

Channel Study

REFERENCE		CH# 214D - 90.7 MHz, Pwr= 0.01 kW, HAAT= 207.0 M, COR= 525 M						DISPLAY DATES			
41 03 53.0 N.		Average Protected F(50-50)= 8.4 km						DATA 12-27-11			
81 34 59.0 W.		Omni-directional						SEARCH 12-27-11			
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*
214A Norwalk	WNRK	LIC	DCX OH	281.1 100.5	68.9 BLED20040608ABM	41 10 50.0 82 23 21.0	4.000 124	86.0 399	29.4 Kent State University	-25.4*<	11.5
217A Akron	WAPS	LIC	DEX OH	0.0 0.0	0.0 BLED20080702ADM	41 03 53.0 81 34 59.0	2.000 106	1.6 424	19.2 Board Of Education, Akron	-10.8*<	-19.4*<
214B1 Struthers	WKTL	LIC	DCN OH	90.7 271.3	82.7 BLED1805	41 03 06.0 80 35 56.0	13.500 7	86.7 339	19.6 Board Of Education Struthe	-12.3*<	35.4
06Z Stevenson	CIII-TV-2<	AP	HN ON	326.2 145.6	133.8 BPFS20041023AAN	42 03 41.0 82 29 05.0	3.000 300	4.3 484	25.6	29.9R	103.9M
06 Stevenson	VACANT<	GR	HN ON	326.2 145.6	133.8 BPFS20081204AET	42 03 41.0 82 29 05.0	0.600 300	0.2 478	53.5	0.0R	133.8M
212B Cleveland	WCPN	LIC	DCN OH	342.3 162.3	35.8 BLED19961025KA	41 22 18.0 81 42 48.0	47.000 155	3.5 425	34.2 Ideastream	23.8	1.4
215D Hinckley	W215BS	LIC	C OH	334.2 154.1	22.2 BLFT20070112AHV	41 14 39.0 81 41 54.0	0.009 204	11.6 520	8.2 Educational Media Foundati	2.0	1.9
215A Wooster	WCWS-FM	LIC	C OH	222.6 42.4	35.7 BMLED20000505AAF	40 49 41.0 81 52 14.0	1.050 68	22.8 393	15.3 The College Of Wooster	4.8	9.0
06ZT Cleveland	WXOX-LP	CPM	N OH	344.3 164.3	36.7 BMPTVL20110718ACW	41 22 58.0 81 42 07.0	3.000 311	4.3 506	25.6 Venture Technologies Group	29.9R	6.8M
213B1 Millersburg	WVML	CP	DCX OH	194.6 14.5	53.1 BPED20091027AEN	40 36 08.0 81 44 32.0	15.000 112	34.5 450	23.1 The Moody Bible Institute	9.9	17.9
213A Millersburg	WVML	LIC	DCX OH	194.6 14.5	53.1 BLED20040924ADJ	40 36 08.0 81 44 32.0	4.800 112	32.7 450	22.0 The Moody Bible Institute	11.7	18.9
06 D Pittsburgh	1421321	AP	D N PA	115.2 296.2	146.4 BDCCDVL20110328ABB	40 29 39.0 80 01 13.0	0.300 242	4.3 490	25.6 Venture Technologies Group	29.9R	116.5M
06 D Pittsburgh	WBPA-LD	AP	D N PA	115.2 296.2	146.4 BMPDVL20110325ACT	40 29 39.0 80 01 13.0	0.300 242	0.2 491	53.5 Venture Technologies Group	0.0R	146.4M
06-T Pittsburgh	WBPA-LP	AP	N PA	115.2 296.2	146.4 BDISTVL20090122ABF	40 29 39.0 80 01 13.0	3.000 242	4.3 491	25.6 Venture Technologies Group	29.9R	116.5M
06 D Pittsburgh	WBPA-LD	CPM	D N PA	115.2 296.2	146.4 BMPDVL20090921ADB	40 29 39.0 80 01 13.0	0.300 242	4.3 491	25.6 Venture Technologies Group	29.9R	116.5M
216A Alliance	WRMU-FM	LIC	HN OH	114.1 294.4	43.4 BMLED19810611AA	40 54 16.0 81 06 45.0	2.800 58	1.9 411	19.3 Mount Union College	33.3	23.9
214A Mansfield	WVMC-FM	CP	DCX OH	244.8 64.2	88.5 BPED20100108ABM	40 43 21.0 82 31 52.0	0.450 83	51.0 467	15.1 Mansfield Christian School	29.5	46.5
215A Carrollton	WJDD	LIC	HX OH	148.2 328.4	64.5 BLED20110606AAS	40 34 15.0 81 10 48.0	0.270 97	19.8 432	13.2 Denny And Marge Hazen Mini	36.4	39.5
211A Bolivar	WJEE	LIC	DHX OH	156.7 336.9	49.2 BLED20111202AFP	40 39 28.0 81 21 08.0	2.300 -10	1.6 309	12.4 Denny And Marge Hazen Mini	39.0	36.6
216B1 Cleveland	WRUW-FM	LIC	DC OH	359.9 179.9	50.6 BLED20010406AAQ	41 31 14.0 81 35 03.0	15.000 89	1.6 320	12.8 Case Western Reserve Unive	39.8	37.6
215B1 Jefferson	WCVJ	LIC	C OH	47.2 227.8	93.2 BLED19980325KE	41 37 50.0 80 45 36.0	1.850 196	46.7 485	30.9 Educational Media Foundati	37.9	50.1
214A Mansfield	WVMC-FM	LIC	VX OH	244.8 64.2	88.5 BLED20021021AAJ	40 43 21.0 82 31 52.0	0.170 75	40.9 459	11.9 Mansfield Christian School	39.6	49.7
214B1 WDWC	WDWC	CP	DCX	153.4	121.9	40 04 56.0	6.300	72.3	23.0	41.2	70.6

