

Channel Study

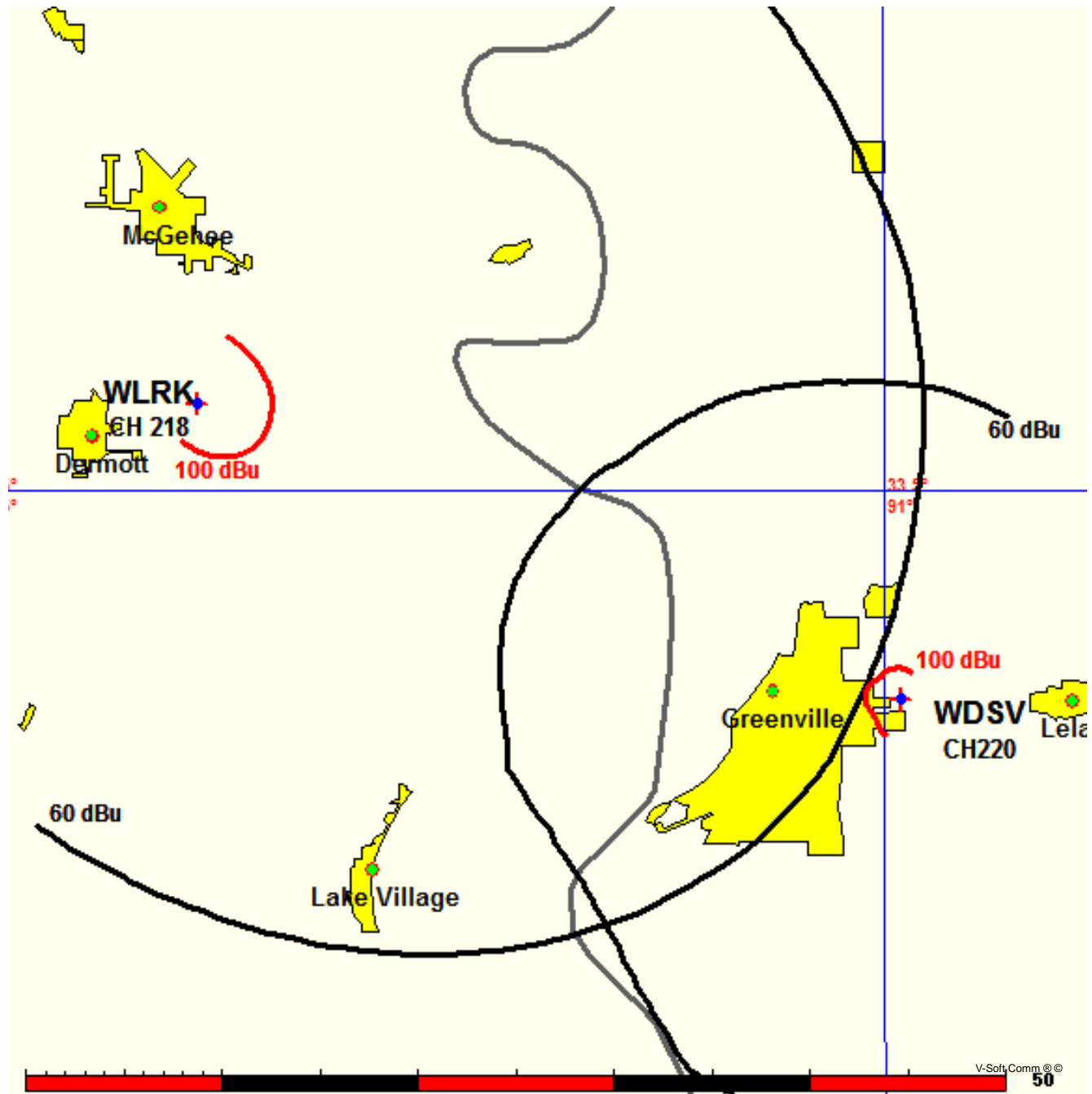
REFERENCE		CH# 218C2- 91.5 MHz, Pwr= 19.5 kW DA, HAAT= 98.0 M, COR= 136 M								DISPLAY DATES	
33 32 25.0 N.		Average Protected F(50-50)= 36.8 km								DATA 04-04-15	
91 22 39.0 W.		Standard Directional								SEARCH 04-07-15	
CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
218C1	WLRK!	APP	ZVX	0.0	0.00	33 32 25.0	61.000	134.2	45.5	-169.4	-149.9
Greenville			MS	0.0	BPED20130801AOC	91 22 39.0	98	136	Educational Media Foundati		
218C2	WLRK!	USR	Z	0.0	0.00	33 32 25.0	50.000	129.7	43.8	-164.9	-148.2
Greenville			MS	0.0		91 22 39.0	98	136	EMF		
218C2	WLRK!	LIC	DVX	0.0	0.00	33 32 25.0	50.000	23.0	6.9	-58.2	-111.3
Greenville			MS	0.0	BLD20060302AAH	91 22 39.0	98	136	Educational Media Foundati		
218C2	WLRK!	LIC	ZCN	0.0	0.00	33 32 25.0	50.000	0.0	0.0	-35.2	-104.4
Greenville				0.0	BLD19880711KC	91 22 39.0	98	136	Rust College, Inc.		
220A	WDSV	LIC	ZEX	112.6	38.84	33 24 21.0	1.500	1.7	20.2	0.2	14.9
Greenville			MS	292.8	BLD20110311ACF	90 59 30.0	105	141	Delta Foundation, Inc.		
217C2	WCQC	CP	DEX	45.0	97.14	34 09 22.0	50.000	61.5	37.4	0.2	5.0
Clarksdale			MS	225.4	BNPED20071022AHR	90 37 52.0	62	108	Quitman County Development		
215C1	WMAO-FM	LIC	CX	103.0	79.76	33 22 34.0	100.000	9.6	70.1	33.2	5.9
Greenwood			MS	283.5	BMLED20090522AAS	90 32 32.0	268	302	Mississippi Authority For		
218C2	KGRM	LIC	CN	228.1	169.53	32 30 56.0	50.000	139.3	53.6	8.0	45.4
Grambling			LA	47.4	BLD19901005KA	92 43 27.0	150	229	Grambling College Of Louis		
219A	WVSD	LIC	CN	91.2	96.04	33 31 05.0	3.000	35.3	23.4	23.8	15.6
