

**Channel Study**

REFERENCE		CH# 205D - 88.9 MHz, Pwr= 0.01 kW, HAAT= 194.9 M, COR= 385 M								DISPLAY DATES	
38 21 55.0 N.		Average Protected F(50-50)= 8.1 km								DATA 12-22-08	
85 50 24.0 W.										SEARCH 12-22-08	
CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
207B Louisville	WFPL	LIC CN KY	0.0 0.0	0.00 BLED19981005KB	38 21 55.0 85 50 24.0	21.000 236	5.6 426	50.8 Kentucky Public Radio, Inc	-13.23*	-51.04*	
205C1 Richmond	WEKU	CP DCX KY	111.7 292.7	143.32 BPED20070620ACS	37 52 45.0 84 19 33.0	100.000 215	163.5 480	65.1 Eastern Kentucky Universit	-29.31*	47.70	
205D New Albany	W205BT	CP DCN IN	229.3 49.3	1.18 BPFT19981021TF	38 21 30.0 85 51 01.0	0.010 301	5.2 494	0.7 Educational Media Foundati	-10.67*	-21.74	
205C1 Bowling Green	WKYU-FM	LIC CX KY	206.5 26.0	157.96 BMLED20070507AFC	37 05 23.0 86 38 05.0	100.000 219	165.6 383	66.9 Western Kentucky Universit	-14.91*	66.62	
205C1 Richmond	WEKU	LIC CN KY	111.7 292.7	143.32 BMLED19990407KA	37 52 45.0 84 19 33.0	50.000 219	146.4 482	58.8 Eastern Kentucky Universit	-12.24*	54.07	
204B1 Marysville	1213876	APP DCX IN	18.0 198.1	58.70 BNPED20071022BUM	38 52 04.0 85 37 49.0	20.000 73	56.0 282	36.0 Brycc House Inc.	-5.56	11.04	
06-T Princeton	W06BD	LI HN IN	270.6 89.5	152.22 BLTVL19901115IC	38 21 56.0 87 34 54.0	0.014 89	0.2 207	46.1 North Gibson School Corpor	139.5R	12.7M	
205A Oolitic	WMYJ-FM	LIC V IN	322.4 142.0	87.55 BLED20050831ADL	38 59 14.0 86 27 31.0	5.200 78	77.9 277	22.6 Spirit Educational Radio,	2.41	40.50	
203C2 Okolona	WJIE-FM	LIC DEN KY	168.5 348.6	37.63 BLED19871208KE	38 01 59.0 85 45 16.0	24.500 190	1.7 362	23.9 Evangel Schools, Inc.	26.58	13.53	
202A New Washington	WARA	LIC CX IN	51.7 231.9	41.22 BLED20051216ACB	38 35 40.0 85 28 06.0	0.950 91	1.6 296	17.7 Educational Media Foundati	30.81	23.26	