Martins Ferry		OH	333.8	BMPED20090824AMC	80	56	24.0	113	453	St. Paul Center For Biblic
214B1 WDWC	CP	DVX	153.4	121.9	40	04	56.0	6.300	72.3	23.0 41.2 70.6
Martins Ferry		OH	333.8	BNPED20071022BDY	80	56	24.0	113	453	St. Paul Center For Biblic
216D W216AH	LIC	C	248.4	63.1	40	51	14.0	0.250	1.1	7.1 54.0 55.8
Ashland		OH	67.9	BLFT20031020ABX	82	16	43.0	-1	342	Mansfield Christian School
216D W216AH	CP	C	248.4	63.1	40	51	14.0	0.055	0.5	6.1 54.6 56.8
Ashland		OH	67.9	BPFT20090812ABB	82	16	43.0	33	376	Mansfield Christian School
216A WOSE	LIC	DCN	202.0	86.6	40	20	30.0	6.000	2.6	26.9 75.7 59.4
Coshocton		OH	21.7	BLED19960311KH	81	57	56.0	98	388	The Ohio State University
214D NEW«	OPE	VN	322.1	127.3	41	57	50.0	0.050	15.9	7.0 64.5R 62.8M
Pt. Pelee National		ON	141.5		82	31	45.0	29	204	
215A WSHB	CP	CX	262.1	91.9	40	56	45.0	0.200	16.6	11.5 67.5 69.3
Willard		OH	81.4	BPED20110720ABU	82	39	49.0	106	427	Mansfield Christian School

KM

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in

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

Educational Media Foundation

FMCommander Single Allocation Study - 12-27-2011 - NGDC 30 SEC
W219BT's Overlaps (In= -25.4 km, Out= 11.55 km)

