

Channel Study

REFERENCE		CH# 292D - 106.3 MHz, Pwr= 0.01 kW, HAAT= 134.4 M, COR= 358 M								DISPLAY DATES	
39 23 35.0 N.		Average Protected F(50-50)= 6.7 km								DATA 02-11-09	
84 36 24.0 W.										SEARCH 02-13-09	
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*
292D Auburn	W238BJ	CP	DV OH	0.0 0.0	0.00 BFPT20090209ACK	39 23 35.0 84 36 24.0	0.010	3.5 355	0.7 Educational Media Foundati	-4.16*	-4.19*
290B Middletown	WPFB-FM	LIC	CX OH	58.0 238.2	25.86 BMLH20011120AAL	39 30 57.0 84 21 05.0	34.000 181	6.3 419	67.9 Radio Stations Wpay/wpfb,	17.81	-42.11*
292D Middletown	W292CO	LIC	C OH	60.1 240.2	18.40 BLFT20070320ABY	39 28 31.0 84 25 16.0	0.055	23.0 247	6.9 Educational Media Foundati	-6.79*	3.11
293B Greenville	WDSJ	LIC	CN OH	359.8 179.8	83.70 BLH19901105KD	40 08 49.0 84 36 36.0	50.000 146	76.9 460	63.9 Aloha Station Trust, Llc	6.11	17.76
294B Hillsboro	RDEL	DEL	OH	106.0 286.7	89.87	39 09 58.0 83 36 25.0	50.000 150	5.8 460	63.8 Citicasters Licenses, Inc.	77.64	25.72
291B North Vernon	WWVY	LIC	CN IN	249.4 68.7	101.32 BLH19850905KC	39 04 02.0 85 42 10.0	50.000 148	74.6 355	61.8 White River Broadcasting C	26.05	37.60
292A London	WJYD	LIC	ZCN OH	61.3 242.0	115.34 BLH19920828KF	39 53 05.0 83 25 23.0	6.000 100	81.0 414	24.8 Blue Chip Broadcasting Lic	32.03	81.49
294B Hillsboro	WSRW-FM	LIC	CN OH	106.0 286.7	89.87 BLH19850911KA	39 09 58.0 83 36 25.0	50.000 75	4.0 388	50.3 Cc Licenses, Llc	79.38	39.18
293A Williamstown	WNKR	LIC	CN KY	183.3 3.3	79.10 BLH19920428KA	38 40 54.0 84 39 33.0	1.400 145	34.7 387	23.2 Grant County Broadcasters,	39.24	48.57
294A Williamstown	WNKR	CP	CX KY	178.6 358.7	78.23 BPH20050831ACN	38 41 19.0 84 35 07.0	1.800 185	2.3 432	26.9 Grant County Broadcasters,	70.46	51.16
294D Dayton	636900	APP	DC OH	41.4 221.6	55.22 BNPFT20030314BRN	39 45 53.3 84 10 47.1	0.250	0.2 287	3.2 Citicasters Licenses, L.p.	54.41	52.00
294A Williamstown	WNKR	RSV	KY	178.6 358.7	78.23	38 41 19.0 84 35 07.0	6.000 100	2.5 346	25.4 Grant County Broadcasters,	70.24	52.63
292A Versailles	WCDA	LIC	CN KY	176.4 356.5	149.66 BLH19990115KB	38 02 51.0 84 29 57.0	3.700 128	85.9 416	29.6 L.m. Communications, Inc	58.12	101.53
295D Fairborn	WWSU	LIC	CX OH	47.0 227.3	63.73 BLED20081201DMK	39 46 57.2 84 03 42.0	0.020 64	0.3 332	4.8 Wright State University	62.69	58.96

Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC spacings in KM, Distance + M = Margin in KM
 Contour distances are on direct line to and from reference station. Reference Zone = 1. With 3rd Adj
 Channels.

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.

Reference station has protected zone issue: Canada.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WPFB-FM channel 290B, Middletown, OH. The predicted F(50-50) field strength of WPFB-FM at the proposed translator site is 75.7 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 115.7 dBu. This interfering contour extends approximately 36.3 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 82 meter level on a 89 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12A-2), which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 36.3 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.