203A Seymour	1210081	APP VX IN	347.0 166.9	59.80 BNPED20071012ADG	38 53 24.0 85 59 43.0	2.200 96	2.1 277	23.1 Community Impact Foundatio	50.28	36.47	
203A Crothersville	1215418	APP DCX IN	0.4 180.4	51.50 BNPED20071022BIP	38 49 45.0 85 50 09.0	5.500 86	1.6 258	14.7 Basalt Of The Earth, Inc.	42.26	36.52	
203A Seymour	1196112	APP NVX IN	352.6 172.5	65.80 BNPED20071012AGN	38 57 10.7 85 56 19.5	6.000 43	2.1 224	20.9 Indiana Community Radio Co	55.95	44.68	
203A Seymour	1200960	APP VX IN	355.7 175.7	65.82 BNPED20071018BDV	38 57 23.7 85 53 47.5	6.000 43	2.1 224	20.3 Covenant Network	56.07	45.26	
203A Brownstown	1199104	APP VX IN	333.2 153.0	61.34 BNPED20071015ADY	38 51 27.0 86 09 36.0	2.200 19	1.6 218	15.2 Good Samaritan Educational	52.54	45.90	
204A North Vernon	1210680	APP NVX IN	21.3 201.5	67.21 BNPED20071012ADR	38 55 43.0 85 33 26.0	0.400 23	11.4 218	8.0 Linda Jerome Foundation	47.36	47.26	
205A Miamitown	WMWX	LIC DCX OH	35.4 215.9	130.84 BLED20060818AAA	39 19 18.0 84 57 33.0	4.600 114	70.7 381	21.4 Spryex Communications, Inc	51.38	80.24	
206A Greensburg	WAUZ	LIC VN IN	13.6 193.8	99.63 BLED19990209KA	39 14 13.0 85 34 00.0	0.800 158	34.2 410	22.9 Good Shepherd Radio Inc	57.48	65.42	
206C3 Crittenden	1265135	APP DCX KY	62.4 243.1	112.89 BNPED20071022AAN	38 49 47.0 84 41 14.0	9.500 86	46.2 319	30.1 24-7 Broadcasting, Inc.	57.81	70.36	
206C3 Walton	1264838	APP DCX KY	62.4 243.1	112.89 BNPED20071019ALJ	38 49 47.1 84 41 14.1	9.000 87	43.3 322	28.3 The President & Trustees O	60.66	72.10	
203A Seymour	1215236	APP NVX IN	356.6 176.6	71.97 BNPED20071022AHC	39 00 45.0 85 53 20.0	0.100 22	0.7 206	5.6 Community Radio For Hoosie	63.59	66.11	
204B1 Loogootee	WBHW	LIC C IN	281.1 100.3	121.91 BLED20070918ABS	38 34 04.7 87 12 46.1	5.300 146	49.7 289	32.9 Music Ministries, Inc.	65.38	79.38	