W219BT CH 214 D

Lat= 41 03 53.0, Lng= 81 34 59.0

0.01 kW 207 M HAAT, 525 M COR

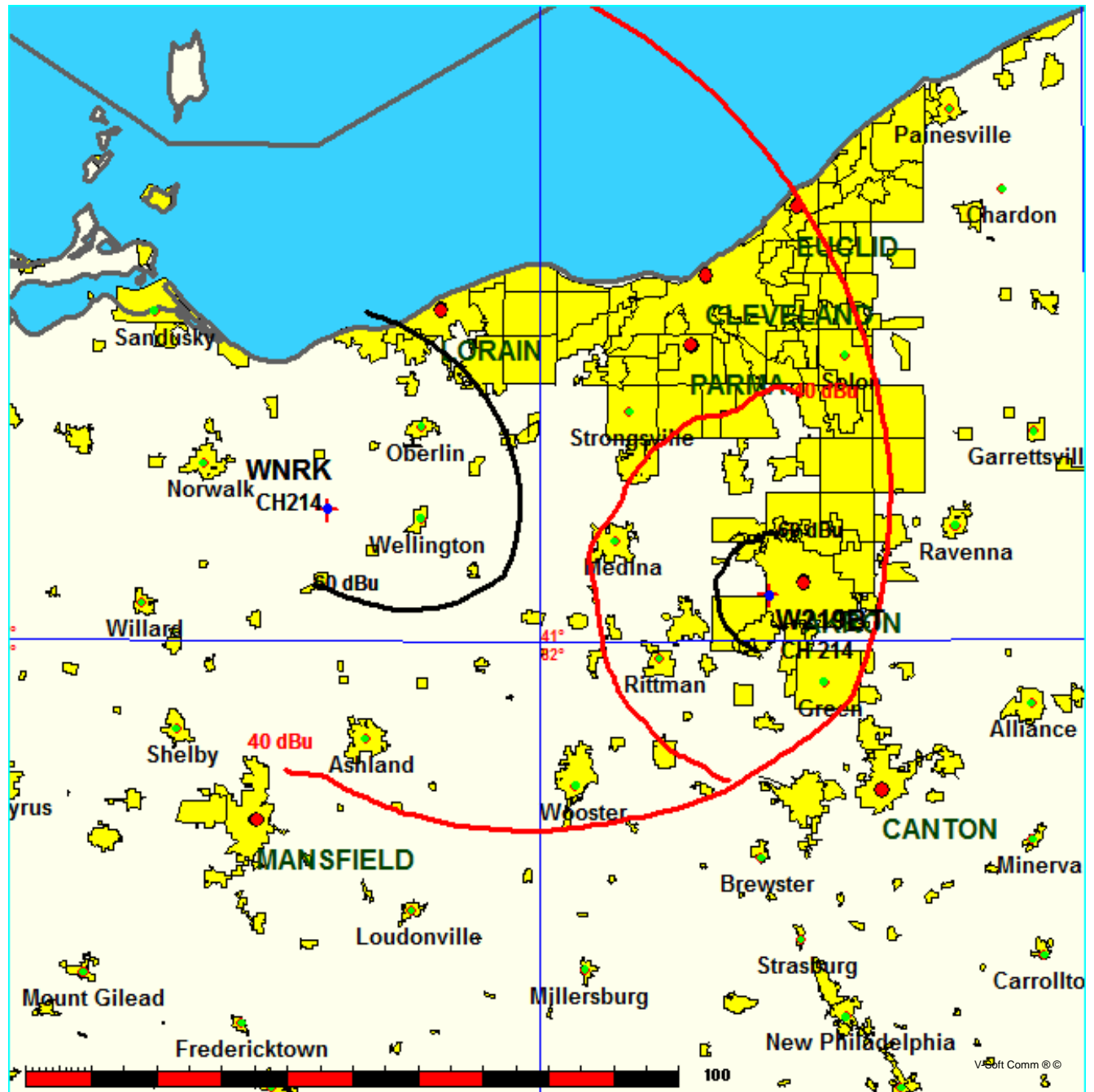
Prot.= 60 dBu, Intef.= 40 dBu

WNRK CH 214 A DA BLED20040608ABM

Lat= 41 10 50.0, Lng= 82 23 21.0

4.0 kW 124 M HAAT, 399 M COR

Prot.= 60 dBu, Intef.= 40 dBu



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FMCommander Single Allocation Study - 12-27-2011 - NGDC 30 SEC
W219BT's Overlaps (In= -12.26 km, Out= 35.36 km)

