

### Channel Study

REFERENCE		CH# 218C3- 91.5 MHz, Pwr= 4.5 kW, HAAT=148.0M, COR= 371.7 M								DISPLAY DATES	
34 37 31.0 N.		Average Protected F(50-50)= 31.6 km								DATA 08-09-07	
93 00 37.0 W.										SEARCH 08-09-07	
CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*	
CITY	STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)	
218C3 KALR	LIC CN	0.0	0.00		34 37 31.0	3.000	80.7	27.0	-110.25*	-113.71*	
Hot Springs	AR	0.0	BLED19920615KA		93 00 37.0	128	372	Educational Media Foundati			
216C2 KANX	APP DC	128.0	60.29		34 17 26.0	26.151	7.0	59.9	20.30	-2.68	
Little Rock	AR	308.3	BMJPED20000112AB		92 29 36.0	313	378	American Family Associatio			
218C1 KTXK	LIC DCX	220.1	178.10		33 23 33.0	100.000	143.1	47.0	0.45	37.65	
Texarkana	TX	39.4	BLED20040224AAA		94 14 44.0	81	183	Texarkana Community Colleg			
219C1 KBDO	LIC ZVN	69.7	123.11		35 00 08.0	56.000	86.4	58.4	1.41	12.14	
Des Arc	AR	250.4	BLED19990910AAI		91 44 41.0	200	272	American Family Associatio			
217A KUCA	LIC CN	46.5	68.60		35 02 55.0	5.000	24.0	16.2	12.19	3.63	
Conway	AR	226.8	BLED19821115BH		92 27 49.0	35	152	University Of Central Arka			
216C2 KANX	LIC DCN	128.0	60.29		34 17 26.0	26.151	5.3	48.8	21.96	8.42	
Sheridan	AR	308.3	BLED19990519KA		92 29 36.0	170	235	American Family Associatio			
220A KHED	CP CX	184.8	55.25		34 07 44.0	0.250	1.1	7.1	21.00	45.11	
Arkadelphia	AR	4.7	BPED19990318MB		93 03 37.0	6	116	Henderson State University			
06-2E KEMV	LI HN	26.1	147.19		35 48 47.0	100.000		111.3	121.5R	25.7M	
Mountain View	AR	206.6	BLET19800903KE		92 17 24.0	424	753	Arkansas Educational Telev			
217C0 KUAF	LIC DC	326.3	164.63		35 51 12.0	83.999	98.4	67.2	37.87	54.00	
Fayetteville	AR	145.7	BLED20010813AAD		94 01 32.0	258	875	Board Of Trustees Of The U			
218C2 KCMH	LIC V	16.1	190.27		36 16 17.0	26.000	121.7	45.2	37.87	56.62	
Mountain Home	AR	196.4	BLED20000911AAQ		92 25 20.0	142	354	Christian Broadcasting Gro			
220A KXRJ	LIC HN	351.1	75.36		35 17 47.0	0.100	0.7	5.6	45.74	66.99	
Russellville	AR	171.1	BLED19890405KB		93 08 18.0	13	124	Arkansas Tech University			
216A KMTC	LIC CN	350.8	76.19		35 18 11.0	0.360	1.3	10.2	45.92	63.28	
Russellville	AR	170.7	BLED19870611KA		93 08 42.0	50	161	Russellville Educ B/c Foun			
271A KOKY<	LIC CN	75.5	63.45		34 45 59.0	0.195	53.7	35.2	12.0R	51.5M	
Sherwood	AR	255.8	BLH19940527KA		92 20 21.0	778	222	The Last Bastion Station T			
219C2 KARG	LIC CN	288.5	160.51		35 04 17.0	2.500	79.5	53.2	52.52	63.53	
Poteau	OK	107.6	BLED19980130KD		94 40 47.0	592	752	American Family Associatio			
272C3 KCJC<	LIC CN	341.6	70.53		35 13 41.0	0.195	53.7	35.2	14.0R	56.5M	
Dardanelle	AR	161.5	BLH19951011KD		93 15 20.0	778	563	Mma License Llc			
218C2 KGRM	LIC CN	173.5	235.50		32 30 56.0	50.000	140.3	54.5	61.90	89.12	
Grambling	LA	353.6	BLED19901005KA		92 43 27.0	169	229	Grambling College Of Louis			

Terrain database is NGDC 30 SEC  
 ERP and HAAT on direct-line with reference station.  
 • affixed to TV6 Margin= no direct-line contour overlap.  
 "\*"affixed to 'IN' or 'Out' values = site inside protected contour.  
 < = Station meets FCC minimum distance spacing for its class.