Itta Bena			MS	271.8	BLD19900507KD	90 20 38.0	89	124	Mississippi Valley State U		
221A	WKXY<	LIC	NCX	58.5	72.72	33 52 49.0	6.000	2.8	28.3	54.5R	18.2M
Merigold			MS	238.8	BLH20080915AAK	90 42 24.0	100	140	Delta Radio Llc		
272A	WIIQ<	LIC	CX	114.9	37.67	33 23 51.0	1.650	0.0	0.0	14.5R	23.2M
Leland			MS	295.1	BLH20070525ADT	91 00 35.0	136	171	Delta Radio Network, Llc		
218C3	WAVI	LIC	DVN	62.6	161.65	34 11 57.0	8.130	79.7	27.5	46.3	29.8
Oxford			MS	243.4	BLD20020207AAC	89 49 09.0	175	269	American Family Associatio		
217C	WMPN-FM	LIC	CX	148.6	175.05	32 11 29.0	45.000	109.0	74.1	33.9	51.1
Jackson			MS	329.1	BMLED20090522AAW	90 24 22.0	423	514	Mississippi Authority For		
272A	WIIQ<	APP	CX	98.9	50.40	33 28 10.0	2.350	0.0	0.0	14.5R	35.9M
Leland			MS	279.2	BPH20150302AAV	90 50 30.0	162	197	Delta Radio Network, Llc		
272A	WIIQ<	RSV-A		98.9	50.40	33 28 10.0	6.000	0.0	0.0	14.5R	35.9M
Leland			MS	279.2		90 50 30.0	100	133	Delta Radio Network, Llc		
219C1	KBDO	LIC	ZVN	348.4	165.65	35 00 08.0	56.000	87.0	58.9	43.4	51.9
Des Arc			AR	168.2	BLD19990910AAI	91 44 41.0	208	272	American Family Associatio		
218C3	KALR	LIC	CX	309.2	192.85	34 37 31.0	4.500	91.4	33.0	65.3	53.6
Hot Springs			AR	128.3	BLD20071005ADS	93 00 37.0	148	372	Educational Media Foundati		
218A	KSIP	LIC	DCX	15.5	188.92	35 10 47.0	5.500	74.8	24.5	78.3	59.8
Forrest City			AR	195.8	BLD20130327AOC	90 49 15.0	104	180	Speak Onit Radio, Inc.		
220C3	KAXV	LIC	C	221.3	105.75	32 49 22.0	12.000	4.0	39.7	79.5	64.0
Bastrop			LA	40.9	BLD20001120AAG	92 07 28.0	139	168	American Family Associatio		

