

Channel Study

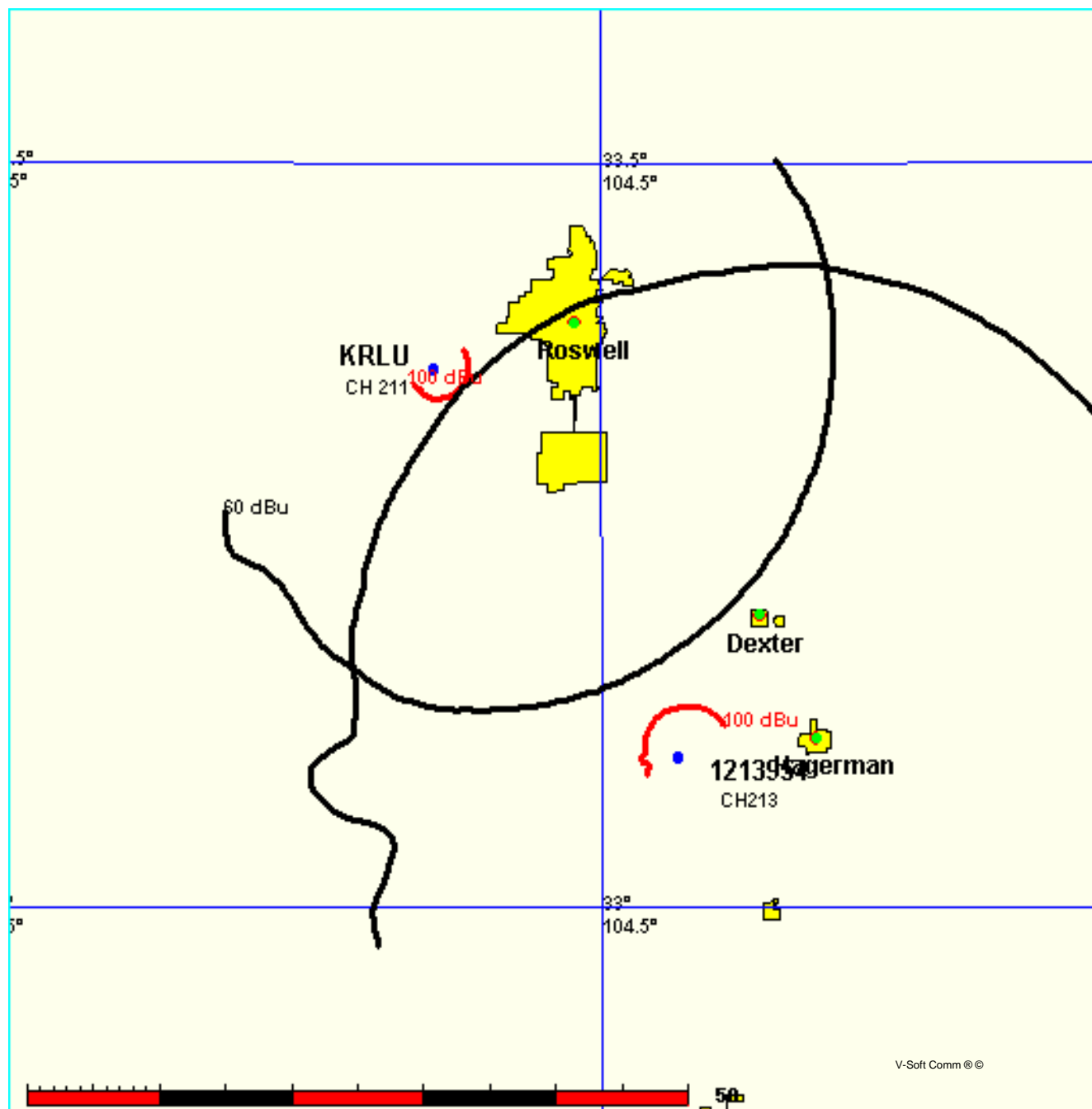
REFERENCE		CH# 211A - 90.1 MHz, Pwr= 2.4 kW, HAAT= 120.0 M, COR= 1283 M						DISPLAY DATES			
33 21 47.0 N.		Average Protected F(50-50)= 25.0 km						DATA 05-21-08			
104 38 11.0 W.								SEARCH 06-03-08			
CH	CALL	TYPE ANT		AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)
211A	KRLU	LIC	VX	0.0	0.00	33 21 47.0	2.000	72.8	23.7	-97.52*	-99.18*
Roswell		NM		0.0	BLED20040326ABU	104 38 11.0	120	1283	Educational Media Foundati		
213C	880303MR	VAC	N	70.4	11.10	33 23 47.0	100.000	13.1	89.7	-32.57*<	-81.26*<
Roswell		NM		250.5		104 31 26.0	600	1705			
06-2C	KOCT	CP	HN	147.6	74.73	32 47 38.0	100.000		109.6	128.8R	-54.1M
Carlsbad		NM		327.9	BPCT20060630ABM	104 12 29.0	365	1437	Koat Hearst-argyle Televis		
06-2C	KOCT	LI	HN	147.6	74.73	32 47 39.0	100.000		109.5	128.8R	-54.1M
Carlsbad		NM		327.8	BLCT2553	104 12 27.0	365	1437	Koat Hearst-argyle Televis		
211A	VA8993	VAC	N	160.0	111.38	32 25 09.0	6.000	88.1	29.4	-3.27<	2.88
Carlsbad		NM		340.2		104 13 47.0	100	1083			
213C3	1213954	APP	VX	147.5	34.34	33 06 07.6	20.000	3.2	31.6	3.73	0.33
Dexter		NM		327.6	BNPED20071018APD	104 26 17.1	90	1170	Roswell Humane Society		