### 216C2 KANX application

KANX has submitted an application which would receive interference from the license of KALR (BLED-19920615KA). The application of KANX (BMJPED-20000112AB) is either inadmissible or is requesting a waiver of 47 C.F.R. Section 73.509. In either case the proposed upgrade to KALR should not be affected.

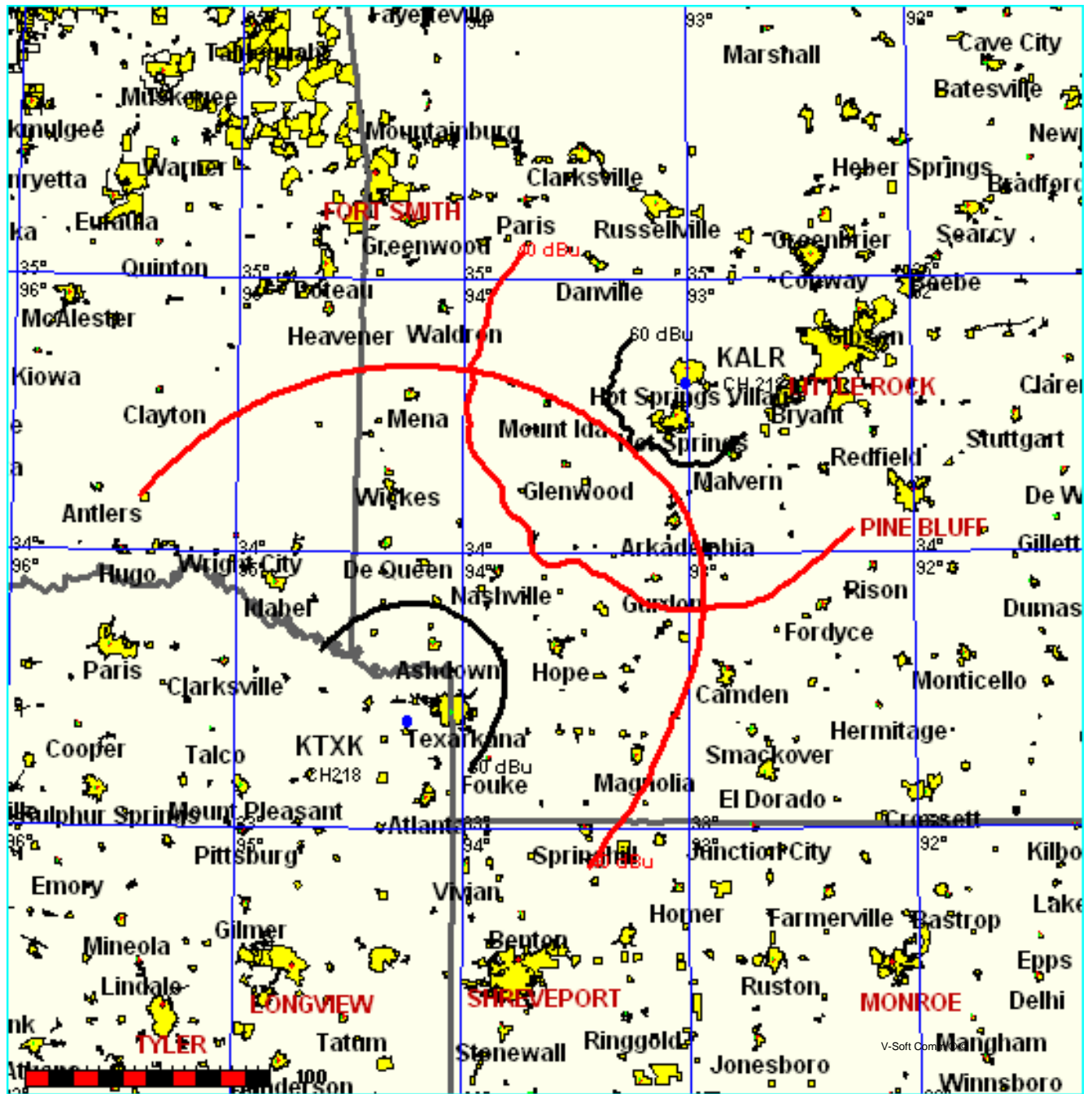
Exhibit 16 - A

FMCommander Single Allocation Study  
08-10-2007

KALR CH 218 C3  
4.5 kW 371.7 M COR  
Prot. = 60 dBu  
Intef. = 40 dBu

KTXK CH 218 C1 BLED20040224AAA  
100.0 kW, 183 M COR DA  
Prot. = 60 dBu  
Intef. = 40 dBu

Scale = 1:4,000,000



## KALR vs. KTXK

08-10-2007

30 Arc-Sec. Terrain Data

FMOver Analysis

KALR  
Channel = 218C3  
Max ERP = 4.5 kW  
RCAMSL = 371.7 M  
N. Lat. 34 37 31.0  
W. Lng. 93 00 37.0  
Protected  
60 dBu

KTXK BLED20040224AAA  
Channel = 218C1  
Max ERP = 100 kW  
RCAMSL = 183 M  
N. Lat. 33 23 33.0  
W. Lng. 94 14 44.0  
Interfering  
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
214.0	004.5000	0140.2	030.7	040.7	100.0000	0080.3	147.6	39.16
215.0	004.5000	0152.3	032.0	040.5	100.0000	0080.3	146.3	39.39
216.0	004.5000	0161.4	033.0	040.3	100.0000	0080.8	145.3	39.59
217.0	004.5000	0168.3	033.7	040.1	100.0000	0080.8	144.5	39.73