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= - Zone 2, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
< = Station meets FCC minimum distance spacing for its class.
< = Contour Overlap

FMCommander Single Allocation Study - 04-07-2015 - NGDC 30 SEC
WLRK's Overlaps (In= 0.21 km, Out= 14.89 km)

WLRK CH 218 C2 DA
Lat= 33 32 25.0, Lng= 91 22 39.0
19.5 kW 98 M HAAT, 136 M COR
Prot.= 60 dBu, Intef.= 100 dBu

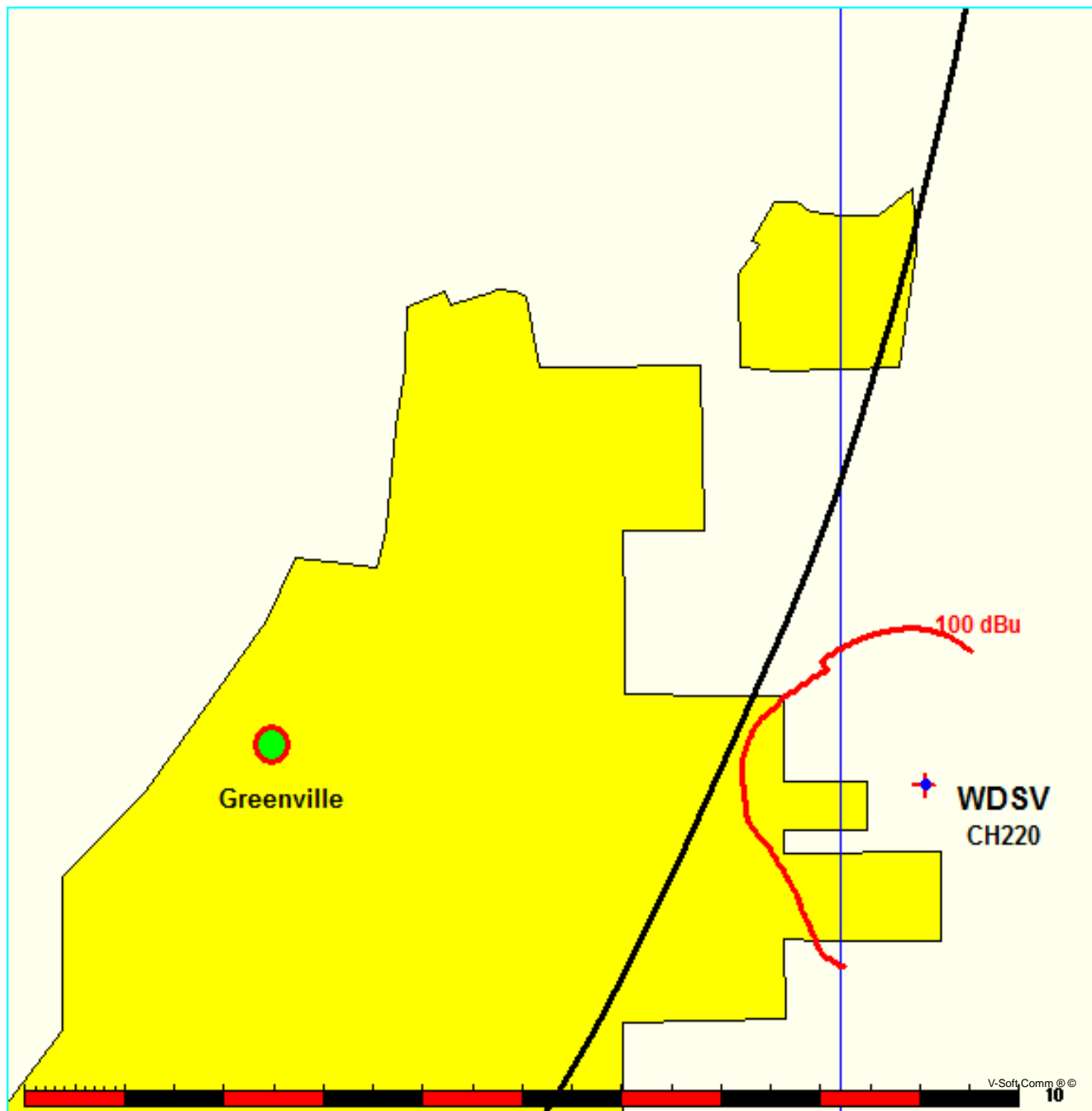
WDSV CH 220 A 73.215 Z BLED20110311ACF
Lat= 33 24 21.0, Lng= 90 59 30.0
1.5 kW 105 M HAAT, 141 M COR
Prot.= 60 dBu, Intef.= 100 dBu



