

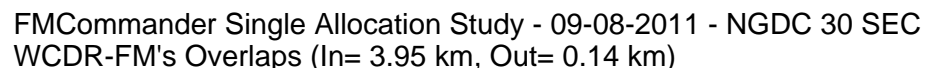
## Channel Study

REFERENCE		CH# 212B - 90.3 MHz, Pwr= 8.7 kW DA, HAAT= 290.9 M, COR= 556 M								DISPLAY DATES	
39 43 28.0 N.		Average Protected F(50-50)= 48.2 km								DATA 09-08-11	
84 15 18.0 W.		Standard Directional								SEARCH 09-08-11	
CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
212B	WCDR-FM	CP	DCX	82.2	32.2	39 45 46.0	43.000	131.9	48.3	-147.5*<	-132.5*<
Cedarville			OH	262.5	BPED20070907AEE	83 52 59.0	109	407	The Cedarville University		
212B	WCDR-FM	LIC	DE	82.2	32.2	39 45 46.0	30.000	123.5	45.1	-139.2*<	-129.4*<
Cedarville			OH	262.5	BLED19991222ABL	83 52 59.0	109	407	The Cedarville University		
06 T	DW27CT	AP	D N	228.3	48.1	39 26 09.0	0.300	19.7	34.8	54.5R	-6.3M
Columbia			IN	48.0	BDISDVL20070122AKO	84 40 23.7	219	415	Venture Technologies Group		
213B	WCBE	LIC	CN	75.6	110.2	39 57 48.0	11.000	58.2	39.0	3.9	0.1
Columbus			OH	256.4	BMLED19860311KC	83 00 17.0	162	406	Bd.of Educ., City Sch.dist		
212C1	WMKY	LIC	DCX	156.6	186.9	38 10 38.0	37.000	143.2	60.1	0.9	20.1
Morehead			KY	337.1	BLED20031022ALF	83 24 17.0	276	571	Morehead State University		
212B	WBCL	LIC	CX	332.8	172.7	41 06 13.0	26.000	132.8	53.8	0.9	19.2
Fort Wayne			IN	152.2	BLED20040528AHQ	85 11 46.0	211	457	Taylor University Broadcas		
211B1	WORI	CP	DCX	215.7	68.1	39 13 34.0	15.000	29.0	19.7	7.7	0.9
Harrison			OH	35.4	BPED20090715AAI	84 42 59.0	102	320	Educational Media Foundati		
211B1	WORI	LIC	DCX	215.7	68.1	39 13 34.0	15.000	29.0	19.7	7.7	0.9
Delhi Hills			OH	35.4	BLED20070124AKG	84 42 59.0	102	320	Educational Media Foundati		
213A	WAOM	LIC	VX	156.1	81.8	39 03 02.0	5.000	24.7	16.6	14.2	1.4
Mowrystown			OH	336.4	BLED20110718AAJ	83 52 17.0	31	311	God's Final Call & Warning		
213C2	WAOM	APP	DHX	152.9	86.6	39 01 48.0	35.000	29.2	19.9	13.9	2.1
Mowrystown			OH	333.2	BPED20110825AAA	83 47 52.0	54	343	God's Final Call & Warning		
213B	WAOM	APP	DHX	152.9	86.6	39 01 48.0	35.000	29.2	19.9	13.9	2.1
Mowrystown			OH	333.2	BPED20110727ADN	83 47 52.0	54	343	God's Final Call & Warning		
211B1	WOHC	CP	CX	114.4	100.9	39 20 45.0	7.000	45.4	29.3	8.7	2.4
Chillicothe			OH	295.0	BPED20091015AAO	83 11 15.0	120	392	The Cedarville University		
210A	WLHS	LIC	HN	192.2	46.0	39 19 10.0	0.100	0.7	10.1	6.8	33.0
West Chester			OH	12.1	BLED19820521AW	84 22 04.0	104	338	Lakota Local School Distri		
211A	WOHC	LIC	VN	114.4	100.9	39 20 45.0	2.000	32.8	22.0	21.4	9.6
Chillicothe			OH	295.0	BLED19920512KB	83 11 15.0	120	392	The Cedarville University		
210B	WDPG	LIC	DCN	327.3	55.9	40 08 49.0	50.000	3.4	34.6	13.8	18.2
Greenville			OH	147.1	BLED19930920KA	84 36 36.0	123	436	Dayton Public Radio, Inc.		
209A	WKWH	LIC	VX	264.6	56.9	39 40 29.9	0.110	0.7	5.8	15.9	47.8
Liberty			IN	84.2	BLED20110513AAC	84 54 54.8	11	315	Hoosier Public Radio Corpo		
215B	WGUC	LIC	CX	197.5	69.8	39 07 29.9	18.500	5.5	51.0	27.1	16.1
Cincinnati			OH	17.4	BLED20101221ABF	84 29 56.2	209	419	Cincinnati Public Radio, I		
213A	NEW	CP	DCX	257.4	91.1	39 32 30.6	0.450	25.6	17.3	27.5	17.1
Laurel			IN	76.8	BNPED20071022AXE	85 17 22.6	104	403	Summit Seekers, Inc.		
210A	NEW	CP	CX	146.4	68.2	39 12 45.6	0.100	0.7	7.4	22.6	56.7
Lynchburg			OH	326.7	BNPED20071022ARR	83 49 00.0	53	355	24-7 Broadcasting, Inc.		

<Page Break>

											Page # 2
CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
209C3	WNKU	LIC	DEN	193.4	78.2	39 02 21.0	12.000	1.3	13.8	38.7	61.5
Highland Heights			KY	13.3	BLD19850422KK	84 27 57.0	97	302	Northern Kentucky Universi		
211B	WXML	LIC	C	35.5	163.4	40 54 53.0	15.000	64.5	43.6	49.2	46.4
Upper Sandusky			OH	216.3	BLD20100624ALI	83 07 32.0	158	425	Kayser Broadcast Ministrie		
212A	WKJD	LIC	DVX	248.3	158.3	39 11 10.0	3.400	59.7	18.3	63.2	46.8
Columbus			IN	67.2	BLD20101006ABL	85 57 29.0	82	286	Good Shepherd Radio, Inc.		
214B	WGLE	LIC	DEX	6.7	104.0	40 39 15.0	50.000	5.5	48.7	53.9	51.3
Lima			OH	186.8	BMLED20051219ACI	84 06 36.0	128	410	Public Broadcasting Founda		
209B	WOSU-FM	LIC	DCX	72.4	110.6	40 01 02.0	40.000	5.7	50.7	56.4	55.1
Columbus			OH	253.2	BLD20100202ABD	83 01 11.0	168	418	The Ohio State University		
266A	WIZF<	LIC	CX	200.7	73.5	39 06 18.0	2.500	0.0	0.0	14.5R	59.0M
Erlanger			KY	20.5	BLH20060721AAQ	84 33 25.0	155	379	Blue Chip Broadcasting Lic		
214A	WOCU	CP	DCX	137.9	111.2	38 58 47.0	3.000	2.0	22.3	62.7	84.5
Sinking Spring			OH	318.4	BNPED20071019AAW	83 23 32.0	87	353	The Cedarville University		
211B	WFYI-FM	LIC	CN	277.3	167.7	39 53 59.0	10.000	60.5	41.0	65.1	64.2
Indianapolis			IN	96.1	BLD1574	86 12 01.0	171	418	Metropolitan Indnpls. Publ		
214A	WKPW	LIC	VX	272.9	108.2	39 46 01.0	4.400	1.7	16.6	64.7	88.1
Knightstown			IN	92.1	BLD20100830ABN	85 31 00.0	55	347	New Castle Area Career Pro		

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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 = 1, 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  
Reference station has protected zone issue: Canada



**WCDR-FM & WCBE**

09-08-2011 Terrain Data

WCBE BMLED19860311KC

Channel = 213B  
Max ERP = 11 kW  
RCAMSL = 406 M  
N. Lat. 39 57 48.0  
W. Lng. 83 00 17.0  
Protected  
60 dBu