212C1	1212698	APP	VX	272.8	106.69	33 24 15.0	1.400	87.2	58.7	0.88	20.70
Ruidoso		NM		92.1	BNPED20071017AJX	105 46 55.0	528	3298	Sky High Broadcasting, Inc		
210A	1213973	APP	VX	88.8	80.63	33 22 30.9	1.700	40.1	26.6	10.36	8.58
Caprock		NM		269.3	BNPED20071018APK	103 46 12.4	115	1414	Roswell Humane Society		
212A	1222924	APP	VX	271.8	96.38	33 23 10.0	6.000	68.5	46.1	9.29	23.04
Ruidoso		NM		91.2	BNPED20071015ABC	105 40 18.0	99	2391	Christian Business Owners		
211A	1241489	APP	VX	157.4	106.73	32 28 28.0	1.100	36.8	10.4	43.15	16.87
Carlsbad		NM		337.6	BNPED20071019ADG	104 11 54.0	60	1040	Your Christian Companion N		
213C1	1210447	APP	VX	268.3	101.14	33 19 55.0	54.000	10.5	80.2	73.22	19.21
Ruidoso		NM		87.7	BNPED20071015AGC	105 43 20.0	187	2539	Oscar Aguero Ministry		
213A	1211702	APP	VX	272.8	106.68	33 24 15.2	0.250	1.1	42.4	86.98	62.43
Ruidoso		NM		92.1	BNPED20071016AID	105 46 54.7	868	3303	Life On The Way Communicat		
Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM											
ERP and HAAT on direct-line with reference station.											
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.											
"<" = Contour Overlap											
Reference station has protected zone issue: Mexico											