FMCommander Single Allocation Study - 04-07-2015 - NGDC 30 SEC
WLRK's Overlaps (In= 0.21 km, Out= 14.89 km)

WLRK CH 218 C2 DA
Lat= 33 32 25.0, Lng= 91 22 39.0
19.5 kW 98 M HAAT, 136 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WDSV CH 220 A 73.215 Z BLED20110311ACF
Lat= 33 24 21.0, Lng= 90 59 30.0
1.5 kW 105 M HAAT, 141 M COR
Prot.= 60 dBu, Intef.= 100 dBu



WLRK.P vs. WDSV

EMF
04-07-2015 Terrain Data: NGDC 30 SEC FMOver Analysis

WLRK WDSV BLED20110311ACF

Channel = 218C2
Max ERP = 19.5 kW
RCAMSL = 136 M
N. Lat. 33 32 25.0
W. Lng. 91 22 39.0
Protected
60 dBu

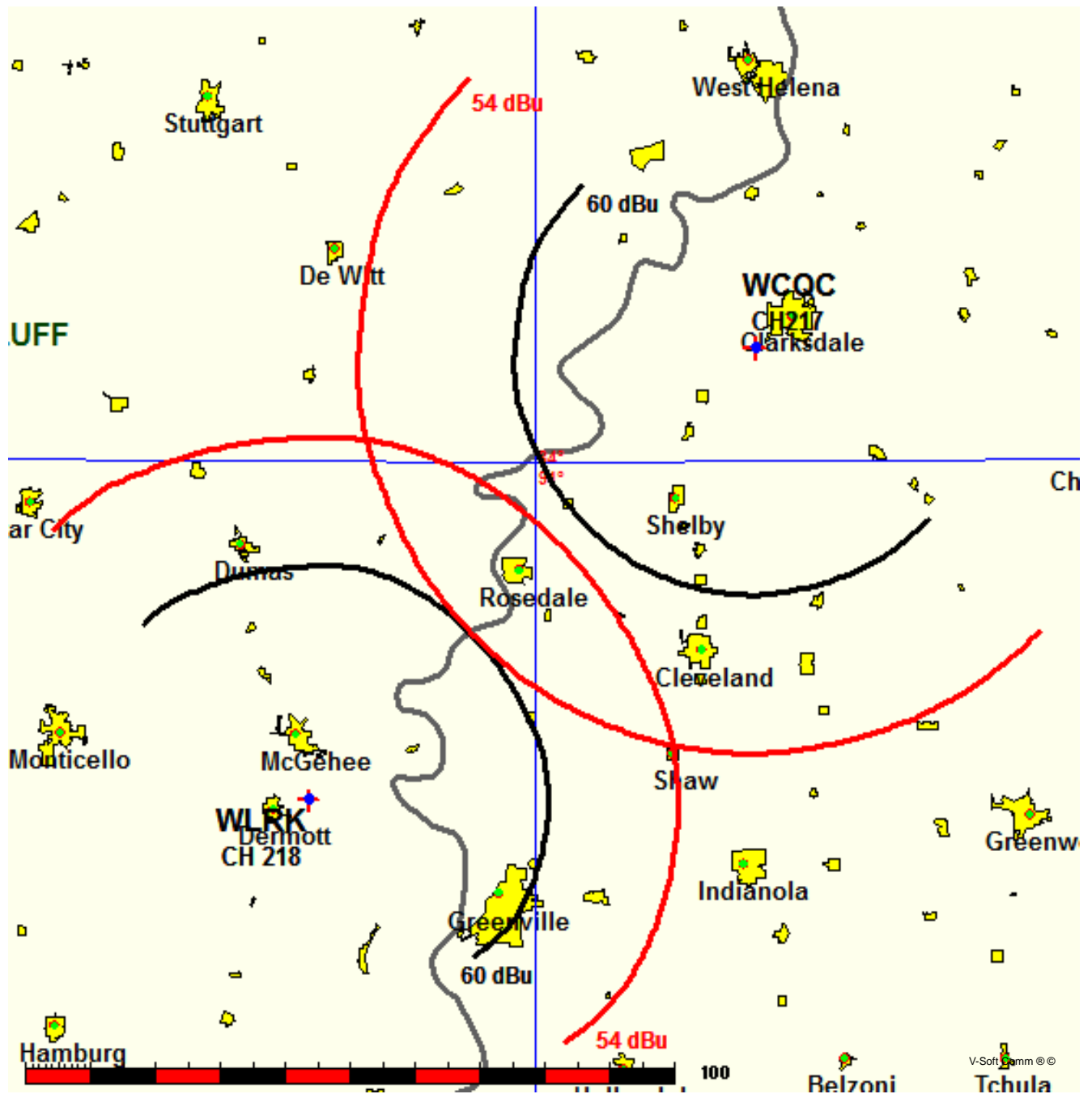
Channel = 220A
Max ERP = 1.5 kW
RCAMSL = 141 M
N. Lat. 33 24 21.0
W. Lng. 90 59 30.0
Interfering
100 dBu