WCDR-FM

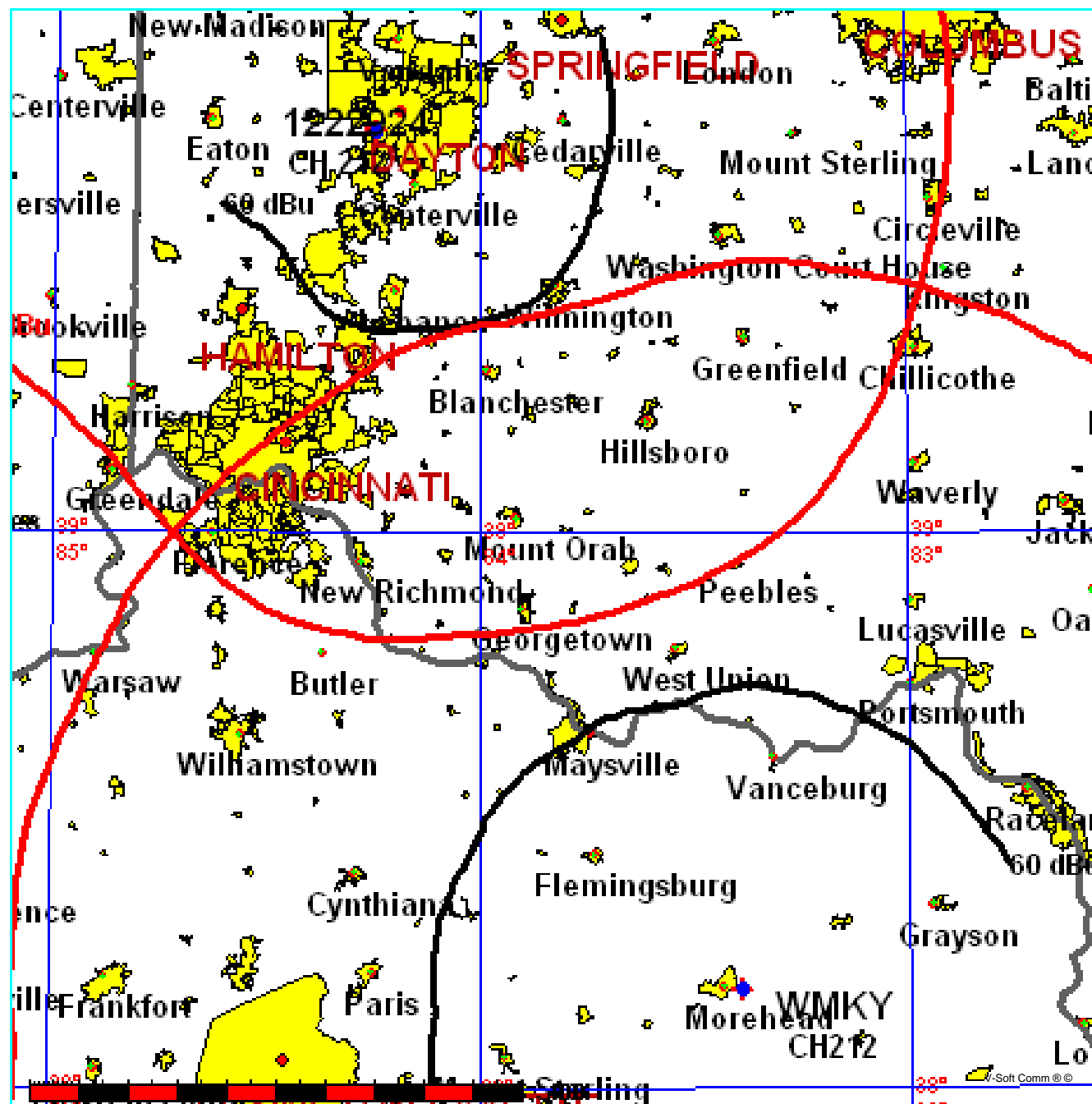
Channel = 212B  
Max ERP = 8.7 kW  
RCAMSL = 556 M  
N. Lat. 39 43 28.0  
W. Lng. 84 15 18.0  
Interfering  
54 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
239.0	011.0000	0157.0	039.9	085.0	008.7000	0283.5	073.2	53.06	
240.0	011.0000	0156.3	039.8	084.5	008.7000	0283.9	073.0	53.15	
241.0	011.0000	0155.8	039.7	084.0	008.7000	0284.3	072.8	53.24	
242.0	011.0000	0155.3	039.7	083.5	008.7000	0284.8	072.6	53.33	
243.0	011.0000	0154.9	039.6	082.9	008.7000	0285.3	072.3	53.42	
244.0	011.0000	0154.5	039.6	082.4	008.7000	0285.8	072.2	53.50	
245.0	011.0000	0154.1	039.5	081.9	008.7000	0286.3	072.0	53.58	
246.0	011.0000	0153.6	039.5	081.3	008.7000	0286.6	071.8	53.64	
247.0	011.0000	0153.1	039.4	080.8	008.7000	0287.0	071.7	53.69	
248.0	011.0000	0152.5	039.3	080.2	008.7000	0287.3	071.6	53.74	
249.0	011.0000	0152.0	039.3	079.7	008.7000	0287.6	071.5	53.78	
250.0	011.0000	0151.5	039.2	079.1	008.7000	0288.0	071.5	53.81	
251.0	011.0000	0151.1	039.2	078.6	008.7000	0288.2	071.4	53.84	
252.0	011.0000	0150.8	039.1	078.0	008.7000	0288.4	071.4	53.86	
253.0	011.0000	0150.5	039.1	077.5	008.7000	0288.5	071.3	53.88	
254.0	011.0000	0150.3	039.1	076.9	008.7000	0288.7	071.3	53.90	
255.0	011.0000	0150.1	039.1	076.4	008.7000	0289.0	071.3	53.91	
256.0	011.0000	0150.0	039.0	075.8	008.7000	0289.4	071.3	53.92	
257.0	011.0000	0149.8	039.0	075.3	008.7000	0290.0	071.3	53.93	
258.0	011.0000	0149.7	039.0	074.7	008.7000	0290.6	071.3	53.94	
259.0	011.0000	0149.6	039.0	074.2	008.7000	0291.3	071.4	53.95	
260.0	011.0000	0149.6	039.0	073.6	008.7000	0292.2	071.5	53.95	
261.0	011.0000	0149.5	039.0	073.1	008.7000	0293.1	071.5	53.96	
262.0	011.0000	0149.5	039.0	072.5	008.7000	0294.1	071.6	53.95	
263.0	011.0000	0149.4	039.0	072.0	008.7000	0295.1	071.8	53.94	
264.0	011.0000	0149.2	038.9	071.5	008.7000	0296.1	071.9	53.92	
265.0	011.0000	0149.1	038.9	071.0	008.7000	0297.2	072.1	53.90	
266.0	011.0000	0149.0	038.9	070.4	008.7000	0298.3	072.2	53.88	
267.0	011.0000	0148.9	038.9	069.9	008.7000	0299.4	072.4	53.84	
268.0	011.0000	0148.8	038.9	069.4	008.7000	0300.5	072.7	53.81	
269.0	011.0000	0148.6	038.9	068.9	008.7000	0301.6	072.9	53.76	
270.0	011.0000	0148.5	038.9	068.4	008.7000	0302.6	073.1	53.70	
271.0	011.0000	0148.3	038.8	067.9	008.7000	0303.5	073.4	53.64	
272.0	011.0000	0148.2	038.8	067.4	008.7000	0304.3	073.7	53.57	
273.0	011.0000	0148.1	038.8	067.0	008.7000	0305.1	074.0	53.50	
274.0	011.0000	0148.1	038.8	066.5	008.7000	0305.8	074.3	53.42	
275.0	011.0000	0148.2	038.8	066.0	008.7000	0306.6	074.6	53.34	
276.0	011.0000	0148.4	038.8	065.6	008.7000	0307.3	074.9	53.26	
277.0	011.0000	0148.5	038.9	065.1	008.7000	0308.0	075.2	53.17	
278.0	011.0000	0148.6	038.9	064.7	008.7000	0308.8	075.6	53.07	

FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
 WCDR-FM's Overlaps (In= 0.87 km, Out= 20.15 km)

WCDR-FM CH 212 B DA  
 Lat= 39 43 28.0, Lng= 84 15 18.0  
 8.7 kW 290.9 M HAAT, 556 M COR  
 Prot.= 60 dBu, Intef.= 40 dBu

WMKY CH 212 C1 DA BLED20031022ALF  
 Lat= 38 10 38.0, Lng= 83 24 17.0  
 37.0 kW 275.6 M HAAT, 571.4 M COR  
 Prot.= 60 dBu, Intef.= 40 dBu



**WCDR-FM & WKMY**

09-08-2011      Terrain Data      FM Over Analysis

WCDR-FM

WKMY BLED20031022ALF

Channel = 212B  
Max ERP = 8.7 kW  
RCAMSL = 556 M  
N. Lat. 39 43 28.0  
W. Lng. 84 15 18.0  
Protected  
60 dBu

Channel = 212C1  
Max ERP = 37 kW  
RCAMSL = 571.4 M  
N. Lat. 38 10 38.0  
W. Lng. 83 24 17.0  
Interfering  
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
132.0	008.3828	0281.1	047.2	344.7	029.9594	0272.7	145.4	39.04	
133.0	008.2264	0282.2	047.1	344.4	029.9477	0273.1	145.1	39.11	
134.0	008.0715	0283.3	047.0	344.1	029.9358	0273.7	144.8	39.18	
135.0	007.9180	0284.1	046.9	343.8	029.9237	0274.2	144.5	39.25	
136.0	007.7660	0284.8	046.8	343.5	029.9115	0274.8	144.2	39.31	
137.0	007.6155	0285.4	046.6	343.2	029.8990	0275.4	143.9	39.36	
138.0	007.4665	0285.7	046.5	342.9	029.8865	0276.0	143.7	39.41	
139.0	007.3189	0285.9	046.3	342.6	029.8738	0276.6	143.6	39.45	
140.0	007.1728	0286.1	046.1	342.3	029.8610	0277.3	143.4	39.49	
141.0	006.9954	0286.4	045.9	341.9	029.8480	0278.0	143.3	39.52	
142.0	006.8202	0286.8	045.7	341.6	029.8351	0278.6	143.2	39.55	
143.0	006.6472	0287.3	045.6	341.3	029.8222	0279.3	143.1	39.57	
144.0	006.4765	0287.8	045.4	341.0	029.8093	0280.2	143.1	39.59	
145.0	006.3080	0288.2	045.2	340.7	029.7965	0281.1	143.0	39.61	
146.0	006.1416	0288.4	045.0	340.3	029.7836	0282.1	143.1	39.63	
147.0	005.9776	0288.5	044.7	340.0	029.7707	0283.2	143.1	39.64	
148.0	005.8157	0288.3	044.5	339.7	029.9872	0284.3	143.2	39.67	
149.0	005.6560	0288.0	044.2	339.4	030.2070	0285.4	143.3	39.70	
150.0	005.4986	0287.7	044.0	339.0	030.4256	0286.5	143.4	39.73	
151.0	005.4022	0287.4	043.8	338.7	030.6396	0287.4	143.5	39.76	
152.0	005.3067	0287.1	043.6	338.4	030.8530	0288.1	143.5	39.79	
153.0	005.2120	0286.8	043.5	338.1	031.0657	0288.7	143.6	39.81	
154.0	005.1181	0286.6	043.3	337.8	031.2775	0289.0	143.7	39.83	
155.0	005.0251	0286.4	043.1	337.5	031.4882	0289.1	143.9	39.83	
156.0	004.9330	0285.9	043.0	337.2	031.6979	0289.1	144.0	39.83	
157.0	004.8417	0285.2	042.8	336.9	031.9059	0288.9	144.2	39.81	
158.0	004.7513	0284.5	042.6	336.6	032.1121	0288.5	144.4	39.79	
159.0	004.6617	0283.9	042.4	336.4	032.3162	0288.0	144.6	39.77	
160.0	004.5729	0283.4	042.2	336.1	032.5185	0287.4	144.9	39.74	
161.0	004.4951	0282.8	042.0	335.8	032.7190	0286.8	145.1	39.71	
162.0	004.4178	0282.1	041.8	335.5	032.9170	0286.1	145.4	39.67	
163.0	004.3413	0281.3	041.6	335.2	033.1122	0285.5	145.7	39.63	
164.0	004.2654	0280.5	041.4	335.0	033.3052	0284.8	146.0	39.59	
165.0	004.1902	0280.2	041.3	334.7	033.4968	0284.2	146.2	39.55	
166.0	004.1157	0280.4	041.2	334.4	033.6876	0283.7	146.5	39.52	
167.0	004.0418	0280.4	041.0	334.2	033.8757	0283.1	146.8	39.48	
168.0	003.9686	0280.2	040.9	333.9	034.0600	0282.6	147.1	39.43	
169.0	003.8961	0279.9	040.7	333.7	034.2414	0282.2	147.5	39.38	
170.0	003.8243	0279.9	040.5	333.4	034.4210	0281.9	147.8	39.34	
171.0	003.7748	0280.4	040.5	333.2	034.6046	0281.5	148.1	39.30	
172.0	003.7257	0281.0	040.4	332.9	034.7862	0281.3	148.4	39.26	
173.0	003.6769	0281.9	040.3	332.7	034.9683	0281.1	148.7	39.23	