Exhibit 16 - A

FMCommander Single Allocation Study
06-03-2008

KRLU CH 211 A
2.4 kW 1283 M COR
Prot. = 60 dBu
Intef. = 100 dBu

1213954 CH 213 C3 BNPED20071018APD
20.0 kW, 1170 M COR
Prot. = 60 dBu
Intef. = 100 dBu



1213954 vs. KRLU

06-03-2008 NGDC 30 SEC Terrain Data

1213954 BNPED20071018APD
Channel = 213C3
Max ERP = 20 kW
RCAMSL = 1170 M
N. Lat. 33 06 07.6
W. Lng. 104 26 17.1
Protected
60 dBu

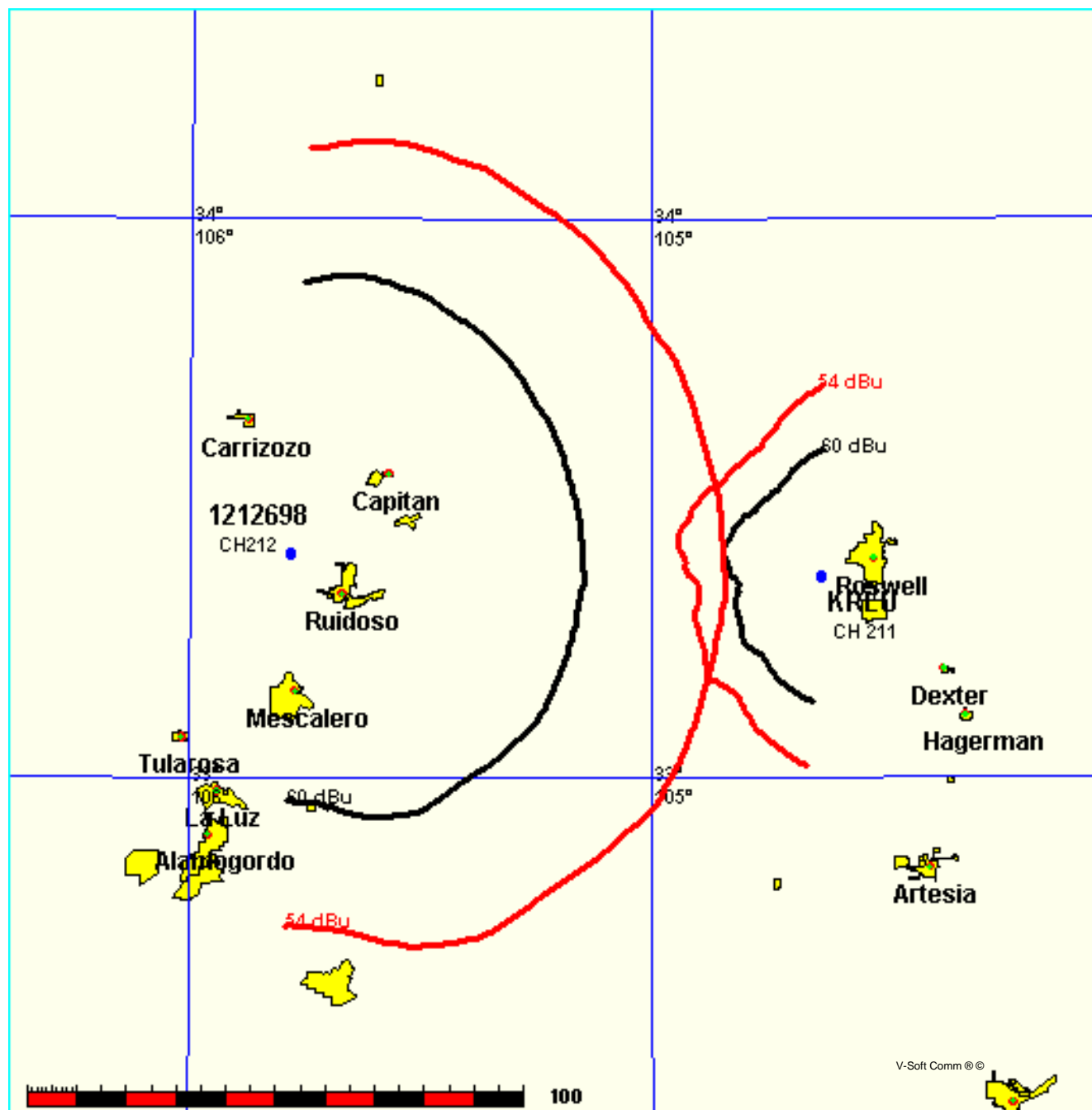
KRLU
Channel = 211A
Max ERP = 2.4 kW
RCAMSL = 1283 M
N. Lat. 33 21 47.0
W. Lng. 104 38 11.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
323.0	020.0000	0066.2	030.8	180.6	002.4000	0123.2	004.4	90.17
324.0	020.0000	0067.1	030.9	175.9	002.4000	0127.1	003.9	92.06
325.0	020.0000	0067.9	031.1	169.8	002.4000	0130.9	003.5	93.91
326.0	020.0000	0068.8	031.3	162.2	002.4000	0137.5	003.2	95.74
327.0	020.0000	0069.7	031.5	152.7	002.4000	0145.6	002.9	97.47
328.0	020.0000	0070.7	031.7	141.3	002.4000	0153.4	002.7	98.76
329.0	020.0000	0071.5	031.9	128.7	002.4000	0163.3	002.6	99.34
330.0	020.0000	0072.2	032.0	116.7	002.4000	0171.5	002.8	98.95
331.0	020.0000	0072.7	032.1	106.5	002.4000	0176.5	003.0	97.90
332.0	020.0000	0073.3	032.2	098.3	002.4000	0180.7	003.4	96.58
333.0	020.0000	0073.8	032.3	091.8	002.4000	0182.6	003.8	95.08
334.0	020.0000	0074.4	032.5	086.6	002.4000	0184.9	004.2	93.56
335.0	020.0000	0075.1	032.6	082.3	002.4000	0186.3	004.7	92.05
336.0	020.0000	0075.9	032.8	078.8	002.4000	0187.7	005.2	90.60