W219BT CH 214 D

Lat= 41 03 53.0, Lng= 81 34 59.0

0.01 kW 207 M HAAT, 525 M COR

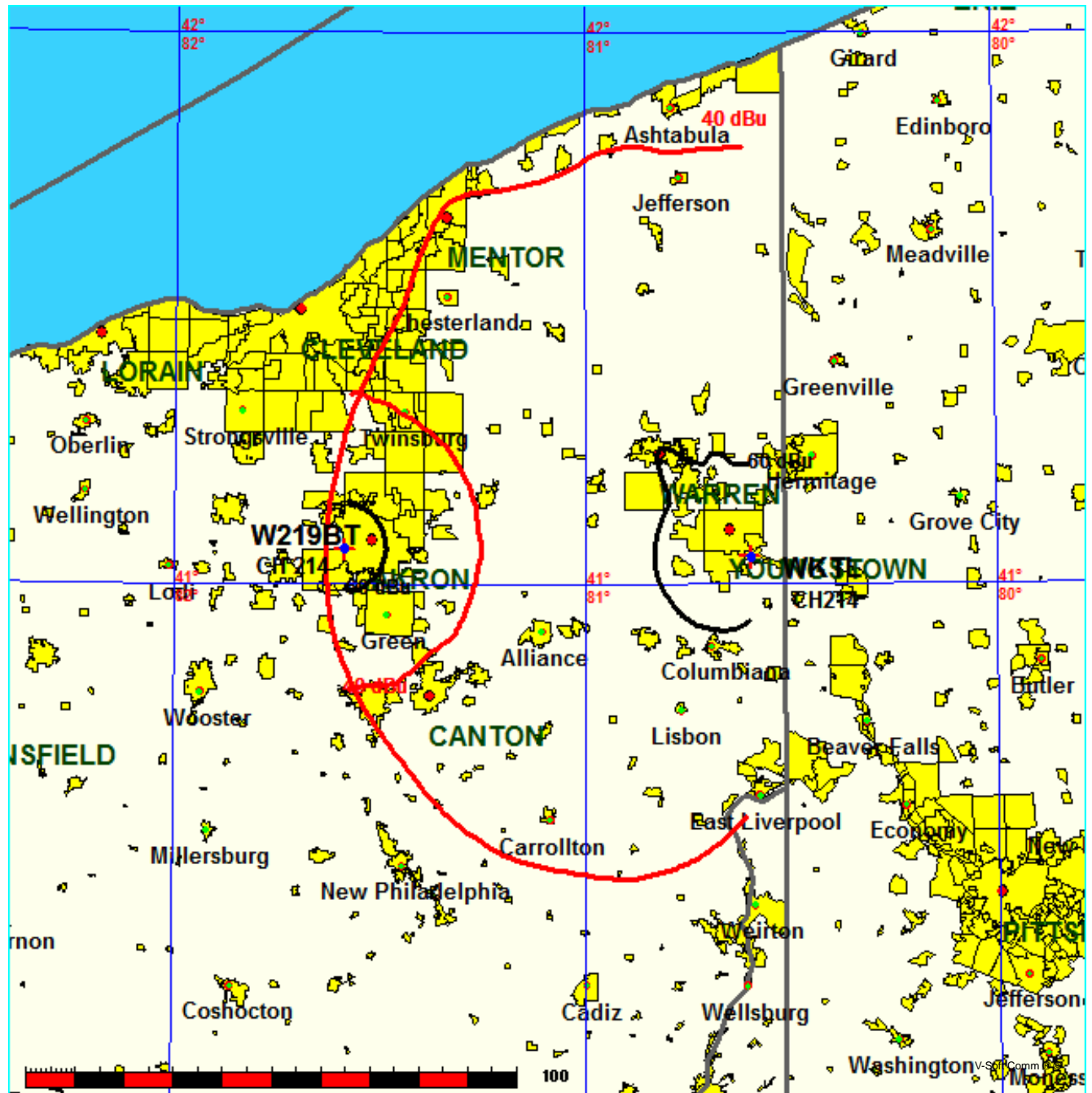
Prot.= 60 dBu, Intef.= 40 dBu

WKTL CH 214 B1 DA BLED1805

Lat= 41 03 06.0, Lng= 80 35 56.0

13.5 kW 7 M HAAT, 339 M COR

Prot.= 60 dBu, Intef.= 40 dBu



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FMCommander Single Allocation Study - 12-27-2011 - NGDC 30 SEC
W219BT's Overlaps (In= 23.79 km, Out= 1.36 km)