**Educational Media Foundation**

5700 West Oaks Boulevard

Rocklin, CA 95765

*Exhibit 18-B1**Cedarville, OH*

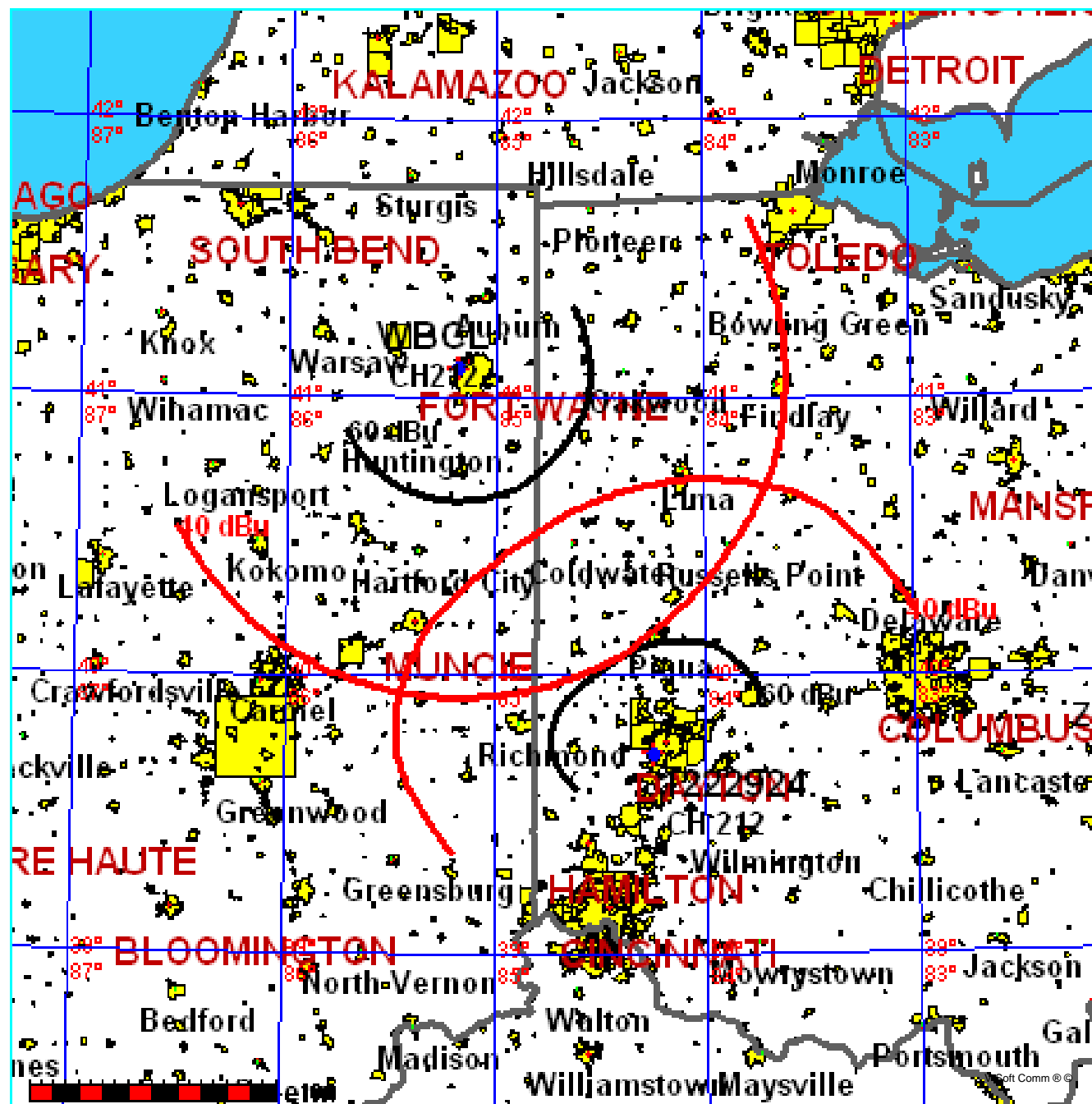
174.0	003.6284	0283.4	040.3	332.5	035.1513	0280.8	149.0	39.20
175.0	003.5802	0285.2	040.3	332.2	035.3347	0280.6	149.2	39.17
176.0	003.5324	0287.2	040.3	332.0	035.5181	0280.4	149.5	39.14
177.0	003.4849	0289.2	040.3	331.7	035.7000	0280.1	149.8	39.10
178.0	003.4377	0291.3	040.4	331.5	035.8798	0279.7	150.1	39.06
179.0	003.3908	0292.6	040.3	331.3	036.0525	0279.2	150.4	39.01

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FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
 WCDR-FM's Overlaps (In= 0.88 km, Out= 19.15 km)

WCDR-FM CH 212 B DA  
 Lat= 39 43 28.0, Lng= 84 15 18.0  
 8.7 kW 290.9 M HAAT, 556 M COR  
 Prot.= 60 dBu, Intef.= 40 dBu

WBCL CH 212 B BLED20040528AHQ  
 Lat= 41 06 13.0, Lng= 85 11 46.0  
 26.0 kW 211 M HAAT, 457 M COR  
 Prot.= 60 dBu, Intef.= 40 dBu





**WCDR-FM & WBCL**

09-09-2011 Terrain Data FMOver Analysis

WCDR-FM

WBCL BLED20040528AHQ

Channel = 212B  
Max ERP = 8.7 kW  
RCAMSL = 556 M  
N. Lat. 39 43 28.0  
W. Lng. 84 15 18.0  
Protected  
60 dBu

Channel = 212B  
Max ERP = 26 kW  
RCAMSL = 457 M  
N. Lat. 41 06 13.0  
W. Lng. 85 11 46.0  
Interfering  
40 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
308.0	003.8891	0261.2	039.5	159.2	026.0000	0225.7	137.7	39.00	
309.0	003.8162	0261.7	039.4	158.9	026.0000	0225.8	137.4	39.05	
310.0	003.7439	0262.7	039.3	158.7	026.0000	0226.0	137.2	39.10	
311.0	003.6678	0264.0	039.3	158.4	026.0000	0226.1	136.9	39.16	
312.0	003.5925	0265.5	039.2	158.1	026.0000	0226.2	136.7	39.21	
313.0	003.5180	0267.1	039.1	157.9	026.0000	0226.4	136.4	39.25	
314.0	003.4443	0268.6	039.0	157.6	026.0000	0226.5	136.2	39.30	
315.0	003.3713	0270.2	039.0	157.3	026.0000	0226.6	136.0	39.34	
316.0	003.2991	0271.6	038.9	157.0	026.0000	0226.8	135.8	39.38	
317.0	003.2277	0272.9	038.8	156.8	026.0000	0226.9	135.7	39.41	
318.0	003.1571	0274.1	038.7	156.5	026.0000	0227.0	135.6	39.44	
319.0	003.0873	0275.2	038.6	156.2	026.0000	0227.2	135.5	39.46	
320.0	003.0182	0276.2	038.5	155.9	026.0000	0227.3	135.4	39.48	
321.0	003.0162	0277.2	038.5	155.6	026.0000	0227.5	135.1	39.53	
322.0	003.0141	0278.0	038.5	155.4	026.0000	0227.6	134.9	39.57	
323.0	003.0121	0278.5	038.6	155.1	026.0000	0227.8	134.8	39.61	
324.0	003.0100	0279.0	038.6	154.8	026.0000	0227.9	134.6	39.64	
325.0	003.0080	0279.4	038.6	154.5	026.0000	0228.1	134.5	39.67	
326.0	003.0059	0279.7	038.6	154.2	026.0000	0228.2	134.3	39.70	
327.0	003.0039	0280.0	038.6	153.9	026.0000	0228.3	134.2	39.72	
328.0	003.0018	0280.3	038.6	153.7	026.0000	0228.4	134.2	39.74	
329.0	002.9998	0280.7	038.7	153.4	026.0000	0228.5	134.1	39.76	
330.0	002.9978	0281.2	038.7	153.1	026.0000	0228.6	134.0	39.77	
331.0	003.0326	0281.6	038.8	152.8	026.0000	0228.6	133.9	39.80	
332.0	003.0676	0281.9	038.9	152.5	026.0000	0228.5	133.7	39.83	
333.0	003.1028	0282.4	039.0	152.2	026.0000	0228.5	133.6	39.85	
334.0	003.1383	0283.0	039.2	151.9	026.0000	0228.3	133.5	39.87	
335.0	003.1739	0283.5	039.3	151.6	026.0000	0228.2	133.4	39.88	
336.0	003.2097	0283.8	039.4	151.3	026.0000	0228.0	133.4	39.89	
337.0	003.2458	0284.2	039.5	151.0	026.0000	0227.7	133.3	39.89	
338.0	003.2820	0284.6	039.6	150.7	026.0000	0227.5	133.3	39.89	
339.0	003.3184	0285.1	039.7	150.4	026.0000	0227.2	133.2	39.89	
340.0	003.3551	0285.6	039.8	150.1	026.0000	0226.9	133.2	39.88	
341.0	003.4082	0286.1	040.0	149.8	026.0000	0226.6	133.2	39.88	
342.0	003.4618	0286.5	040.1	149.5	026.0000	0226.3	133.2	39.88	
343.0	003.5158	0287.0	040.3	149.2	026.0000	0225.9	133.2	39.87	
344.0	003.5702	0287.3	040.4	148.9	026.0000	0225.6	133.3	39.85	
345.0	003.6250	0287.6	040.6	148.6	026.0000	0225.2	133.3	39.83	
346.0	003.6803	0287.9	040.7	148.3	026.0000	0224.8	133.4	39.81	
347.0	003.7359	0288.1	040.8	148.0	026.0000	0224.4	133.5	39.78	
348.0	003.7920	0288.2	041.0	147.6	026.0000	0224.0	133.6	39.75	
349.0	003.8485	0288.4	041.1	147.3	026.0000	0223.6	133.7	39.71	