Exhibit 16 - B

FMCommander Single Allocation Study
06-03-2008

KRLU	CH 211 A	1212698	CH 212 C1	BNPED20071017AJX
2.4 kW	1283 M COR	1.4 kW,	3298 M COR	
Prot. =	60 dBu	Prot. =	60 dBu	
Intef. =	54 dBu	Intef. =	54 dBu	



KRLU vs. 1212698

06-03-2008 NGDC 30 SEC Terrain Data FMOver Analysis

KRLU
Channel = 211A
Max ERP = 2.4 kW
RCAMSL = 1283 M
N. Lat. 33 21 47.0
W. Lng. 104 38 11.0
Protected
60 dBu

1212698 BNPED20071017AJX
Channel = 212C1
Max ERP = 1.4 kW
RCAMSL = 3298 M
N. Lat. 33 24 15.0
W. Lng. 105 46 55.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
244.0	002.4000	0064.1	018.5	097.8	001.4000	1005.8	090.9	53.04
245.0	002.4000	0063.8	018.4	097.6	001.4000	1006.8	090.8	53.09
246.0	002.4000	0063.5	018.4	097.4	001.4000	1007.9	090.6	53.14
247.0	002.4000	0063.1	018.3	097.2	001.4000	1009.1	090.5	53.19
248.0	002.4000	0062.6	018.3	097.0	001.4000	1010.2	090.4	53.23
249.0	002.4000	0062.5	018.3	096.8	001.4000	1011.2	090.3	53.28
250.0	002.4000	0062.6	018.3	096.7	001.4000	1012.0	090.1	53.33
251.0	002.4000	0062.5	018.3	096.5	001.4000	1012.8	090.0	53.38
252.0	002.4000	0061.9	018.2	096.3	001.4000	1013.6	089.9	53.40
253.0	002.4000	0061.1	018.1	096.1	001.4000	1014.2	089.9	53.42
254.0	002.4000	0060.0	017.9	095.8	001.4000	1014.5	089.9	53.41
255.0	002.4000	0058.6	017.7	095.6	001.4000	1014.6	090.0	53.39
256.0	002.4000	0056.6	017.4	095.3	001.4000	1014.2	090.2	53.33
257.0	002.4000	0054.6	017.0	095.1	001.4000	1013.5	090.4	53.26
258.0	002.4000	0053.6	016.9	094.9	001.4000	1012.5	090.5	53.23
259.0	002.4000	0053.6	016.9	094.7	001.4000	1011.4	090.4	53.24
260.0	002.4000	0054.1	017.0	094.5	001.4000	1010.5	090.2	53.28
261.0	002.4000	0053.9	016.9	094.3	001.4000	1009.4	090.2	53.29
262.0	002.4000	0053.0	016.8	094.1	001.4000	1008.1	090.3	53.25
263.0	002.4000	0052.3	016.6	093.9	001.4000	1006.9	090.3	53.22
264.0	002.4000	0051.9	016.5	093.7	001.4000	1005.6	090.4	53.20
265.0	002.4000	0052.5	016.7	093.6	001.4000	1004.5	090.2	53.24
266.0	002.4000	0053.7	016.9	093.4	001.4000	1003.3	089.9	53.30
267.0	002.4000	0054.9	017.1	093.2	001.4000	1002.0	089.7	53.36
268.0	002.4000	0056.2	017.3	093.1	001.4000	1000.5	089.4	53.43
269.0	002.4000	0058.5	017.7	092.9	001.4000	0999.0	089.0	53.53
270.0	002.4000	0060.8	018.0	092.7	001.4000	0997.1	088.7	53.62
271.0	002.4000	0063.2	018.3	092.5	001.4000	0995.1	088.3	53.70
272.0	002.4000	0064.7	018.6	092.3	001.4000	0993.0	088.1	53.74
273.0	002.4000	0065.0	018.6	092.1	001.4000	0991.1	088.1	53.74
274.0	002.4000	0065.1	018.6	091.9	001.4000	0989.6	088.1	53.73
275.0	002.4000	0065.3	018.6	091.7	001.4000	0988.6	088.1	53.72
276.0	002.4000	0066.2	018.8	091.4	001.4000	0987.9	088.0	53.75
277.0	002.4000	0067.5	018.9	091.2	001.4000	0987.2	087.8	53.79
278.0	002.4000	0068.9	019.1	091.0	001.4000	0986.5	087.7	53.83
279.0	002.4000	0070.4	019.3	090.8	001.4000	0985.8	087.5	53.87
280.0	002.4000	0072.0	019.5	090.5	001.4000	0985.0	087.3	53.91
281.0	002.4000	0073.6	019.8	090.3	001.4000	0984.3	087.2	53.94
282.0	002.4000	0074.8	019.9	090.0	001.4000	0983.5	087.1	53.97
283.0	002.4000	0075.5	020.0	089.8	001.4000	0982.8	087.1	53.97
284.0	002.4000	0076.0	020.1	089.5	001.4000	0982.0	087.1	53.95
285.0	002.4000	0076.3	020.1	089.3	001.4000	0981.3	087.1	53.93
286.0	002.4000	0076.8	020.2	089.1	001.4000	0980.5	087.2	53.92