218.0	004.5000	0173.3	034.2	039.9	100.0000	0080.8	144.0	39.83
219.0	004.5000	0175.9	034.5	039.7	100.0000	0080.8	143.7	39.88
220.0	004.5000	0176.5	034.5	039.4	100.0000	0081.4	143.7	39.90
221.0	004.5000	0175.0	034.4	039.2	100.0000	0081.4	143.8	39.88
222.0	004.5000	0171.2	034.0	039.0	100.0000	0081.4	144.2	39.81
223.0	004.5000	0165.0	033.4	038.8	100.0000	0081.4	144.9	39.69
224.0	004.5000	0157.0	032.5	038.6	100.0000	0081.4	145.8	39.52
225.0	004.5000	0147.9	031.5	038.4	100.0000	0081.9	146.8	39.36
226.0	004.5000	0139.1	030.6	038.2	100.0000	0081.9	147.8	39.19
227.0	004.5000	0132.3	029.9	038.0	100.0000	0081.9	148.5	39.06
228.0	004.5000	0128.9	029.6	037.9	100.0000	0081.9	148.9	38.99
229.0	004.5000	0129.1	029.6	037.7	100.0000	0081.9	149.0	38.98
230.0	004.5000	0132.0	029.9	037.4	100.0000	0082.3	148.8	39.02
231.0	004.5000	0135.9	030.3	037.2	100.0000	0082.3	148.6	39.07
232.0	004.5000	0139.5	030.7	037.0	100.0000	0082.3	148.3	39.10
233.0	004.5000	0142.4	031.0	036.8	100.0000	0082.3	148.2	39.13
234.0	004.5000	0144.7	031.2	036.5	100.0000	0082.3	148.1	39.14
235.0	004.5000	0146.3	031.4	036.3	100.0000	0082.7	148.1	39.15
236.0	004.5000	0146.2	031.4	036.1	100.0000	0082.7	148.3	39.12
237.0	004.5000	0143.5	031.1	036.0	100.0000	0082.7	148.7	39.04