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)
102.0	019.5000	0099.0	036.9	002.8	000.5147	0104.2	007.2	73.76	
103.0	019.5000	0099.0	036.9	001.8	000.5173	0104.1	006.6	75.46	
104.0	019.5000	0099.0	036.9	000.6	000.5207	0104.0	005.9	77.28	
105.0	019.5000	0099.0	036.9	358.9	000.5262	0104.0	005.3	79.23	
106.0	019.5000	0099.0	036.9	356.6	000.5343	0104.0	004.7	81.27	
107.0	019.5000	0099.0	036.9	353.5	000.5454	0104.0	004.1	83.55	
108.0	019.5000	0099.0	036.9	349.2	000.5641	0104.0	003.5	86.10	
109.0	019.5000	0099.0	036.9	343.1	000.6099	0104.0	003.0	89.00	
110.0	019.5000	0099.0	036.9	334.2	000.6913	0104.0	002.5	92.36	
111.0	019.4221	0099.0	036.9	321.0	000.8127	0104.0	002.1	95.46	
112.0	019.3832	0099.0	036.9	303.7	000.9634	0110.2	001.9	97.94	
113.0	019.3443	0099.0	036.9	284.4	001.2454	0108.6	001.9	98.98	
114.0	019.2667	0099.0	036.9	267.3	001.1773	0108.5	002.1	97.18	
115.0	019.2280	0099.2	036.9	254.0	001.0042	0109.5	002.5	94.21	
116.0	019.1506	0099.4	036.9	244.7	000.9003	0107.7	003.0	90.96	
117.0	019.0734	0099.5	036.9	238.3	000.8954	0106.2	003.5	88.35	
118.0	019.0348	0099.7	036.9	233.6	000.9117	0106.4	004.1	86.08	
119.0	018.9963	0099.7	036.9	230.4	000.9229	0107.2	004.7	84.01	
120.0	018.9194	0099.7	036.8	228.3	000.9568	0107.3	005.3	82.19	
121.0	018.6896	0099.7	036.7	227.3	000.9767	0107.6	005.9	80.34	
122.0	018.4233	0099.8	036.6	226.6	000.9896	0107.8	006.6	78.58	
123.0	018.1589	0099.9	036.5	226.2	000.9978	0107.9	007.2	76.91	
124.0	017.9338	0099.8	036.4	225.9	001.0030	0107.9	007.9	75.40	
125.0	017.6729	0099.8	036.3	225.9	001.0036	0107.9	008.5	74.07	
126.0	017.4509	0099.8	036.2	225.7	001.0061	0108.0	009.1	72.83	
127.0	017.2302	0099.9	036.1	225.7	001.0079	0108.0	009.8	71.65	
128.0	016.9745	0099.9	036.0	225.8	001.0049	0107.9	010.4	70.51	
129.0	016.7569	0099.8	035.9	226.0	001.0006	0107.9	011.0	69.41	
130.0	016.5048	0099.6	035.7	226.4	000.9926	0107.8	011.7	68.35	
131.0	016.1480	0099.4	035.5	227.1	000.9791	0107.6	012.3	67.32	
132.0	015.8301	0099.2	035.3	227.7	000.9679	0107.4	013.0	66.36	
133.0	015.4807	0099.0	035.1	228.3	000.9564	0107.3	013.6	65.46	
134.0	015.1695	0099.0	035.0	228.8	000.9474	0107.2	014.2	64.65	
135.0	014.8615	0099.0	034.8	229.2	000.9387	0107.2	014.8	63.90	
136.0	014.5230	0099.0	034.6	229.8	000.9286	0107.2	015.5	63.42	
137.0	014.2217	0099.0	034.5	230.2	000.9235	0107.2	016.1	62.88	
138.0	013.8906	0099.0	034.3	230.8	000.9215	0107.3	016.7	62.37	
139.0	013.5959	0099.0	034.1	231.3	000.9198	0107.2	017.3	61.86	
140.0	013.2722	0099.0	033.9	231.8	000.9179	0107.1	017.9	61.34	
141.0	012.9206	0099.0	033.7	232.5	000.9157	0106.9	018.5	60.83	
142.0	012.6051	0099.0	033.5	233.0	000.9137	0106.7	019.1	60.32	

FMCommander Single Allocation Study - 04-07-2015 - NGDC 30 SEC
WLRK's Overlaps (In= 0.23 km, Out= 5.02 km)

WLRK CH 218 C2 DA
Lat= 33 32 25.0, Lng= 91 22 39.0
19.5 kW 98 M HAAT, 136 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WCQC CH 217 C2 DA BNPED20071022AHR
Lat= 34 09 22.0, Lng= 90 37 52.0
50.0 kW 61.8 M HAAT, 108 M COR
Prot.= 60 dBu, Intef.= 54 dBu

