBu= .3								SEARCH	06-06-06	
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)		
296D	W296BO	CP C	0.0	0.00	39 52 59	0.010	359	4.4	-18.68*	-20.18*	
Springfield	OH		0.0	BNPFT20030828BEV	83 48 17	56	13.8	Educational Media Foundati			
299B	WMMX	LIC CX	242.8	39.05	39 43 19	28.000	467	63.9	28.43	-25.47*	
Dayton	OH		62.5	BLH20020823AAW	84 12 36	190	5.7	Citicasters Licenses, L.p.			
296A	WAZU	LIC CN	106.3	85.23	39 39 52	3.000	361	28.5	-1.79	44.76	
Circleville	OH		286.9	BLH19880324KC	82 51 04	145	83.3	Cbs Radio Stations Inc.			
295D	WWSU	LIC CN	243.1	24.69	39 46 57	0.008	332	3.6	14.70	14.24	
Fairborn	OH		62.9	BLD19820928AK	84 03 43	43	5.1	Wright State University			
296B1	WKFS	LIC NCN	215.3	104.12	39 06 59	2.800	483	43.0	1.68	40.33	
Milford	OH		34.8	BMLH19981125KA	84 30 07	270	97.1	Jacor Broadcasting Corpora			
293B	WDSJ	LIC CN	293.4	74.74	40 08 49	50.000	460	65.1	63.70	8.98	
Greenville	OH		112.9	BLH19901105KD	84 36 36	150	6.0	Citicasters Licenses, L.p.			
297D	AP297	APP C	247.4	36.06	39 45 28	0.080	298	6.7	21.30	22.20	
Dayton	OH		67.1	BNPFT20030317AJM	84 11 36	48	9.6	The President & Trustees O			
294B	RDEL	DEL	167.9	81.39	39 09 58	50.000	460	63.7	71.45	17.06	
Hillsboro	OH		348.0		83 36 25	140	5.8	Citicasters Licenses, Inc.			
294B	WSRWFM	LIC CN	167.9	81.39	39 09 58	50.000	388	50.1	73.20	30.65	
Hillsboro	OH		348.0	BLH19850911KA	83 36 25	68	4.0	Cc Licenses, Llc			
294D	AP294	APP DC	247.8	34.69	39 45 53	0.000	287	1.6	29.49	32.77	
Dayton	OH		67.5	BNPFT20030314BRN	84 10 47	37	0.0	Citicasters Licenses, L.p.			
297D	AP297	APP C	245.5	42.39	39 43 28	0.010	579	10.6	22.43	24.74	
Drexel	OH		65.2	BNPFT20030313AXU	84 15 18	331	14.9	Educational Media Foundati			
296A	WDOH	LIC CN	336.4	115.20	40 49 55	3.300	329	22.9	36.22	78.18	
Delphos	OH		156.1	BMLH19960807KB	84 21 11	85	74.5	Maverick Media Of Lima Lic			
295B	WMRNFM	LIC CN	35.0	99.42	40 36 50	25.000	398	54.7	30.62	35.57	
Marion	OH		215.4	BLH19970627KE	83 07 47	123	64.3	Citicasters Licenses, L.p.			
295B	RDEL	DEL	35.0	99.42	40 36 50	50.000	433	66.2	15.54	24.12	
Marion	OH		215.4		83 07 47	158	79.3	Citicasters Licenses, Inc.			
294B1	WMRNFM	APP NCX	67.5	81.27	40 09 33	7.300	461	45.7	73.70	35.17	
Dublin	OH		248.0	BPH20050726ALM	82 55 23	192	3.8	Citicasters Licenses, L.p.			
294B1	RADD	ADD	68.2	82.69	40 09 20	25.000	386	47.6	74.55	34.62	
Dublin	OH		248.7		82 54 12	118	4.4	Citicasters Licenses, Inc.			
298A	WCKX	LIC CN	82.4	69.69	39 57 46	1.900	368	23.3	63.87	46.11	
Columbus	OH		262.9	BLH19960213KB	82 59 46	115	2.1	Blue Chip Broadcasting Lic			
293D	W293BB	CP DC	40.4	52.00	40 14 19	0.000	387	2.2	47.81	49.44	
Marysville	OH		220.6	BNPFT20030828BHL	83 24 29	79	0.0	Citicasters Licenses, L.p.			
294D	W294AH	LIC CN	77.2	68.72	40 01 02	0.008	356	5.1	64.78	63.27	
Columbus	OH		257.7	BLFT19990510UA	83 01 11	87	0.2	Sandyworld, Inc.			
298A	WZRFXM	CP CX	344.8	89.93	40 39 50	1.340	427	22.5	83.05	67.13	
Fort Shawnee	OH		164.6	BPH20010515AAR	84 05 07	128	1.9	Jacor Broadcasting Corpora			
298A	WZRFXM	LIC CN	344.8	89.93	40 39 50	3.000	382	22.1	82.84	67.51	
Fort Shawnee	OH		164.6	BMLH19990331KC	84 05 07	83	2.1	Jacor Broadcasting Corpora			
293A	WSRWFM	APP ZCX	131.3	92.56	39 19 52	1.633	362	22.1	86.87	70.18	
Chillicothe	OH		311.8	BPH20050726AMD	82 59 49	110	2.0	Clear Channel Broadcasting			

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

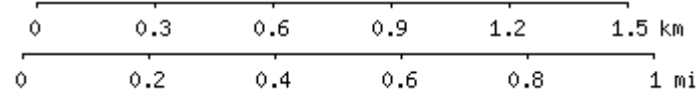
The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WMMX, channel 299B, Dayton, OH. The predicted F(50-50) field strength of WMMX at the proposed translator site is 66.2 dBu (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 106.2 dBu. This interfering contour extends approximately 153.3 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

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

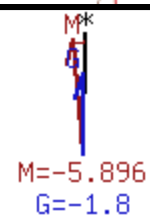
- 1.) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.
- 2.) Examination of the attached USGS topographic map (see Exhibit 12B) and aerial photo obtained from Topozone (see Exhibit 12C) reveal 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.





Projection is UTM Zone 17 NAD83 Datum





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

Map center is 39° 52' 59"N, 83° 48' 17"W (NAD27)

Springfield quadrangle

Projection is UTM Zone 17 NAD83 Datum

M^k
M=-5.896
G=-1.8