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Exhibit 16-B1
Roswell, NM

287.0	002.4000	0076.7	020.2	088.9	001.4000	0979.8	087.3	53.88
288.0	002.4000	0076.1	020.1	088.7	001.4000	0979.2	087.5	53.82
289.0	002.4000	0075.2	020.0	088.5	001.4000	0978.6	087.7	53.74
290.0	002.4000	0074.1	019.8	088.3	001.4000	0978.0	087.9	53.66
291.0	002.4000	0073.1	019.7	088.1	001.4000	0977.5	088.2	53.58
292.0	002.4000	0072.5	019.6	087.9	001.4000	0977.2	088.4	53.52
293.0	002.4000	0072.3	019.6	087.7	001.4000	0977.0	088.6	53.47
294.0	002.4000	0072.6	019.6	087.5	001.4000	0976.8	088.7	53.43
295.0	002.4000	0073.0	019.7	087.3	001.4000	0976.7	088.8	53.40
296.0	002.4000	0073.4	019.7	087.1	001.4000	0976.6	088.9	53.37
297.0	002.4000	0073.4	019.7	086.9	001.4000	0976.7	089.1	53.32
298.0	002.4000	0073.1	019.7	086.7	001.4000	0976.8	089.3	53.26
299.0	002.4000	0072.4	019.6	086.6	001.4000	0977.0	089.5	53.18
300.0	002.4000	0071.5	019.5	086.4	001.4000	0977.1	089.8	53.10
301.0	002.4000	0070.8	019.4	086.3	001.4000	0977.3	090.1	53.02

