

Channel Study

REFERENCE CH# 207C3- 89.3 MHz, Pwr= 3.5 kW, HAAT= 219.2 M, COR= 488 M DISPLAY DATES
43 14 08.0 N. Average Protected F(50-50)= 36.0 km DATA 01-09-10
123 19 18.0 W. Omni-directional SEARCH 01-11-10

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*
207A Winchester	KLOV	LIC CN OR	216.3 36.3	0.1 BMLED19971015KK	43 14 06.0 123 19 20.0	1.600 189	73.8 457	24.5 Educational Media Foundati	-114.2*	-126.7*
207C1 Winchester	KLOV	CP DCX OR	54.0 234.1	25.9 BPED20020401AAV	43 22 19.0 123 03 48.0	4.500 842	138.3 1335	60.5 Educational Media Foundati	-148.9*	-130.4*
208A Coos Bay	1214983	APP CX OR	275.5 94.9	73.3 BNPED20071019AZK	43 17 41.4 124 13 17.1	0.900 31	13.8 109	9.9 Clean Air Broadcasting Cor	17.9	1.3
208A Coos Bay	1202827	APP CX OR	280.4 99.7	75.8 BNPED20071018APY	43 21 15.0 124 14 30.0	0.040 153	12.4 207	8.8 Ucb Usa, Inc.	21.7	4.7
206A Reedsport	KLFR	LIC CX OR	311.2 130.7	82.7 BLED20021126ABV	43 43 21.0 124 05 40.0	0.700 109	17.5 188	12.0 Lane Community College	25.2	11.2
206C2 Ashland	KSMF	LIC CN OR	155.7 336.1	114.2 BLED19920511KA	42 17 54.0 122 44 59.0	2.300 412	75.0 1172	49.7 Oregon St Board Of Higher	13.7	25.7
209C0 Eugene	KLCC	LIC EN OR	11.1 191.2	86.7 BLED19900313KB	44 00 05.0 123 06 48.0	81.000 354	8.5 546	65.0 Lane Community College	46.4	18.9
204C0 Selma	KJKL	CP VX OR	194.3 14.1	112.0 BPED20080521ACX	42 15 29.0 123 39 32.0	42.000 584	9.5 1241	75.5 Educational Media Foundati	64.9	33.3
204C0 Selma	KJKL	LIC VX OR	194.3 14.1	112.0 BLED20061017ACU	42 15 29.0 123 39 32.0	30.000 584	8.5 1241	71.7 Educational Media Foundati	66.0	37.1
205C3 Springfield	KQFE	LIC CN OR	11.0 191.2	86.9 BLED19981116KB	44 00 11.0 123 06 48.0	1.250 290	2.0 489	25.8 Family Stations, Inc.	53.0	58.3
208A Chemult	KSKX	CP CX OR	86.0 267.1	130.6 BNPED20071018DEQ	43 18 20.0 121 42 58.0	0.100 578	40.5 2161	26.1 Oregon St Board Of Higher	59.8	58.7

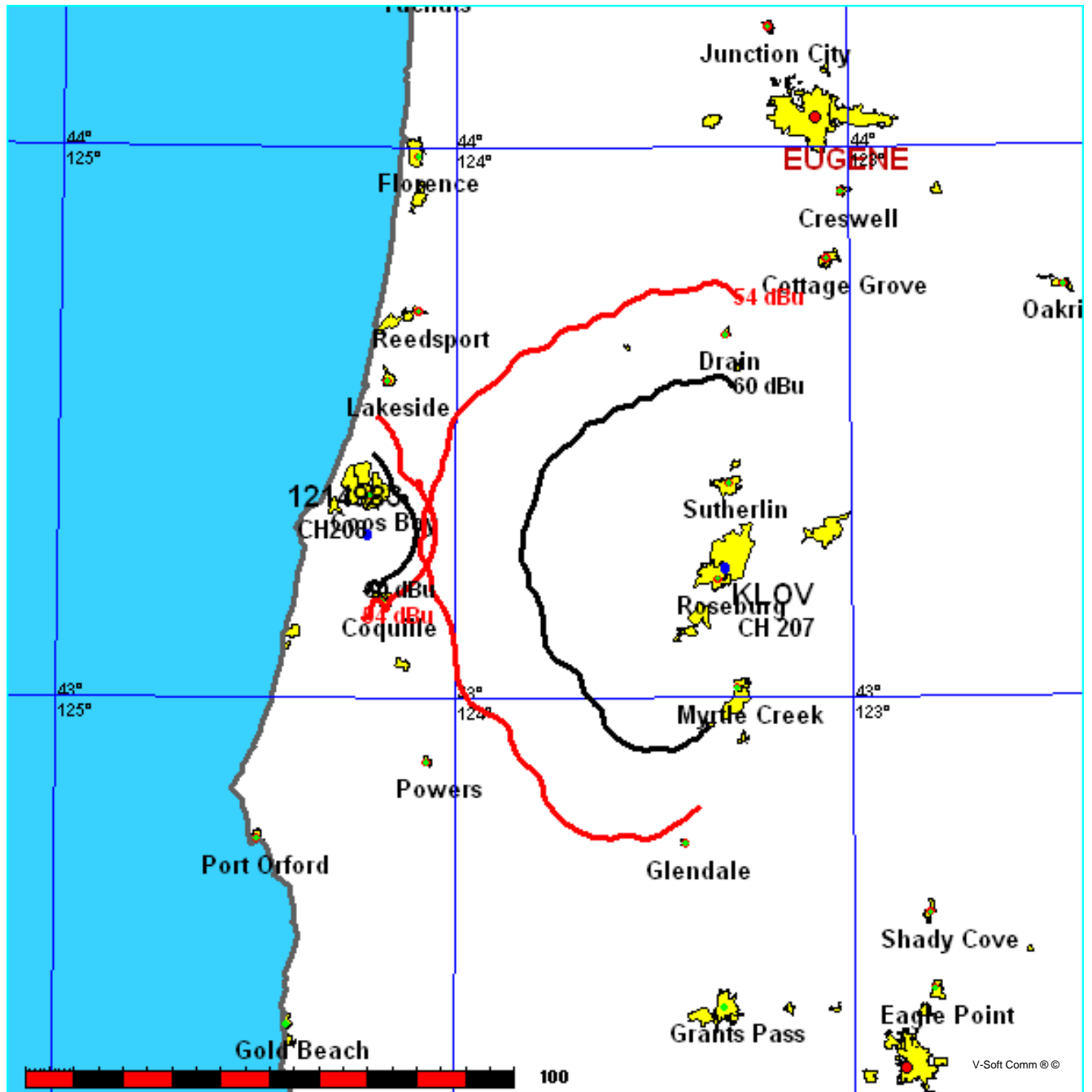
Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone = 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E),Beamtilt(Y,N,X)
***affixed to 'IN' or 'OUT' values = site inside protected contour.