# Educational Media Foundation

Exhibit 12

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

New Albany, IN

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	Page # 2	
									*IN*	*OUT*
06 T Lebanon	W06AY	CP D N KY	147.0	102.91	37 35 12.0	0.300	10.0	24.0	139.5R	68.9M
			327.4	BDFCDVL20070925AJU	85 12 15.0	116	337	Gary White		
06+T Lebanon	W06AY	CPM D N KY	147.0	102.91	37 35 12.0	1.000	5.7	4.4	139.5R	92.8M
			327.4	BMPTVL20010530ABD	85 12 15.0	44	265	Gary White		
06-T Lebanon	W06AY	LI DHN KY	147.0	102.91	37 35 12.0	0.070	5.7	1.6	139.5R	95.6M
			327.4	BLTVL19881003IN	85 12 15.0	90	311	Gary White		

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..

**Compliance with C.F.R. 74.1204**

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WFPL, channel 207B, Louisville, KY. The predicted F(50-50) field strength of WFPL at the proposed translator site is 115.0 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 155.0 dBu. This interfering contour extends approximately 0.4 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 91 meter level on a 142 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 0.4 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.

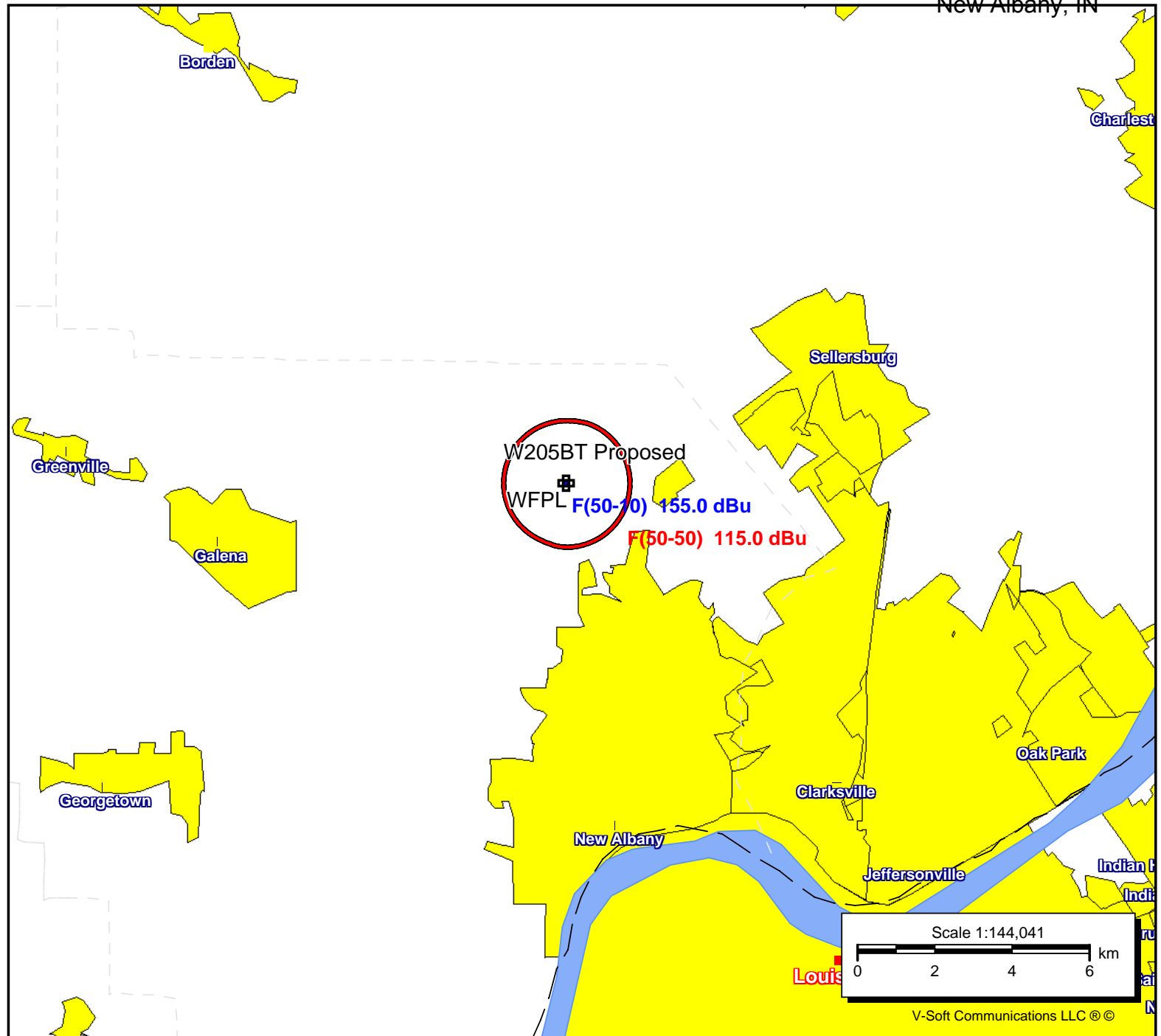
**W205BT Proposed**

Latitude: 38-21-55 N  
Longitude: 085-50-24 W  
ERP: 0.01 kW  
Channel: 205  
Frequency: 88.9 MHz  
AMSL Height: 385.0 m  
Elevation: 294.0 m  
Horiz. Pattern: Omni  
Prop Model:

