

**Channel Study**

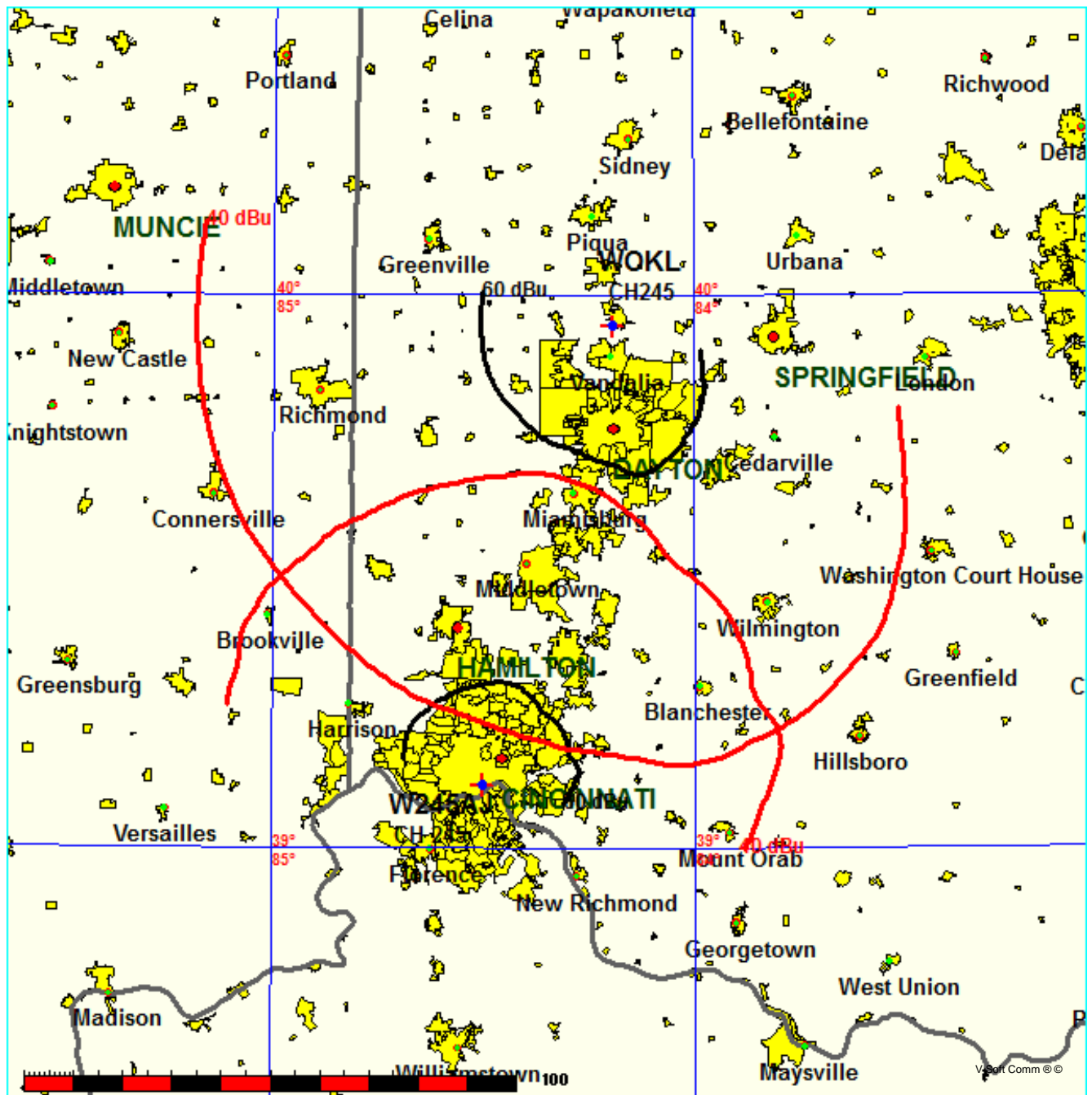
REFERENCE		CH# 245D - 96.9 MHz, Pwr= 0.25 kW DA, HAAT= 226.0 M, COR= 441 M								DISPLAY DATES	
39 06 59.0 N.		Average Protected F(50-50)= 19.7 km								DATA 01-05-12	
84 30 07.0 W.		Standard Directional								SEARCH 01-05-12	
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
245D Forest Park	W245AJ	LIC	C OH	15.5 195.5	27.3 BLFT20090121ACT	39 21 11.0 84 25 02.0	0.010 189	28.9 410	8.7 Educational Media Foundati	-22.4* -44.9	
245C2 Paris	WGKS	LIC	CN KY	173.3 353.4	110.7 BLH19910606KI	38 07 32.0 84 21 12.0	50.000 150	137.8 433	52.3 L.m. Communications, Inc.	-42.5*< 7.6	
243B Lebanon	WFTK	LIC	C OH	30.0 210.1	30.4 BMLH20020320ABO	39 21 11.0 84 19 30.0	19.500 247	5.6 474	63.9 Susquehanna Radio Corp.	4.7 -35.5*<	
247A Fort Thomas	WYGY	LIC	CX KY	349.1 169.1	9.5 BLH20051115ADD	39 12 01.0 84 31 22.0	2.550 155	2.7 373	31.2 Cincinnati Fcc License Sub	-12.6*< -22.8*<	
245A Troy	WOKL	LIC	ZCX OH	16.0 196.2	96.0 BLED20110418AES	39 56 49.0 84 11 29.0	6.000 95	84.4 373	26.5 Educational Media Foundati	-9.2< 6.0	
245L1 West Union	WUHS-LP	LIC		112.6 293.2	86.6 BLL20031021AAB	38 48 49.0 83 34 54.0	0.080 34	17.4 279	5.3 West Union High School	53.1 28.8	
246D Dayton	629671	APP	C OH	17.3 197.5	70.8 BNPFT20030313AYK	39 43 28.0 84 15 18.0	0.010 314	15.0 577	10.7 Educational Media Foundati	35.0 29.3	
244A Madison	WORX-FM	LIC	C IN	241.1 60.5	85.4 BLH19990312KD	38 44 32.0 85 21 43.0	1.050 168	36.9 387	24.6 Dubois County Broadcasting	32.6 36.8	
246D Dayton	634402	APP	C OH	20.3 200.5	76.0 BNPFT20030317AJV	39 45 28.0 84 11 36.0	0.021 32	6.7 298	4.8 The President & Trustees O	48.5 40.4	
246B Shelbyville	WLHK	LIC	CX IN	295.6 114.6	145.1 BMLH20070501AGZ	39 40 06.0 86 01 44.0	23.000 223	77.5 463	65.5 Emmis Radio License, Llc	50.1 43.2	