Exhibit 16 - C

FMCommander Single Allocation Study
06-03-2008

KRLU CH 211 A
2.4 kW 1283 M COR
Prot. = 60 dBu
Intef. = 54 dBu

1213973 CH 210 A BNPED20071018APK
1.7 kW, 1414 M COR
Prot. = 60 dBu
Intef. = 54 dBu

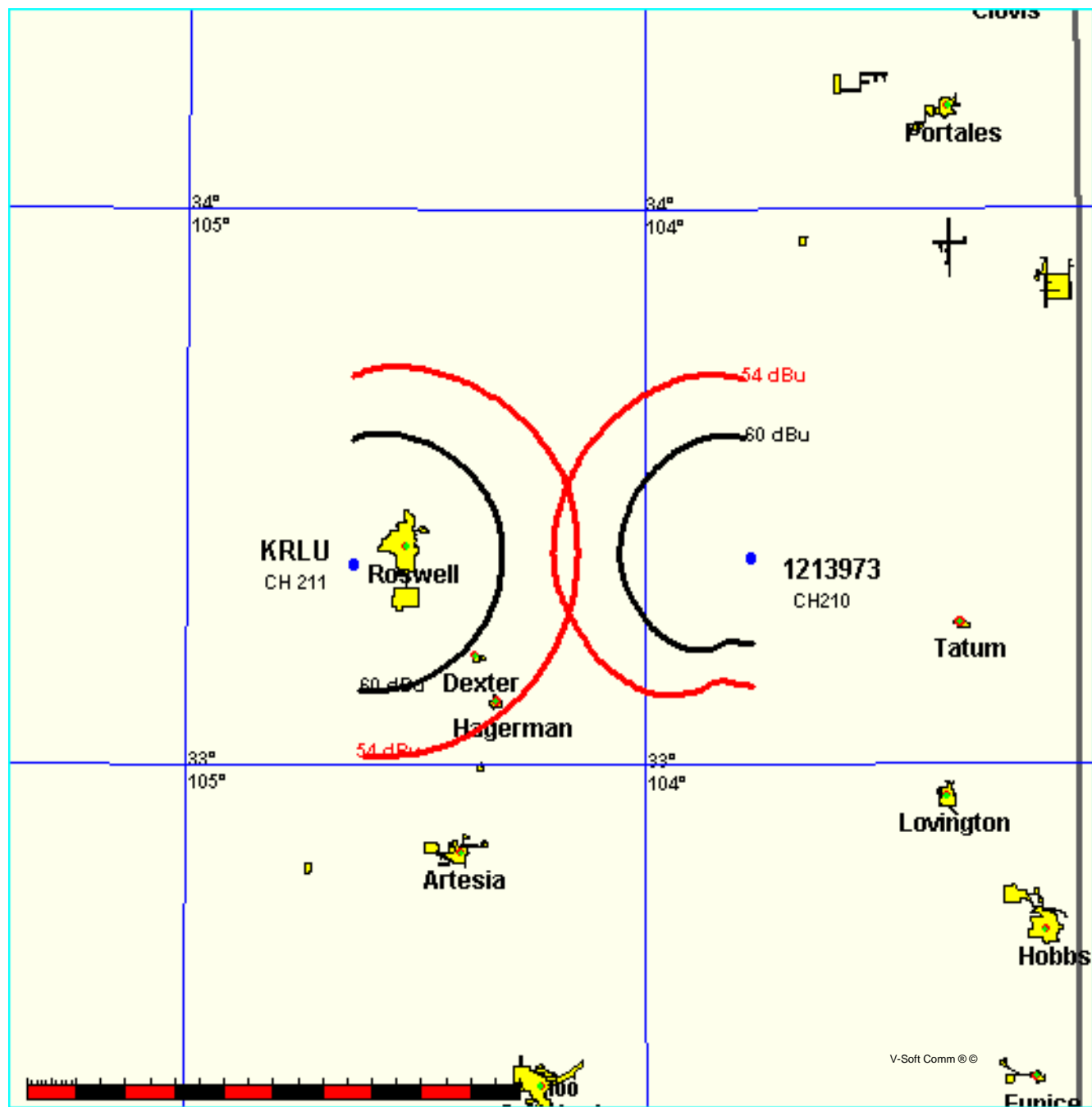


Exhibit 16 - D

FMCommander Single Allocation Study
06-03-2008

KRLU	CH 211 A	1222924	CH 212 A	BNPED20071015ABC
2.4 kW	1283 M COR	6.0 kW,	2391 M COR	
Prot. = 60 dBu		Prot. = 60 dBu		
Intef. = 54 dBu		Intef. = 54 dBu		