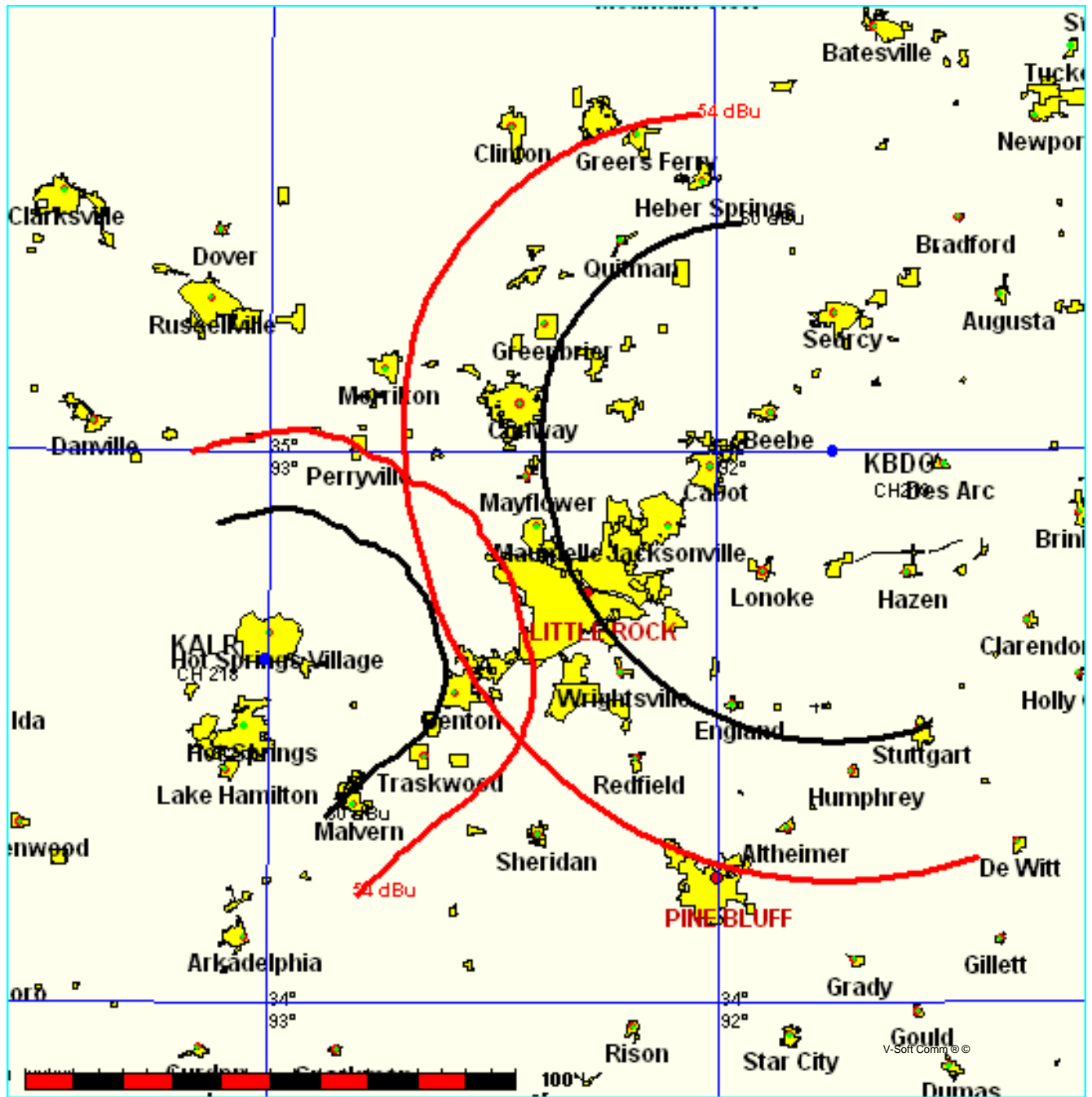
Exhibit 16 - B

FMCommander Single Allocation Study  
08-10-2007

KALR CH 218 C3  
4.5 kW 371.7 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