246D Hillsboro	W246CA	CP	C OH	82.2 262.7	79.8 BNPFT20080620ACQ	39 12 38.0 83 35 13.0	0.020 40	5.3 349	3.7 James L. Orebaugh	54.7 46.8	
248D Batesville	W248AF	LIC	C IN	289.1 108.7	65.4 BLFT20070518ABA	39 18 23.0 85 13 06.0	0.120 20	0.8 308	5.9 Good Shepherd Radio, Inc	47.4 58.5	
298A Falmouth	WIOK<	LIC	CN KY	168.3 348.3	60.0 BMLH19920818KD	38 35 13.0 84 21 40.0	1.350 212	30.8 435	28.6 Hammond Broadcasting, Inc.	9.5R 50.5M	
246B Columbus	WBNS-FM	LIC	CN OH	52.6 233.5	158.3 BLH19850125LM	39 58 16.0 83 01 40.0	20.500 238	76.0 484	64.3 Radiohio, Incorporated	62.8 53.0	
299B Dayton	WMMX<	LIC	CX OH	20.3 200.5	71.8 BLH20020823AAW	39 43 19.0 84 12 36.0	28.000 200	60.2 467	65.6 Citicasters Licenses, Inc.	14.5R 57.3M	

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 Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in  
 KM  
 Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd  
 adjacent.  
 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.  
 < = Station meets FCC minimum distance spacing for its class.  
 < = Contour Overlap

FMCommander Single Allocation Study - 01-05-2012 - NGDC 30 SEC  
W245AJ's Overlaps (In= -9.17 km, Out= 6.02 km)

W245AJ CH 245 D DA  
Lat= 39 06 59.0, Lng= 84 30 07.0  
0.25 kW 226 M HAAT, 441 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

WOKL CH 245 A 73.215 Z BLED20110418AES  
Lat= 39 56 49.0, Lng= 84 11 29.0  
6.0 kW 95 M HAAT, 373 M COR  
Prot.= 60 dBu, Intef.= 40 dBu



FMCommander Single Allocation Study - 01-05-2012 - NGDC 30 SEC  
W245AJ's Overlaps (In= -42.52 km, Out= 7.59 km)

W245AJ CH 245 D DA  
Lat= 39 06 59.0, Lng= 84 30 07.0  
0.25 kW 226 M HAAT, 441 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

WGKS CH 245 C2 BLH19910606KI  
Lat= 38 07 32.0, Lng= 84 21 12.0  
50.0 kW 150 M HAAT, 433 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