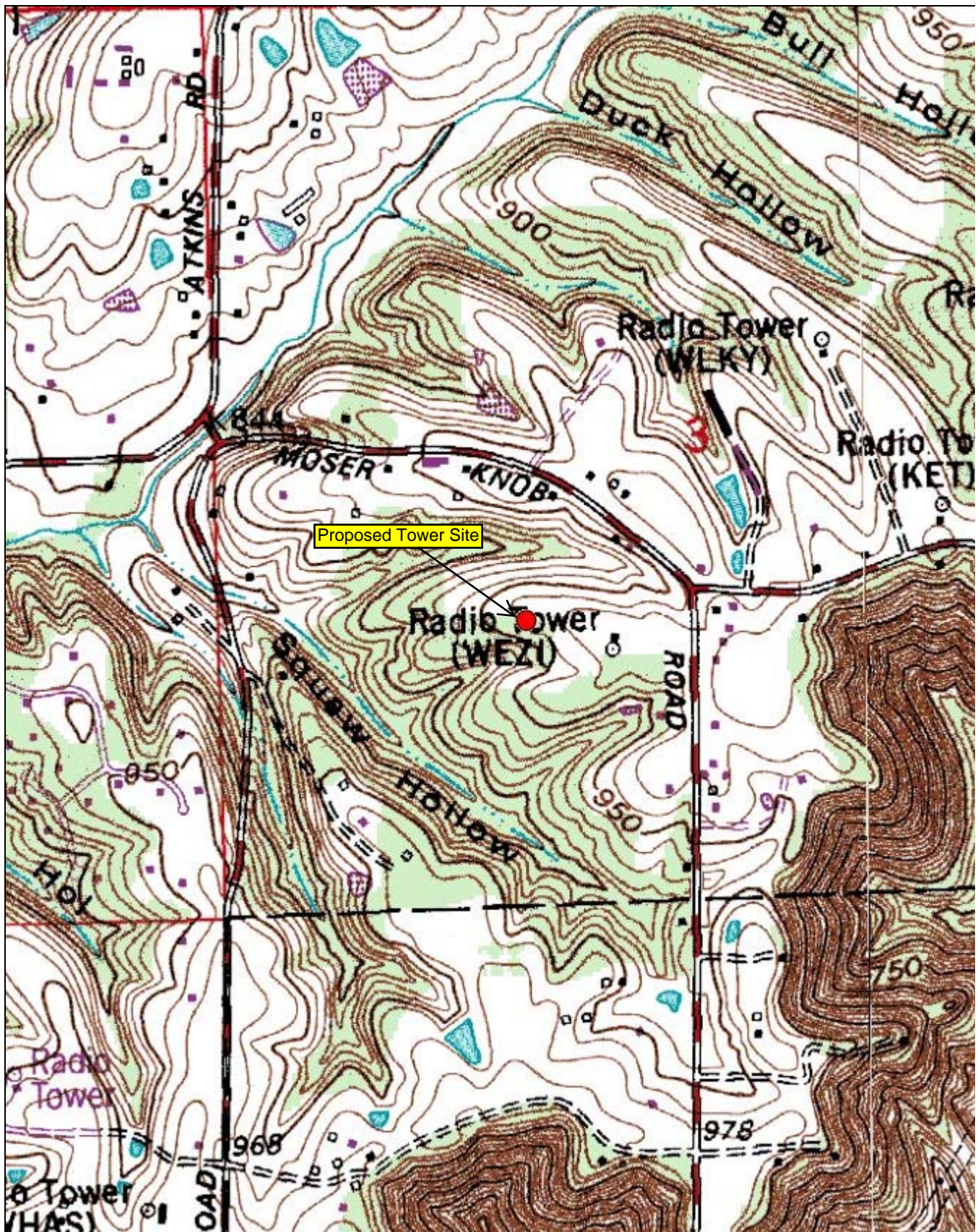
**WFPL**

BLED19981005KB  
Latitude: 38-21-55 N  
Longitude: 085-50-24 W  
ERP: 21.00 kW  
Channel: 207  
Frequency: 89.3 MHz  
AMSL Height: 426.0 m  
Elevation: 294.0 m  
Horiz. Pattern: Omni  
Prop Model:

■ W205BT Proposed  
■ WFPL







Tower ID: 1028414  
Coordinates (NAD27): 38-21-54.76 N, 085-50-24.12 W  
Coordinates (NAD83): 38-21-55 N, 085-50-24 W