**Educational Media Foundation**  
5700 West Oaks Boulevard  
Rocklin, CA 95765

*Exhibit 18-C1*  
*Cedarville, OH*

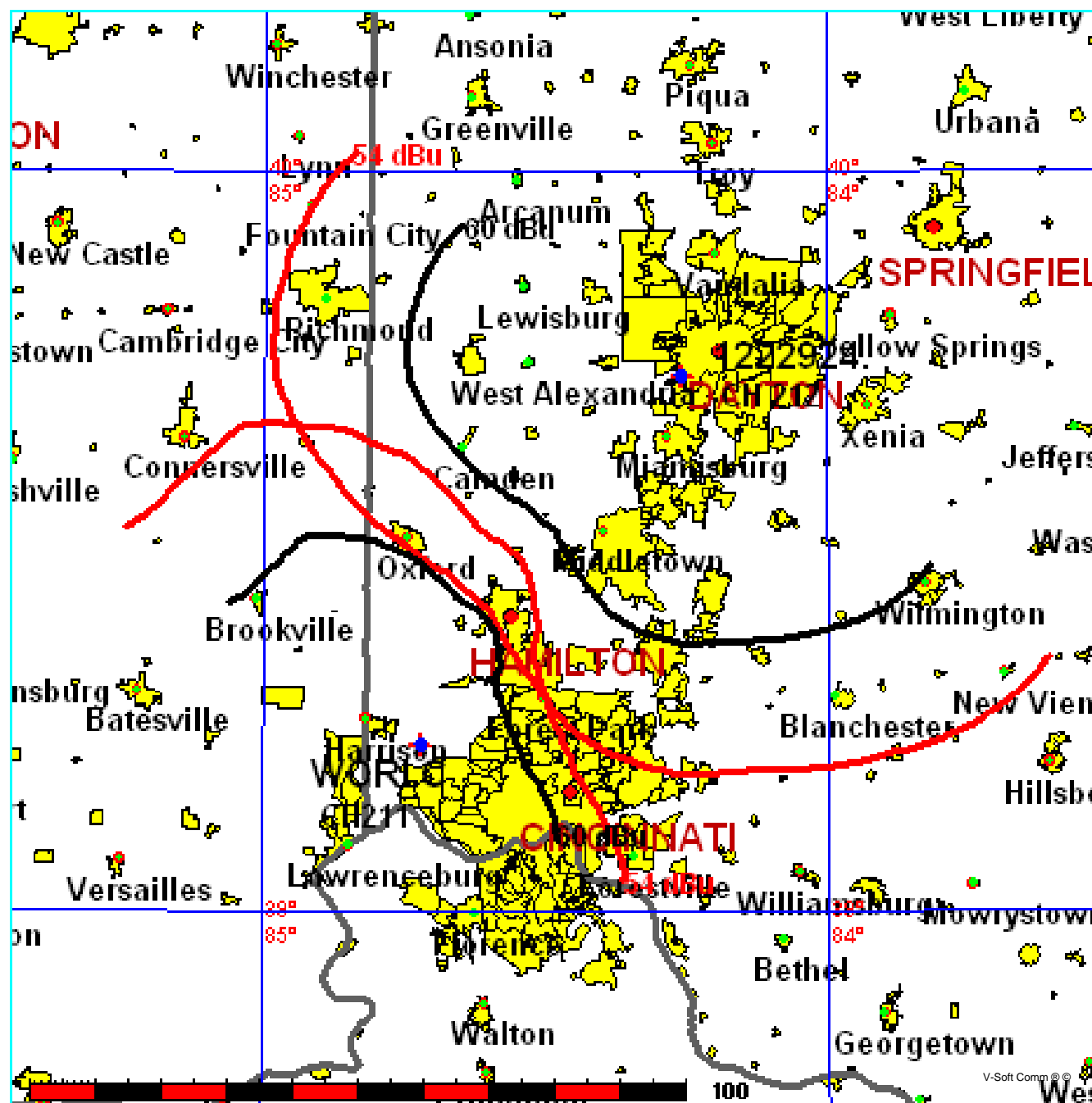
350.0	003.9054	0288.9	041.2	147.0	026.0000	0223.2	133.9	39.68
351.0	003.9969	0289.5	041.5	146.7	026.0000	0222.8	134.0	39.65
352.0	004.0894	0290.1	041.7	146.4	026.0000	0222.4	134.1	39.62
353.0	004.1830	0290.6	041.9	146.1	026.0000	0222.0	134.2	39.59
354.0	004.2776	0291.2	042.1	145.7	026.0000	0221.6	134.3	39.55
355.0	004.3733	0290.9	042.3	145.4	026.0000	0221.2	134.5	39.50
356.0	004.4701	0290.8	042.4	145.1	026.0000	0220.9	134.8	39.45
357.0	004.5679	0290.1	042.6	144.8	026.0000	0220.5	135.0	39.39
358.0	004.6668	0289.5	042.7	144.5	026.0000	0220.2	135.3	39.33
359.0	004.7667	0289.2	042.9	144.2	026.0000	0219.8	135.6	39.27
000.0	004.8677	0288.9	043.0	143.9	026.0000	0219.5	135.9	39.20
001.0	005.0053	0288.7	043.3	143.6	026.0000	0219.2	136.2	39.14
002.0	005.1448	0288.4	043.5	143.3	026.0000	0218.9	136.5	39.08
003.0	005.2863	0288.4	043.7	143.0	026.0000	0218.7	136.8	39.01

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FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
WCDR-FM's Overlaps (In= 7.67 km, Out= 0.94 km)

WCDR-FM CH 212 B DA  
Lat= 39 43 28.0, Lng= 84 15 18.0  
8.7 kW 290.9 M HAAT, 556 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WORI-C CH 211 B1 DA BPED20090715AAI  
Lat= 39 13 34.0, Lng= 84 42 59.0  
15.0 kW 102 M HAAT, 320 M COR  
Prot.= 60 dBu, Intef.= 54 dBu



**WCDR-FM & WOR1**

09-09-2011 Terrain Data

WOR1.C BPED20090715AAI

WCDR-FM

Channel = 211B1  
Max ERP = 15 kW  
RCAMSL = 320 M  
N. Lat. 39 13 34.0  
W. Lng. 84 42 59.0  
Protected  
60 dBu

Channel = 212B  
Max ERP = 8.7 kW  
RCAMSL = 556 M  
N. Lat. 39 43 28.0  
W. Lng. 84 15 18.0  
Interfering  
54 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
347.0	006.9605	0114.6	031.2	241.9	001.2718	0308.7	052.9	53.05	
348.0	006.6294	0114.8	030.9	241.4	001.2416	0308.8	052.5	53.12	
349.0	006.3063	0114.7	030.5	240.9	001.2083	0309.0	052.1	53.16	
350.0	005.9914	0114.4	030.1	240.3	001.1737	0309.1	051.7	53.19	
351.0	005.7474	0114.0	029.8	239.7	001.1498	0309.2	051.3	53.25	
352.0	005.5085	0113.7	029.4	239.1	001.1320	0309.3	051.0	53.32	
353.0	005.2747	0113.2	029.1	238.6	001.1138	0309.4	050.6	53.39	
354.0	005.0460	0113.2	028.8	238.0	001.0970	0309.5	050.3	53.45	
355.0	004.8223	0114.1	028.6	237.6	001.0826	0309.6	049.9	53.54	
356.0	004.6037	0115.3	028.4	237.1	001.0690	0309.7	049.6	53.63	
357.0	004.3902	0116.0	028.2	236.6	001.0533	0309.8	049.3	53.69	
358.0	004.1818	0115.7	027.9	236.0	001.0343	0309.9	049.0	53.71	
359.0	003.9784	0115.3	027.5	235.3	001.0149	0310.0	048.8	53.72	
000.0	003.7801	0114.9	027.2	234.6	000.9952	0310.2	048.6	53.71	
001.0	003.6265	0113.8	026.8	234.0	000.9756	0310.2	048.4	53.70	
002.0	003.4762	0112.8	026.5	233.3	000.9560	0310.3	048.3	53.67	
003.0	003.3290	0111.9	026.1	232.6	000.9369	0310.4	048.2	53.63	
004.0	003.1850	0111.1	025.8	232.0	000.9183	0310.3	048.1	53.59	
005.0	003.0443	0110.4	025.4	231.3	000.8998	0310.2	048.0	53.54	
006.0	002.9066	0110.0	025.1	230.7	000.8824	0310.0	047.8	53.49	
007.0	002.7722	0109.9	024.9	230.1	000.8656	0309.9	047.7	53.44	
008.0	002.6410	0109.3	024.5	229.4	000.8599	0309.8	047.7	53.43	
009.0	002.5129	0108.6	024.2	228.8	000.8559	0310.0	047.7	53.42	
010.0	002.3880	0108.1	023.9	228.1	000.8521	0310.3	047.7	53.41	
011.0	002.2909	0107.8	023.6	227.6	000.8486	0310.6	047.6	53.42	
012.0	002.1957	0107.2	023.3	226.9	000.8450	0311.0	047.6	53.42	
013.0	002.1026	0106.8	023.0	226.4	000.8414	0311.2	047.6	53.41	
014.0	002.0115	0106.7	022.8	225.8	000.8381	0311.3	047.6	53.40	
015.0	001.9225	0107.0	022.6	225.3	000.8349	0311.4	047.6	53.39	
016.0	001.8354	0107.5	022.4	224.7	000.8318	0311.4	047.6	53.39	
017.0	001.7504	0108.5	022.3	224.2	000.8288	0311.4	047.5	53.39	
018.0	001.6673	0109.9	022.1	223.7	000.8260	0311.5	047.5	53.40	
019.0	001.5863	0111.6	022.0	223.3	000.8232	0311.5	047.4	53.42	
020.0	001.5073	0113.9	022.0	222.8	000.8205	0311.6	047.3	53.45	
021.0	001.4462	0116.4	022.0	222.4	000.8180	0311.7	047.1	53.50	
022.0	001.3862	0118.6	021.9	221.9	000.8154	0311.7	047.0	53.53	
023.0	001.3276	0120.4	021.9	221.5	000.8126	0311.8	047.0	53.54	
024.0	001.2702	0121.8	021.8	221.0	000.8098	0311.8	047.0	53.52	
025.0	001.2141	0123.1	021.6	220.5	000.8069	0311.8	047.0	53.50	
026.0	001.1593	0125.1	021.5	220.0	000.8042	0311.7	047.0	53.49	
027.0	001.1057	0127.5	021.5	219.6	000.8192	0311.7	046.9	53.57	
028.0	001.0534	0129.6	021.4	219.1	000.8356	0311.5	047.0	53.65	