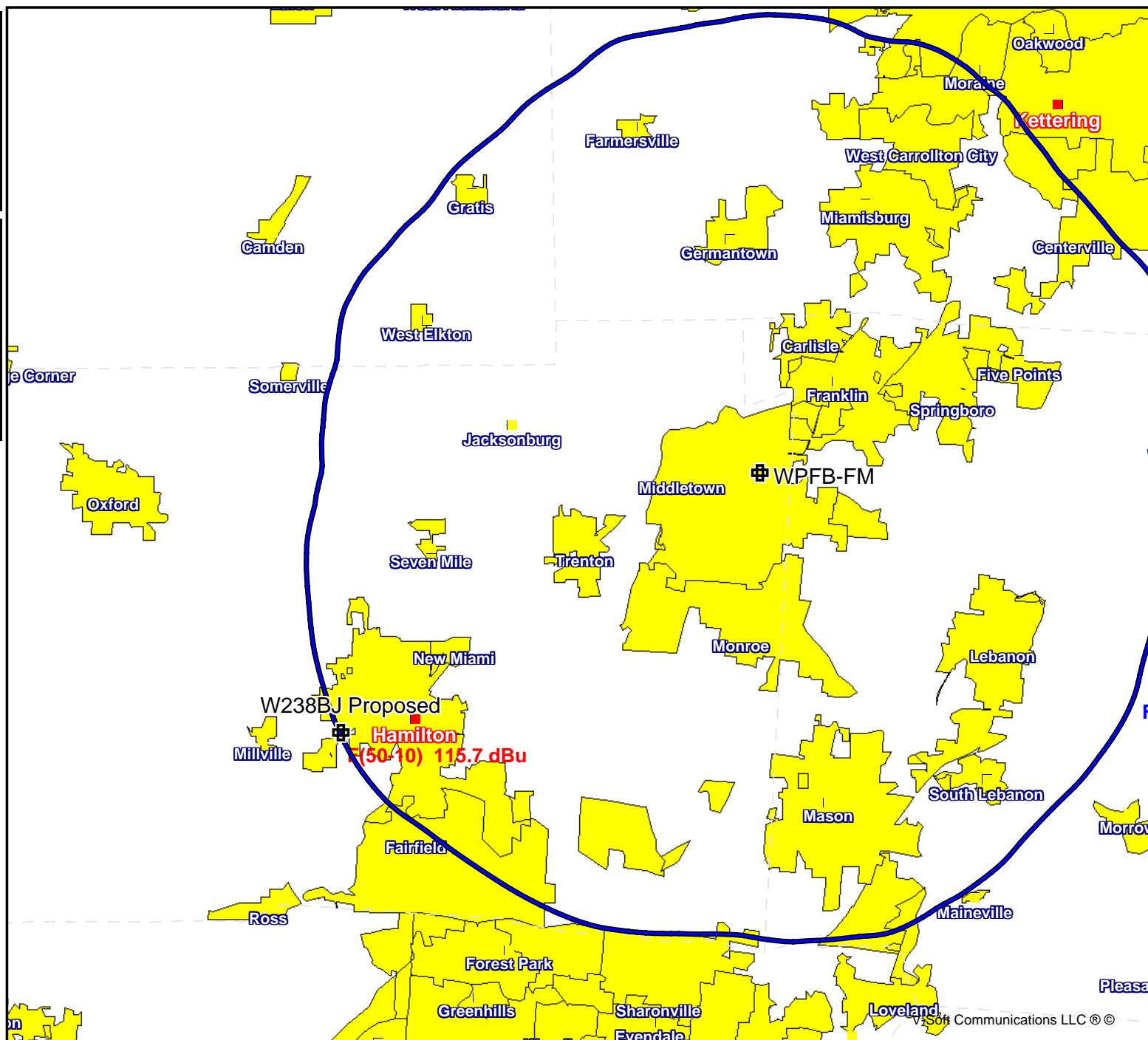
W238BJ Proposed

Latitude: 39-23-35 N
Longitude: 084-36-24 W
ERP: 0.01 kW
Channel: 292
Frequency: 106.3 MHz
AMSL Height: 358.0 m

WPFB-FM

BMLH20011120AAL
Latitude: 39-30-57 N
Longitude: 084-21-05 W
ERP: 34.00 kW
Channel: 290
Frequency: 105.9 MHz
AMSL Height: 419.0 m
Elevation: 263.0 m

■ W238BJ Proposed
■ WPFB-FM





Tower ID: 1015956

Coordinates (NAD27): 39-23-34.80 N, 084-36-24.19 W
Coordinates (NAD83): 39-23-35 N, 084-36-24 W