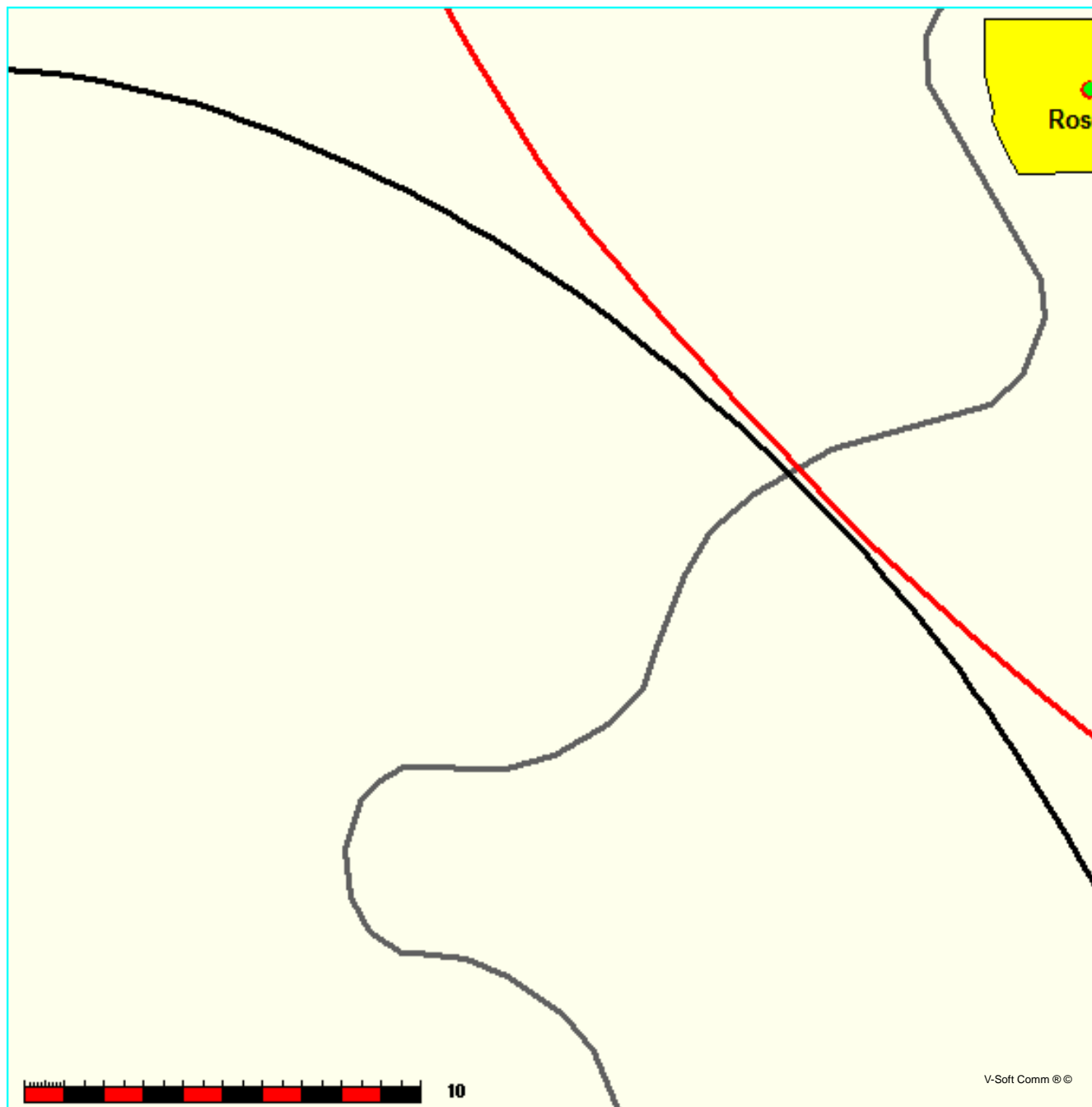


Educational Media Foundation

FMCommander Single Allocation Study - 04-07-2015 - NGDC 30 SEC
WLRK's Overlaps (In= 0.23 km, Out= 5.02 km)

WLRK CH 218 C2 DA
Lat= 33 32 25.0, Lng= 91 22 39.0
19.5 kW 98 M HAAT, 136 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WCQC CH 217 C2 DA BNPED20071022AHR
Lat= 34 09 22.0, Lng= 90 37 52.0
50.0 kW 61.8 M HAAT, 108 M COR
Prot.= 60 dBu, Intef.= 54 dBu



WLRK.P vs. WCQC.CP

EMF
04-07-2015 Terrain Data: NGDC 30 SEC FMOver Analysis

WLRK

WCQC BNPED20071022AHR

Channel = 218C2
Max ERP = 19.5 kW
RCAMSL = 136 M
N. Lat. 33 32 25.0
W. Lng. 91 22 39.0
Protected
60 dBu