W219BT CH 214 D

Lat= 41 03 53.0, Lng= 81 34 59.0

0.01 kW 207 M HAAT, 525 M COR

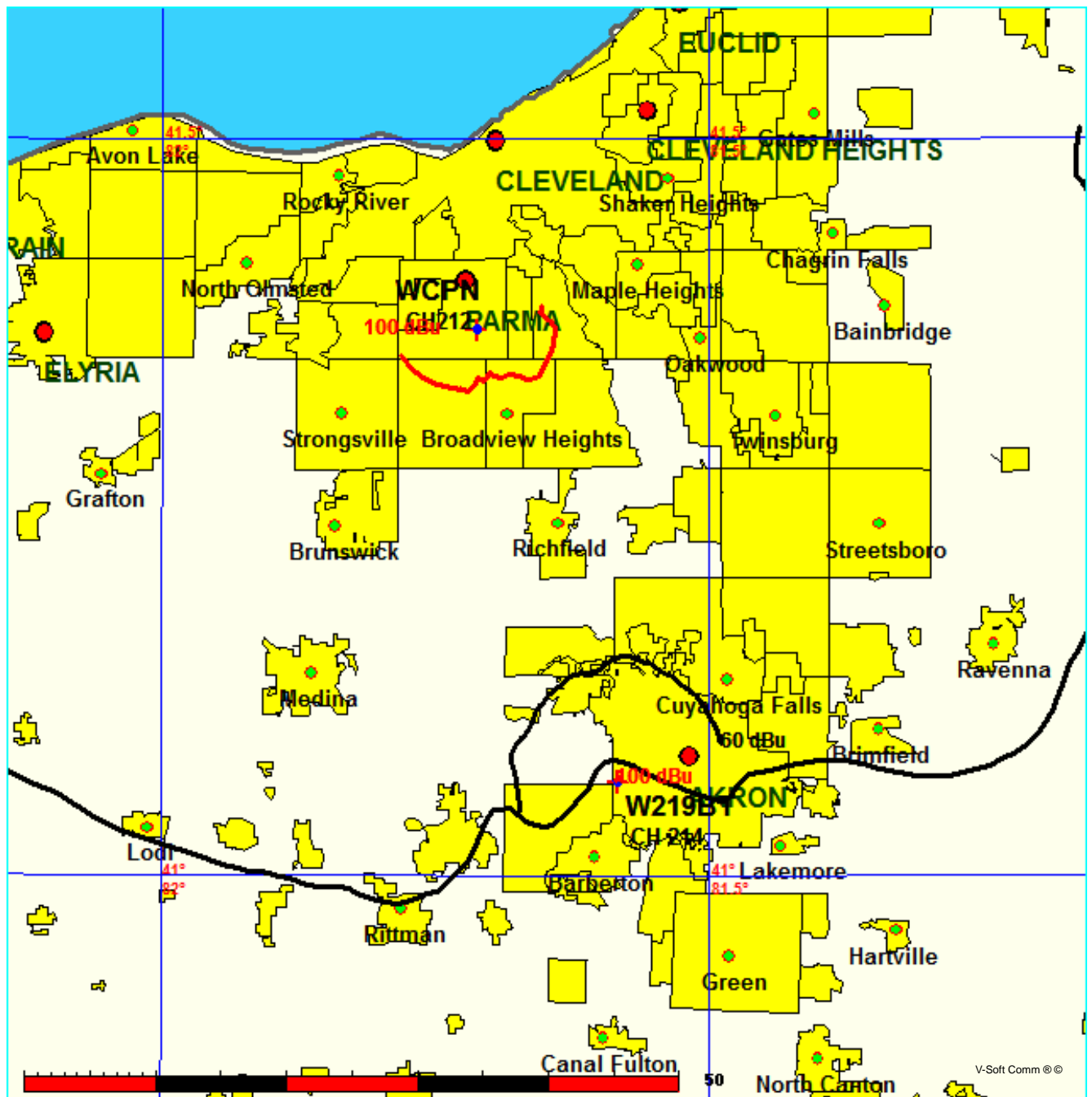
Prot.= 60 dBu, Intef.= 100 dBu

WCPN CH 212 B DA BLED19961025KA

Lat= 41 22 18.0, Lng= 81 42 48.0

47.0 kW 155 M HAAT, 425 M COR

Prot.= 60 dBu, Intef.= 100 dBu



FMCommander Single Allocation Study - 12-27-2011 - NGDC 30 SEC
W219BT's Overlaps (In= 1.97 km, Out= 1.85 km)

W219BT CH 214 D

Lat= 41 03 53.0, Lng= 81 34 59.0

0.01 kW 207 M HAAT, 525 M COR

Prot.= 60 dBu, Intef.= 54 dBu

W215BS CH 215 D BLFT20070112AHV

Lat= 41 14 39.0, Lng= 81 41 54.0

0.009 kW 203.8 M HAAT, 520 M COR

Prot.= 60 dBu, Intef.= 54 dBu