**Educational Media Foundation**  
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Rocklin, CA 95765

*Exhibit 18-D1*  
*Cedarville, OH*

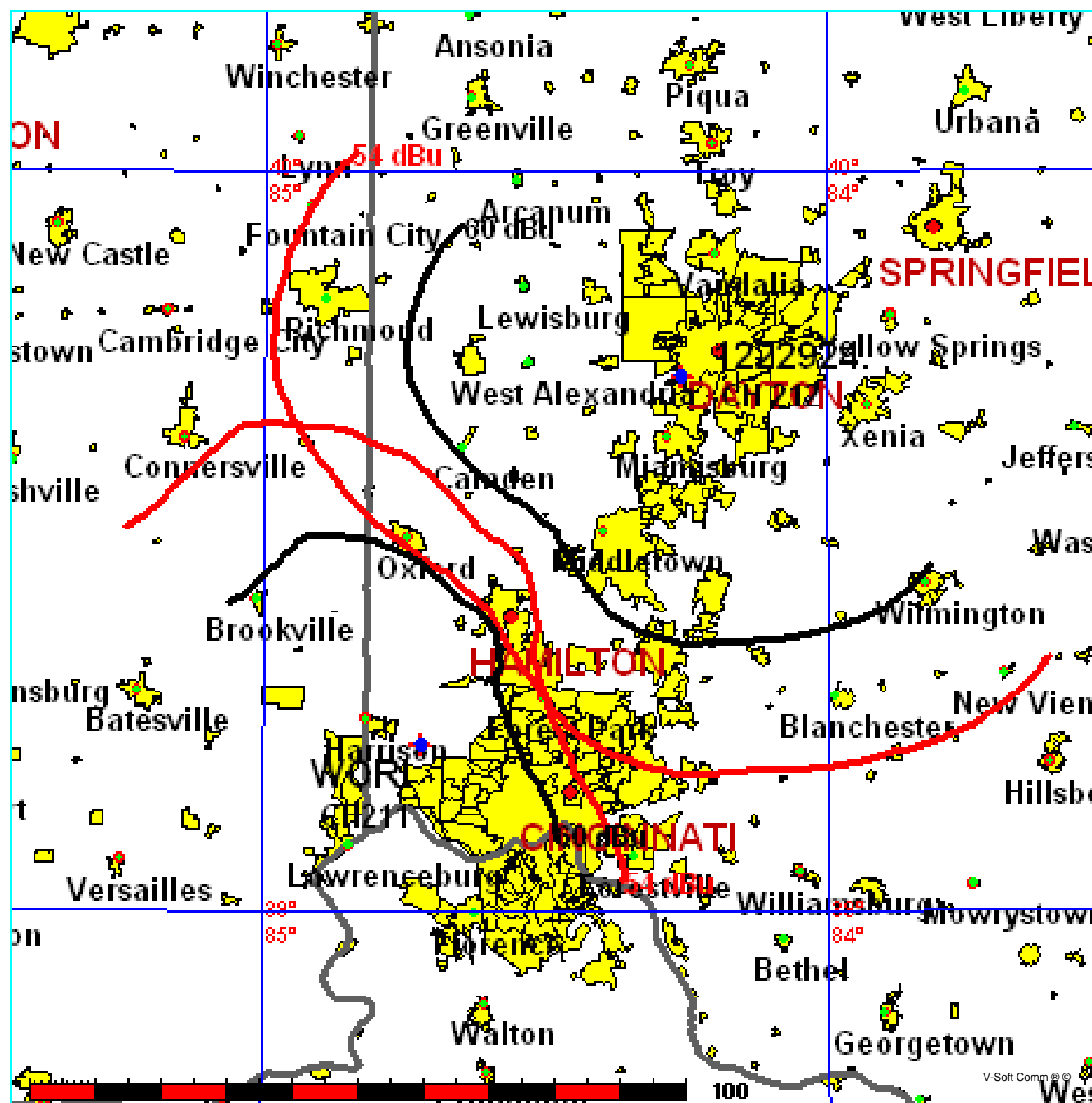
029.0	001.0023	0130.9	021.2	218.6	000.8524	0311.4	047.0	53.70
030.0	000.9526	0131.7	021.0	218.1	000.8695	0311.1	047.2	53.72
031.0	000.9137	0131.9	020.8	217.7	000.8864	0310.9	047.3	53.74
032.0	000.8756	0131.7	020.6	217.2	000.9031	0310.7	047.5	53.74
033.0	000.8383	0131.2	020.4	216.7	000.9197	0310.5	047.7	53.73
034.0	000.8018	0130.6	020.1	216.3	000.9359	0310.3	048.0	53.70
035.0	000.7661	0129.8	019.8	215.9	000.9516	0310.1	048.3	53.65
036.0	000.7313	0128.8	019.5	215.5	000.9668	0309.9	048.6	53.60
037.0	000.6973	0127.8	019.2	215.1	000.9815	0309.7	048.9	53.54
038.0	000.6640	0126.4	018.9	214.7	000.9956	0309.6	049.2	53.46
039.0	000.6316	0124.7	018.5	214.4	001.0089	0309.5	049.6	53.36
040.0	000.6000	0122.8	018.1	214.1	001.0213	0309.4	050.0	53.24
041.0	000.5869	0120.9	017.9	213.7	001.0339	0309.2	050.3	53.18
042.0	000.5739	0119.4	017.6	213.4	001.0462	0309.1	050.6	53.13
043.0	000.5611	0118.4	017.5	213.1	001.0582	0309.0	050.8	53.08
044.0	000.5484	0117.4	017.3	212.8	001.0700	0308.8	051.0	53.03

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FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
 WCDR-FM's Overlaps (In= 7.67 km, Out= 0.94 km)

WCDR-FM CH 212 B DA  
 Lat= 39 43 28.0, Lng= 84 15 18.0  
 8.7 kW 290.9 M HAAT, 556 M COR  
 Prot.= 60 dBu, Intef.= 54 dBu

WORI CH 211 B1 DA BLED20070124AKG  
 Lat= 39 13 34.0, Lng= 84 42 59.0  
 15.0 kW 102.2 M HAAT, 320 M COR  
 Prot.= 60 dBu, Intef.= 54 dBu



**WCDR-FM & WOR1**

09-09-2011 Terrain Data

WOR1 BLED20070124AKG

WCDR-FM

Channel = 211B1  
Max ERP = 15 kW  
RCAMSL = 320 M  
N. Lat. 39 13 34.0  
W. Lng. 84 42 59.0  
Protected  
60 dBu

Channel = 212B  
Max ERP = 8.7 kW  
RCAMSL = 556 M  
N. Lat. 39 43 28.0  
W. Lng. 84 15 18.0  
Interfering  
54 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
347.0	006.9605	0114.6	031.2	241.9	001.2718	0308.7	052.9	53.05	
348.0	006.6294	0114.8	030.9	241.4	001.2416	0308.8	052.5	53.12	
349.0	006.3063	0114.7	030.5	240.9	001.2083	0309.0	052.1	53.16	
350.0	005.9914	0114.4	030.1	240.3	001.1737	0309.1	051.7	53.19	
351.0	005.7474	0114.0	029.8	239.7	001.1498	0309.2	051.3	53.25	
352.0	005.5085	0113.7	029.4	239.1	001.1320	0309.3	051.0	53.32	
353.0	005.2747	0113.2	029.1	238.6	001.1138	0309.4	050.6	53.39	
354.0	005.0460	0113.2	028.8	238.0	001.0970	0309.5	050.3	53.45	
355.0	004.8223	0114.1	028.6	237.6	001.0826	0309.6	049.9	53.54	
356.0	004.6037	0115.3	028.4	237.1	001.0690	0309.7	049.6	53.63	
357.0	004.3902	0116.0	028.2	236.6	001.0533	0309.8	049.3	53.69	
358.0	004.1818	0115.7	027.9	236.0	001.0343	0309.9	049.0	53.71	
359.0	003.9784	0115.3	027.5	235.3	001.0149	0310.0	048.8	53.72	
000.0	003.7801	0114.9	027.2	234.6	000.9952	0310.2	048.6	53.71	
001.0	003.6265	0113.8	026.8	234.0	000.9756	0310.2	048.4	53.70	
002.0	003.4762	0112.8	026.5	233.3	000.9560	0310.3	048.3	53.67	
003.0	003.3290	0111.9	026.1	232.6	000.9369	0310.4	048.2	53.63	
004.0	003.1850	0111.1	025.8	232.0	000.9183	0310.3	048.1	53.59	
005.0	003.0443	0110.4	025.4	231.3	000.8998	0310.2	048.0	53.54	
006.0	002.9066	0110.0	025.1	230.7	000.8824	0310.0	047.8	53.49	
007.0	002.7722	0109.9	024.9	230.1	000.8656	0309.9	047.7	53.44	
008.0	002.6410	0109.3	024.5	229.4	000.8599	0309.8	047.7	53.43	
009.0	002.5129	0108.6	024.2	228.8	000.8559	0310.0	047.7	53.42	
010.0	002.3880	0108.1	023.9	228.1	000.8521	0310.3	047.7	53.41	
011.0	002.2909	0107.8	023.6	227.6	000.8486	0310.6	047.6	53.42	
012.0	002.1957	0107.2	023.3	226.9	000.8450	0311.0	047.6	53.42	
013.0	002.1026	0106.8	023.0	226.4	000.8414	0311.2	047.6	53.41	
014.0	002.0115	0106.7	022.8	225.8	000.8381	0311.3	047.6	53.40	
015.0	001.9225	0107.0	022.6	225.3	000.8349	0311.4	047.6	53.39	
016.0	001.8354	0107.5	022.4	224.7	000.8318	0311.4	047.6	53.39	
017.0	001.7504	0108.5	022.3	224.2	000.8288	0311.4	047.5	53.39	
018.0	001.6673	0109.9	022.1	223.7	000.8260	0311.5	047.5	53.40	
019.0	001.5863	0111.6	022.0	223.3	000.8232	0311.5	047.4	53.42	
020.0	001.5073	0113.9	022.0	222.8	000.8205	0311.6	047.3	53.45	
021.0	001.4462	0116.4	022.0	222.4	000.8180	0311.7	047.1	53.50	
022.0	001.3862	0118.6	021.9	221.9	000.8154	0311.7	047.0	53.53	
023.0	001.3276	0120.4	021.9	221.5	000.8126	0311.8	047.0	53.54	
024.0	001.2702	0121.8	021.8	221.0	000.8098	0311.8	047.0	53.52	
025.0	001.2141	0123.1	021.6	220.5	000.8069	0311.8	047.0	53.50	
026.0	001.1593	0125.1	021.5	220.0	000.8042	0311.7	047.0	53.49	
027.0	001.1057	0127.5	021.5	219.6	000.8192	0311.7	046.9	53.57	
028.0	001.0534	0129.6	021.4	219.1	000.8356	0311.5	047.0	53.65	