KBDO CH 219 C1 BLED19990910AAI  
56.0 kW, 272 M COR DA  
Prot. = 60 dBu  
Intef. = 54 dBu

Scale = 1:2,000,000



## KALR vs. KBDO

08-10-2007

30 Arc-Sec. Terrain Data

FMOver Analysis

KALR  
Channel = 218C3  
Max ERP = 4.5 kW  
RCAMSL = 371.7 M  
N. Lat. 34 37 31.0  
W. Lng. 93 00 37.0  
Protected  
60 dBu

KBDO BLED19990910AAI  
Channel = 219C1  
Max ERP = 56 kW  
RCAMSL = 272 M  
N. Lat. 35 00 08.0  
W. Lng. 91 44 41.0  
Interfering  
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
062.0	004.5000	0172.8	034.2	253.4	056.0000	0198.8	089.3	53.03
063.0	004.5000	0174.1	034.3	253.1	056.0000	0198.8	089.1	53.10
064.0	004.5000	0175.7	034.4	252.7	056.0000	0198.8	088.9	53.18
065.0	004.5000	0177.3	034.6	252.3	056.0000	0199.4	088.6	53.27
066.0	004.5000	0178.8	034.7	251.9	056.0000	0199.4	088.4	53.33
067.0	004.5000	0180.4	034.9	251.5	056.0000	0199.4	088.2	53.39
068.0	004.5000	0182.3	035.0	251.2	056.0000	0199.9	088.0	53.47
069.0	004.5000	0184.4	035.2	250.8	056.0000	0199.9	087.8	53.53
070.0	004.5000	0186.4	035.4	250.4	056.0000	0200.2	087.7	53.60
071.0	004.5000	0187.7	035.5	250.0	056.0000	0200.2	087.6	53.63
072.0	004.5000	0188.4	035.5	249.5	056.0000	0200.2	087.5	53.64
073.0	004.5000	0188.5	035.6	249.1	056.0000	0200.4	087.6	53.64
074.0	004.5000	0188.6	035.6	248.7	056.0000	0200.4	087.6	53.62
075.0	004.5000	0188.1	035.5	248.3	056.0000	0200.4	087.7	53.59
076.0	004.5000	0187.6	035.5	247.9	056.0000	0200.4	087.8	53.55
077.0	004.5000	0187.3	035.5	247.5	056.0000	0200.4	088.0	53.51
078.0	004.5000	0187.6	035.5	247.1	056.0000	0200.4	088.1	53.48
079.0	004.5000	0188.5	035.5	246.7	056.0000	0200.4	088.1	53.47
080.0	004.5000	0189.0	035.6	246.3	056.0000	0200.3	088.2	53.43
081.0	004.5000	0189.0	035.6	245.9	056.0000	0200.3	088.4	53.38
082.0	004.5000	0189.2	035.6	245.5	056.0000	0200.3	088.5	53.33
083.0	004.5000	0190.3	035.7	245.1	056.0000	0200.2	088.6	53.30
084.0	004.5000	0191.8	035.8	244.7	056.0000	0200.2	088.7	53.27
085.0	004.5000	0193.3	035.9	244.3	056.0000	0199.9	088.8	53.23
086.0	004.5000	0195.3	036.1	243.9	056.0000	0199.9	088.9	53.20
087.0	004.5000	0197.5	036.3	243.5	056.0000	0199.6	089.0	53.16
088.0	004.5000	0199.8	036.5	243.1	056.0000	0199.6	089.1	53.13
089.0	004.5000	0202.0	036.7	242.7	056.0000	0199.6	089.2	53.10
090.0	004.5000	0204.3	036.8	242.2	056.0000	0199.3	089.4	53.04

Exhibit 16 - C

FMCommander Single Allocation Study  
08-10-2007

KALR CH 218 C3  
4.5 kW 371.7 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

KUCA CH 217 A BLED19821115BH  
5.0 kW, 152 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