Channel = 217C2
Max ERP = 50 kW
RCAMSL = 108 M
N. Lat. 34 09 22.0
W. Lng. 90 37 52.0
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)
026.0	016.4689	0099.0	035.6	235.7	050.0000	0064.2	064.6	53.17	
027.0	016.4331	0099.0	035.6	235.2	050.0000	0064.3	064.3	53.25	
028.0	016.3973	0099.0	035.6	234.7	050.0000	0064.3	064.0	53.33	
029.0	016.3616	0099.0	035.6	234.2	050.0000	0064.4	063.8	53.40	
030.0	016.3259	0099.0	035.5	233.7	050.0000	0064.4	063.5	53.47	
031.0	016.2902	0099.0	035.5	233.2	050.0000	0064.3	063.3	53.53	
032.0	016.2546	0099.0	035.5	232.7	050.0000	0064.3	063.1	53.58	
033.0	016.2190	0099.0	035.5	232.1	050.0000	0064.2	062.9	53.63	
034.0	016.1835	0099.0	035.5	231.6	050.0000	0064.1	062.7	53.67	
035.0	016.1480	0099.0	035.5	231.0	050.0000	0064.0	062.6	53.71	
036.0	016.1125	0099.0	035.4	230.5	050.0000	0063.9	062.4	53.75	
037.0	016.0770	0099.0	035.4	229.9	050.0000	0063.9	062.3	53.78	
038.0	016.0417	0099.0	035.4	229.4	050.0000	0063.9	062.2	53.81	
039.0	016.0063	0099.0	035.4	228.8	050.0000	0063.9	062.1	53.84	
040.0	015.9710	0099.0	035.4	228.2	050.0000	0063.9	062.0	53.86	
041.0	015.9710	0099.0	035.4	227.7	050.0000	0063.9	061.9	53.88	
042.0	015.9710	0099.0	035.4	227.1	050.0000	0063.9	061.9	53.90	
043.0	015.9710	0099.0	035.4	226.5	050.0000	0063.9	061.8	53.92	
044.0	015.9710	0099.0	035.4	226.0	050.0000	0064.0	061.8	53.93	
045.0	015.9710	0099.0	035.4	225.4	050.0000	0064.0	061.8	53.93	
046.0	015.9710	0099.0	035.4	224.8	050.0000	0064.1	061.8	53.94	
047.0	015.9710	0099.0	035.4	224.2	050.0000	0064.2	061.8	53.94	
048.0	015.9710	0099.0	035.4	223.7	050.0000	0064.3	061.8	53.93	
049.0	015.9710	0099.0	035.4	223.1	050.0000	0064.3	061.9	53.92	
050.0	015.9710	0099.0	035.4	222.5	050.0000	0064.4	062.0	53.90	
051.0	016.0063	0099.0	035.4	222.0	050.0000	0064.4	062.1	53.88	
052.0	016.0417	0099.0	035.4	221.4	050.0000	0064.4	062.1	53.86	
053.0	016.0770	0099.0	035.4	220.8	050.0000	0064.4	062.2	53.83	
054.0	016.1125	0099.0	035.4	220.3	050.0000	0064.4	062.4	53.80	
055.0	016.1480	0099.0	035.5	219.7	050.0000	0064.5	062.5	53.76	
056.0	016.1835	0099.0	035.5	219.2	050.0000	0064.5	062.7	53.72	
057.0	016.2190	0099.0	035.5	218.6	050.0000	0064.6	062.8	53.68	
058.0	016.2546	0099.0	035.5	218.1	050.0000	0064.6	063.0	53.63	
059.0	016.2902	0099.0	035.5	217.6	050.0000	0064.7	063.2	53.57	
060.0	016.3259	0099.0	035.5	217.1	050.0000	0064.7	063.4	53.52	
061.0	016.4331	0099.0	035.6	216.5	050.0000	0064.8	063.7	53.46	
062.0	016.5048	0099.0	035.6	216.0	050.0000	0064.8	063.9	53.40	
063.0	016.6126	0099.0	035.7	215.5	050.0000	0064.8	064.1	53.34	
064.0	016.6847	0099.0	035.7	215.0	050.0000	0064.9	064.4	53.27	