**Educational Media Foundation**  
5700 West Oaks Boulevard  
Rocklin, CA 95765

*Exhibit 18-E1*  
*Cedarville, OH*

029.0	001.0023	0130.9	021.2	218.6	000.8524	0311.4	047.0	53.70
030.0	000.9526	0131.7	021.0	218.1	000.8695	0311.1	047.2	53.72
031.0	000.9137	0131.9	020.8	217.7	000.8864	0310.9	047.3	53.74
032.0	000.8756	0131.7	020.6	217.2	000.9031	0310.7	047.5	53.74
033.0	000.8383	0131.2	020.4	216.7	000.9197	0310.5	047.7	53.73
034.0	000.8018	0130.6	020.1	216.3	000.9359	0310.3	048.0	53.70
035.0	000.7661	0129.8	019.8	215.9	000.9516	0310.1	048.3	53.65
036.0	000.7313	0128.8	019.5	215.5	000.9668	0309.9	048.6	53.60
037.0	000.6973	0127.8	019.2	215.1	000.9815	0309.7	048.9	53.54
038.0	000.6640	0126.4	018.9	214.7	000.9956	0309.6	049.2	53.46
039.0	000.6316	0124.7	018.5	214.4	001.0089	0309.5	049.6	53.36
040.0	000.6000	0122.8	018.1	214.1	001.0213	0309.4	050.0	53.24
041.0	000.5869	0120.9	017.9	213.7	001.0339	0309.2	050.3	53.18
042.0	000.5739	0119.4	017.6	213.4	001.0462	0309.1	050.6	53.13
043.0	000.5611	0118.4	017.5	213.1	001.0582	0309.0	050.8	53.08
044.0	000.5484	0117.4	017.3	212.8	001.0700	0308.8	051.0	53.03

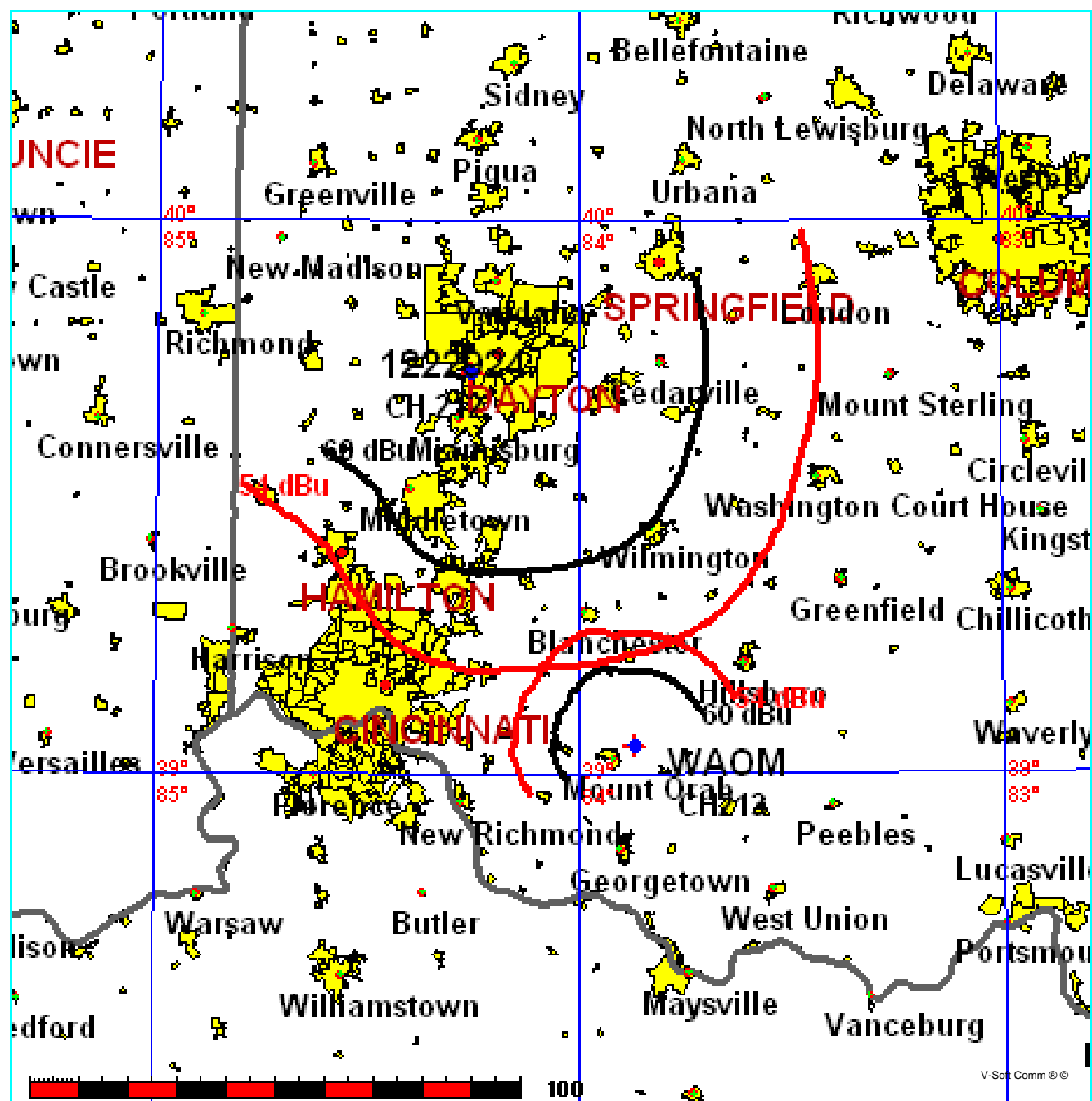
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FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
WCDR-FM's Overlaps (In= 14.18 km, Out= 1.39 km)

WCDR-FM CH 212 B DA  
Lat= 39 43 28.0, Lng= 84 15 18.0  
8.7 kW 290.9 M HAAT, 556 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WAOM CH 213 A BLED20110718AAJ  
Lat= 39 03 02.0, Lng= 83 52 17.0  
5.0 kW 31 M HAAT, 311 M COR  
Prot.= 60 dBu, Intef.= 54 dBu



**WCDR-FM & WAOM**

09-09-2011 Terrain Data

WAOM BLED20110718AAJ

WCDR-FM

Channel = 213A  
Max ERP = 5 kW  
RCAMSL = 311 M  
N. Lat. 39 03 02.0  
W. Lng. 83 52 17.0  
Protected  
60 dBu

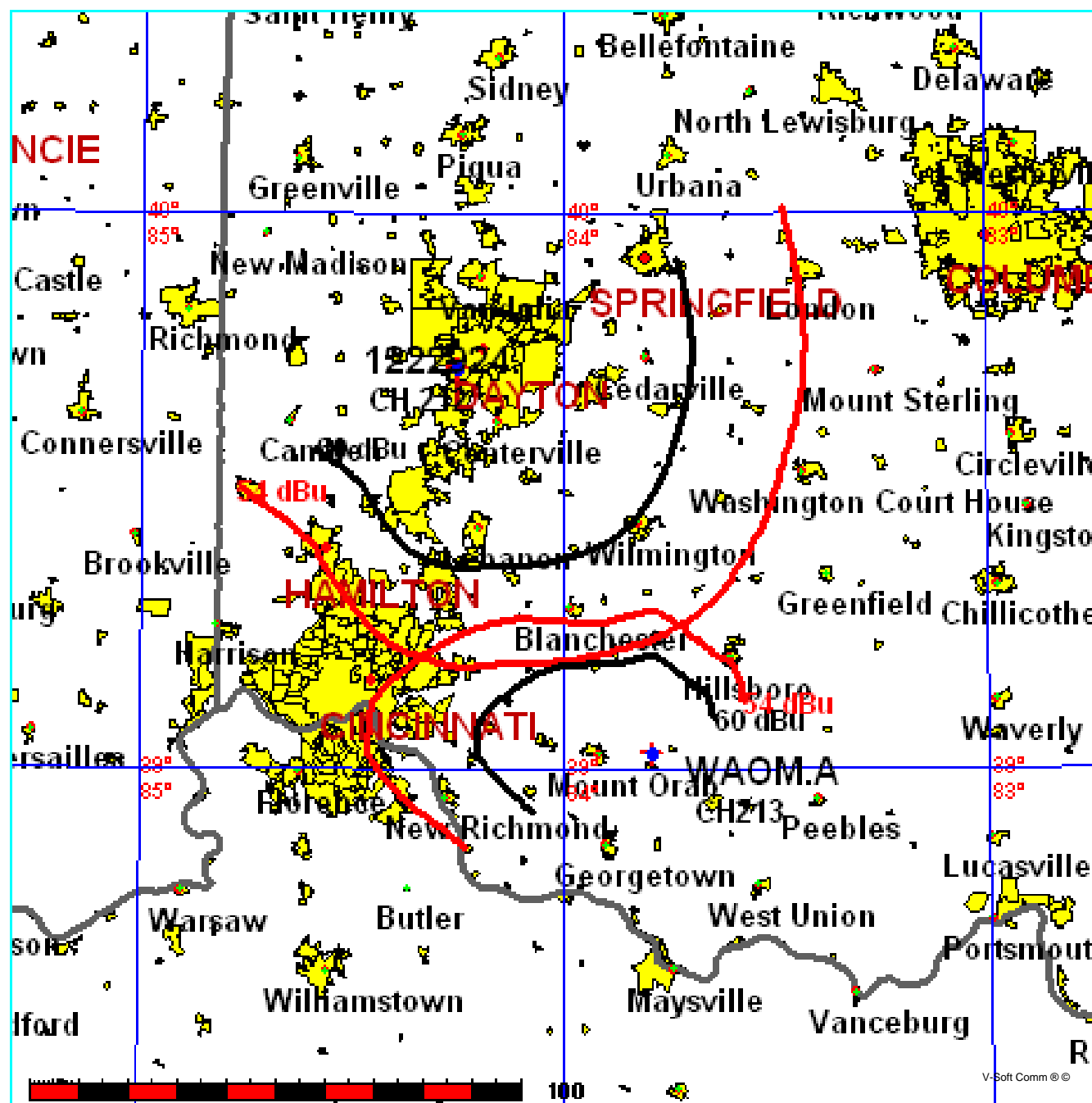
Channel = 212B  
Max ERP = 8.7 kW  
RCAMSL = 556 M  
N. Lat. 39 43 28.0  
W. Lng. 84 15 18.0  
Interfering  
54 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
324.0	005.0000	0037.0	016.7	159.3	004.6391	0283.8	065.6	53.02	
325.0	005.0000	0037.0	016.7	159.0	004.6610	0283.9	065.5	53.07	
326.0	005.0000	0037.0	016.7	158.8	004.6831	0284.0	065.4	53.12	
327.0	005.0000	0037.0	016.7	158.5	004.7054	0284.2	065.4	53.17	
328.0	005.0000	0037.0	016.7	158.3	004.7279	0284.3	065.3	53.21	
329.0	005.0000	0037.0	016.7	158.0	004.7505	0284.5	065.3	53.26	
330.0	005.0000	0037.0	016.7	157.8	004.7732	0284.6	065.2	53.30	
331.0	005.0000	0037.0	016.7	157.5	004.7962	0284.8	065.2	53.34	
332.0	005.0000	0037.0	016.7	157.2	004.8192	0285.0	065.2	53.38	
333.0	005.0000	0037.0	016.7	157.0	004.8424	0285.2	065.1	53.41	
334.0	005.0000	0037.0	016.7	156.7	004.8656	0285.4	065.1	53.45	
335.0	005.0000	0037.0	016.7	156.5	004.8890	0285.6	065.1	53.47	
336.0	005.0000	0036.9	016.7	156.2	004.9124	0285.7	065.1	53.50	
337.0	005.0000	0036.8	016.6	156.0	004.9359	0285.9	065.1	53.51	
338.0	005.0000	0036.6	016.6	155.7	004.9591	0286.1	065.2	53.51	
339.0	005.0000	0036.2	016.5	155.5	004.9820	0286.2	065.3	53.50	
340.0	005.0000	0035.7	016.4	155.2	005.0045	0286.3	065.5	53.48	
341.0	005.0000	0035.4	016.3	155.0	005.0269	0286.4	065.6	53.46	
342.0	005.0000	0035.1	016.2	154.7	005.0490	0286.4	065.7	53.44	
343.0	005.0000	0034.6	016.1	154.5	005.0703	0286.5	065.8	53.41	
344.0	005.0000	0034.0	015.9	154.3	005.0906	0286.5	066.0	53.35	
345.0	005.0000	0033.2	015.7	154.1	005.1101	0286.6	066.3	53.29	
346.0	005.0000	0032.4	015.6	153.9	005.1287	0286.6	066.5	53.22	
347.0	005.0000	0031.6	015.4	153.7	005.1466	0286.6	066.7	53.15	
348.0	005.0000	0030.7	015.2	153.5	005.1636	0286.7	067.0	53.08	
349.0	005.0000	0029.8	015.0	153.3	005.1806	0286.7	067.2	53.01	
350.0	005.0000	0028.8	015.0	153.1	005.2008	0286.8	067.3	53.00	

FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
WCDR-FM's Overlaps (In= 13.88 km, Out= 2.08 km)

WCDR-FM CH 212 B DA  
Lat= 39 43 28.0, Lng= 84 15 18.0  
8.7 kW 290.9 M HAAT, 556 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WAOM-A CH 213 B DA BPED20110727ADN  
Lat= 39 01 48.0, Lng= 83 47 52.0  
35.0 kW 54 M HAAT, 343 M COR  
Prot.= 60 dBu, Intef.= 54 dBu



**WCDR-FM & WAOM**

09-09-2011 Terrain Data

WAOM. A BPED20110825AAA

WCDR-FM

Channel = 213C2  
Max ERP = 35 kW  
RCAMSL = 343 M  
N. Lat. 39 01 48.0  
W. Lng. 83 47 52.0  
Protected  
60 dBu

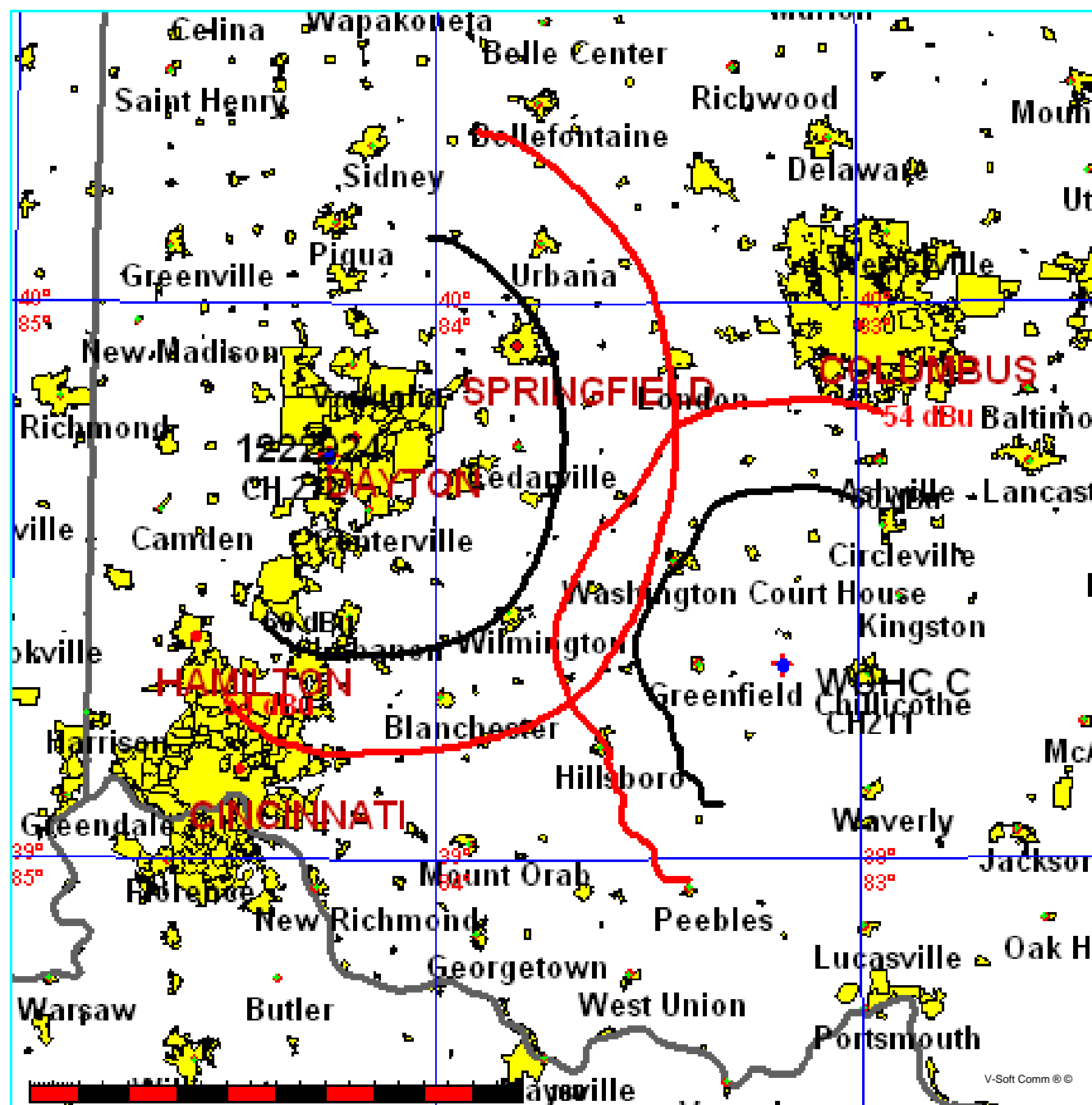
Channel = 212B  
Max ERP = 8.7 kW  
RCAMSL = 556 M  
N. Lat. 39 43 28.0  
W. Lng. 84 15 18.0  
Interfering  
54 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
303.0	012.3534	0069.0	028.0	165.6	004.1441	0280.3	063.8	53.03	
304.0	011.8472	0069.0	027.8	165.1	004.1801	0280.3	063.7	53.12	
305.0	011.3516	0069.0	027.5	164.7	004.2165	0280.3	063.6	53.19	
306.0	010.8665	0069.0	027.2	164.2	004.2531	0280.4	063.5	53.27	
307.0	010.3921	0068.9	027.0	163.7	004.2903	0280.7	063.4	53.34	
308.0	009.9282	0068.9	026.7	163.2	004.3278	0281.1	063.4	53.41	
309.0	009.4749	0068.7	026.4	162.7	004.3658	0281.5	063.4	53.47	
310.0	009.0322	0068.5	026.0	162.2	004.4044	0282.0	063.4	53.51	
311.0	008.6732	0068.2	025.8	161.7	004.4416	0282.4	063.4	53.56	
312.0	008.3214	0067.8	025.5	161.2	004.4789	0282.7	063.4	53.60	
313.0	007.9769	0067.4	025.2	160.7	004.5162	0283.0	063.5	53.62	
314.0	007.6397	0067.0	024.9	160.3	004.5533	0283.3	063.6	53.64	
315.0	007.3097	0066.6	024.5	159.8	004.5925	0283.5	063.7	53.65	
316.0	006.9871	0066.1	024.2	159.3	004.6341	0283.7	063.8	53.65	
317.0	006.6717	0065.5	023.9	158.8	004.6756	0284.0	063.9	53.64	
318.0	006.3636	0064.9	023.5	158.4	004.7166	0284.2	064.1	53.63	
319.0	006.0628	0064.3	023.2	157.9	004.7571	0284.5	064.3	53.60	
320.0	005.7693	0063.6	022.8	157.5	004.7970	0284.8	064.5	53.57	
321.0	005.5916	0062.8	022.5	157.1	004.8339	0285.1	064.7	53.56	
322.0	005.4167	0062.1	022.3	156.7	004.8701	0285.4	064.9	53.54	
323.0	005.2446	0061.6	022.0	156.3	004.9053	0285.7	065.0	53.53	
324.0	005.0753	0061.1	021.8	155.9	004.9395	0285.9	065.2	53.52	
325.0	004.9088	0060.7	021.5	155.6	004.9731	0286.1	065.3	53.50	
326.0	004.7450	0060.4	021.3	155.2	005.0061	0286.3	065.5	53.48	
327.0	004.5840	0060.1	021.1	154.9	005.0383	0286.4	065.6	53.45	
328.0	004.4258	0059.9	020.9	154.5	005.0698	0286.5	065.8	53.43	
329.0	004.2704	0059.8	020.7	154.2	005.1008	0286.6	065.9	53.39	
330.0	004.1177	0059.6	020.5	153.9	005.1313	0286.6	066.1	53.36	
331.0	003.9867	0059.4	020.3	153.5	005.1610	0286.7	066.3	53.33	
332.0	003.8578	0059.4	020.1	153.2	005.1900	0286.7	066.4	53.30	
333.0	003.7311	0059.5	020.0	152.9	005.2186	0286.8	066.6	53.27	
334.0	003.6064	0059.5	019.8	152.6	005.2467	0286.9	066.8	53.24	
335.0	003.4839	0059.5	019.6	152.3	005.2742	0287.0	066.9	53.20	
336.0	003.3635	0059.5	019.5	152.1	005.3011	0287.1	067.1	53.16	
337.0	003.2452	0059.5	019.3	151.8	005.3274	0287.1	067.3	53.11	
338.0	003.1290	0059.6	019.1	151.5	005.3532	0287.2	067.5	53.06	
339.0	003.0150	0059.7	019.0	151.2	005.3784	0287.3	067.7	53.01	

FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
 WCDR-FM's Overlaps (In= 8.75 km, Out= 2.37 km)

WCDR-FM CH 212 B DA  
 Lat= 39 43 28.0, Lng= 84 15 18.0  
 8.7 kW 290.9 M HAAT, 556 M COR  
 Prot.= 60 dBu, Intef.= 54 dBu

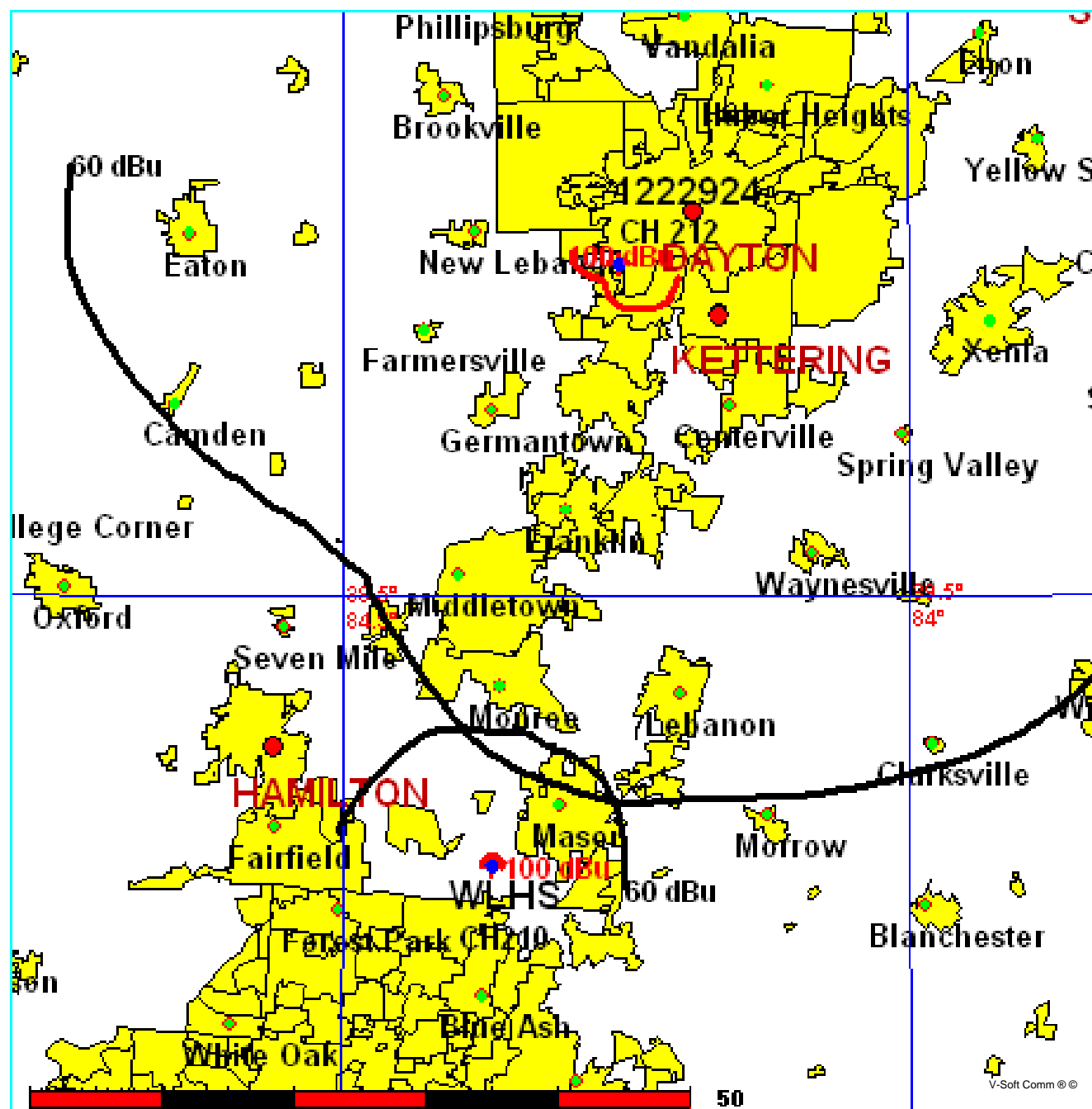
WOHC-C CH 211 B1 BPED20091015AAO  
 Lat= 39 20 45.0, Lng= 83 11 15.0  
 7.0 kW 120 M HAAT, 392 M COR  
 Prot.= 60 dBu, Intef.= 54 dBu



FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
 WCDR-FM's Overlaps (In= 6.82 km, Out= 32.97 km)

WCDR-FM CH 212 B DA  
 Lat= 39 43 28.0, Lng= 84 15 18.0  
 8.7 kW 290.9 M HAAT, 556 M COR  
 Prot.= 60 dBu, Intef.= 100 dBu

WLHS CH 210 A BLED19820521AW  
 Lat= 39 19 10.0, Lng= 84 22 04.0  
 0.1 kW 104 M HAAT, 338 M COR  
 Prot.= 60 dBu, Intef.= 100 dBu



FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
 WCDR-FM's Overlaps (In= 21.36 km, Out= 9.6 km)

WCDR-FM CH 212 B DA  
 Lat= 39 43 28.0, Lng= 84 15 18.0  
 8.7 kW 290.9 M HAAT, 556 M COR  
 Prot.= 60 dBu, Intef.= 54 dBu

WOHC CH 211 A BLED19920512KB  
 Lat= 39 20 45.0, Lng= 83 11 15.0  
 2.0 kW 120 M HAAT, 392 M COR  
 Prot.= 60 dBu, Intef.= 54 dBu

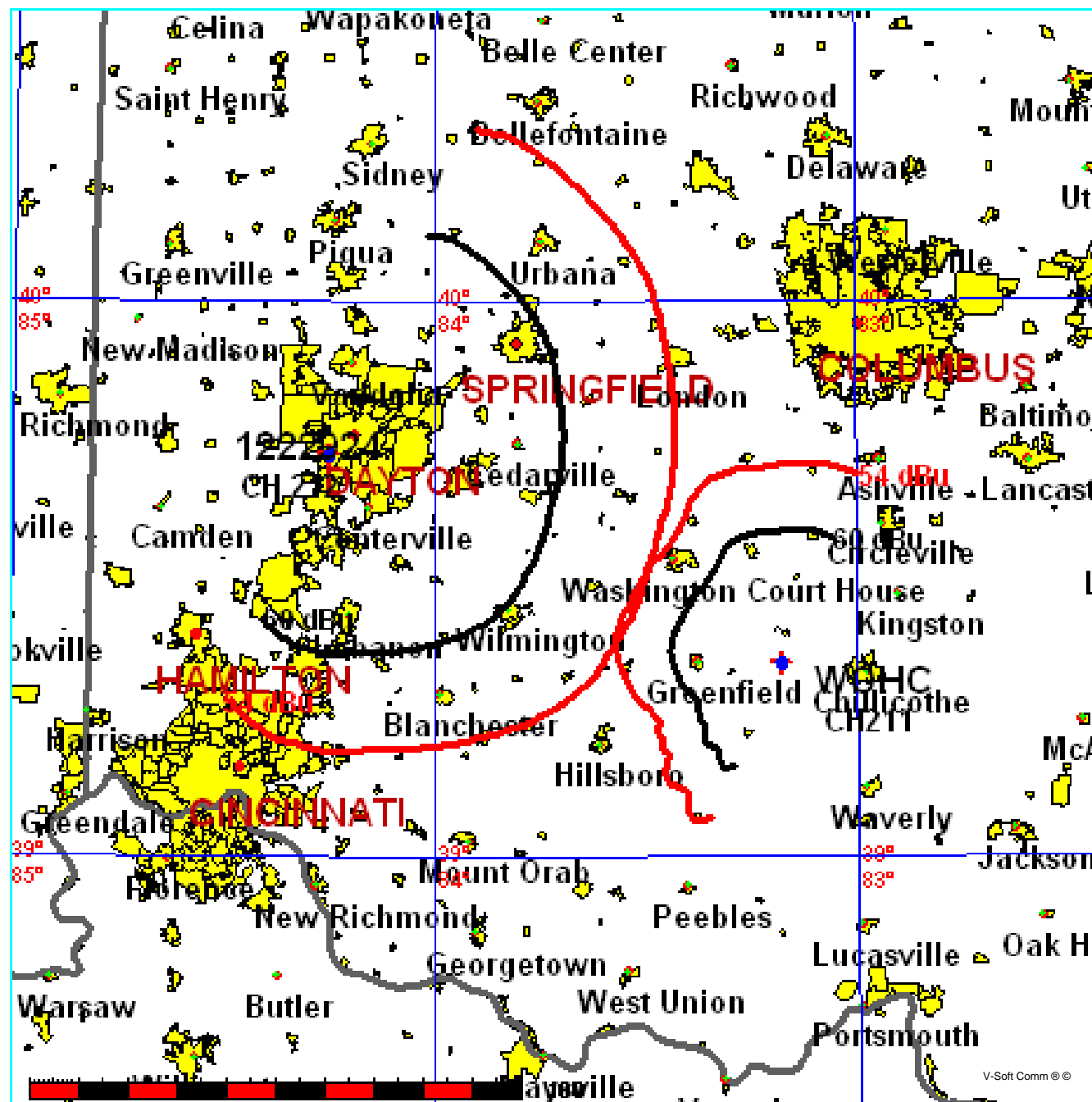


Exhibit 18 - K

FMCommander Single Allocation Study - 09-08-2011 - NGDC 30 SEC  
WCDR-FM's Overlaps (In= 13.82 km, Out= 18.17 km)

WCDR-FM CH 212 B DA  
Lat= 39 43 28.0, Lng= 84 15 18.0  
8.7 kW 290.9 M HAAT, 556 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

WDPG CH 210 B DA BLED19930920KA  
Lat= 40 08 49.0, Lng= 84 36 36.0  
50.0 kW 123 M HAAT, 436 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