Scale = 1:1,500,000

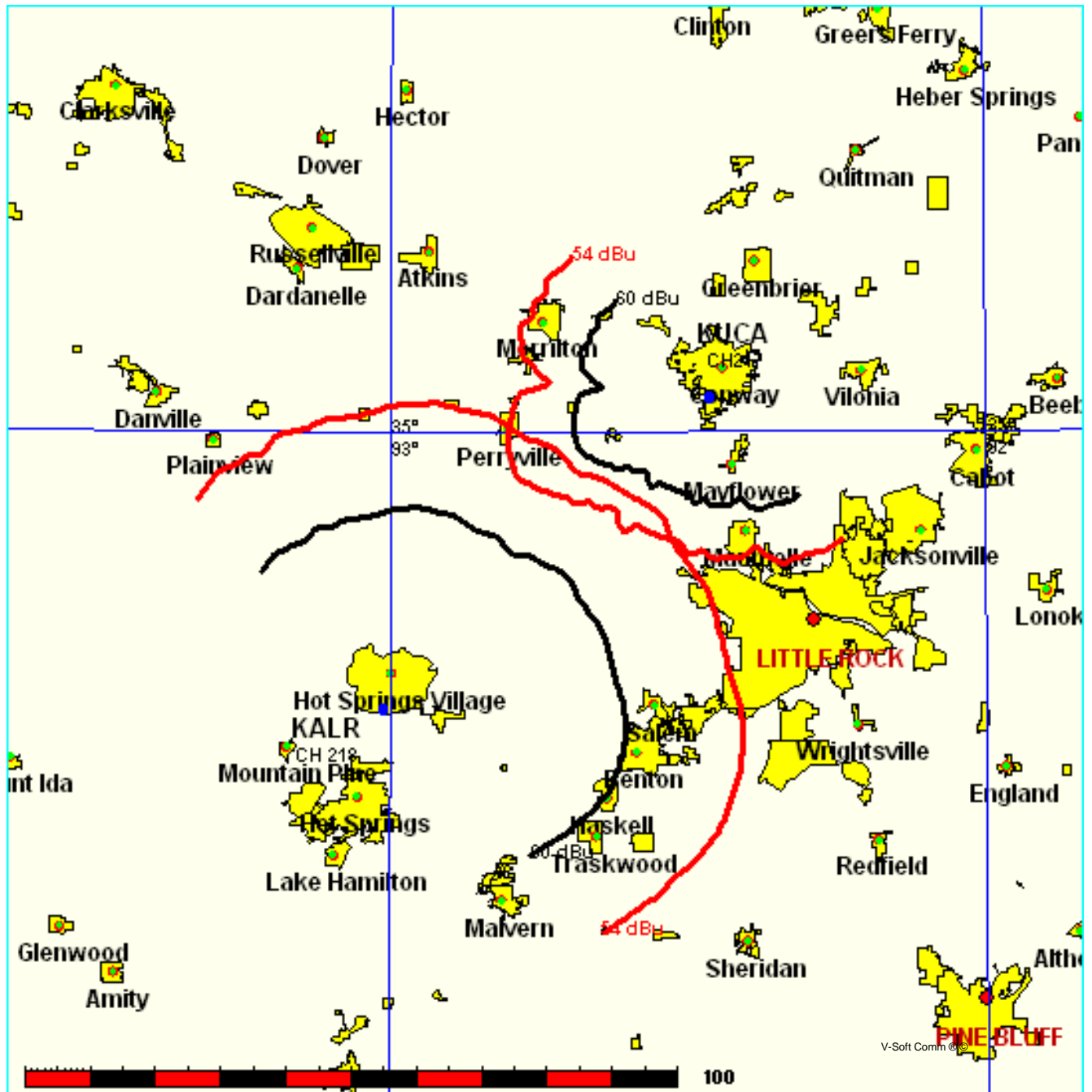


Exhibit 16 - D

FMCommander Single Allocation Study  
08-10-2007

KALR CH 218 C3  
4.5 kW 371.7 M COR  
Prot. = 60 dBu  
Intef. = 100 dBu

KANX CH 216 C2 BLED19990519KA  
40.0 kW, 235 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

Scale = 1:1,500,000