Exhibit 16 - A

FMCommander Single Allocation Study - 01-11-2010 - NGDC 30 SEC
KLOV's Overlaps (In= 17.86 km, Out= 1.29 km)

KLOV CH 207 C3
Lat= 43 14 08.0, Lng= 123 19 18.0
3.5 kW 219.2 M HAAT, 488 M COR
Prot.= 60 dBu, Intef.= 54 dBu

1214983 CH 208 A BNPED20071019AZK
Lat= 43 17 41.4, Lng= 124 13 17.1
0.9 kW 30.8 M HAAT, 109 M COR
Prot.= 60 dBu, Intef.= 54 dBu



KLOV and 1214983

01-11-2010 NGDC 30 SEC Terrain Data

1214983 BNPED20071019AZK
Channel = 208A
Max ERP = 0.9 kW
RCAMSL = 109 M
N. Lat. 43 17 41.4
W. Lng. 124 13 17.1
Protected
60 dBu

KLOV
Channel = 207C3
Max ERP = 3.5 kW
RCAMSL = 488 M
N. Lat. 43 14 08.0
W. Lng. 123 19 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)
064.0	000.9000	0019.7	009.9	280.0	003.5000	0313.6	065.1	53.00	
065.0	000.9000	0018.4	009.9	279.8	003.5000	0313.6	065.0	53.03	
066.0	000.9000	0013.7	009.9	279.7	003.5000	0313.5	064.9	53.06	
067.0	000.9000	0005.4	009.9	279.6	003.5000	0313.4	064.8	53.09	
068.0	000.9000	0000.6	009.9	279.5	003.5000	0313.2	064.7	53.12	
069.0	000.9000	0000.9	009.9	279.3	003.5000	0313.1	064.6	53.15	
070.0	000.9000	0007.8	009.9	279.2	003.5000	0312.9	064.5	53.17	
071.0	000.9000	0014.5	009.9	279.1	003.5000	0312.8	064.4	53.19	
072.0	000.9000	0015.6	009.9	278.9	003.5000	0312.6	064.3	53.22	
073.0	000.9000	0009.4	009.9	278.8	003.5000	0312.4	064.3	53.24	
074.0	000.9000	-0004.3	009.9	278.6	003.5000	0312.2	064.2	53.26	
075.0	000.9000	-0019.7	009.9	278.5	003.5000	0312.0	064.1	53.27	
076.0	000.9000	-0032.8	009.9	278.4	003.5000	0311.8	064.1	53.29	
077.0	000.9000	-0042.6	009.9	278.2	003.5000	0311.6	064.0	53.31	
078.0	000.9000	-0047.7	009.9	278.1	003.5000	0311.4	063.9	53.32	
079.0	000.9000	-0047.3	009.9	277.9	003.5000	0311.2	063.9	53.33	
080.0	000.9000	-0049.3	009.9	277.8	003.5000	0311.0	063.8	53.35	
081.0	000.9000	-0049.6	009.9	277.6	003.5000	0310.8	063.8	53.36	
082.0	000.9000	-0048.8	009.9	277.5	003.5000	0310.7	063.7	53.37	
083.0	000.9000	-0051.2	009.9	277.3	003.5000	0310.4	063.7	53.38	
084.0	000.9000	-0052.4	009.9	277.2	003.5000	0310.2	063.7	53.38	
085.0	000.9000	-0050.9	009.9	277.0	003.5000	0310.0	063.6	53.39	
086.0	000.9000	-0048.7	009.9	276.9	003.5000	0309.8	063.6	53.39	
087.0	000.9000	-0048.4	009.9	276.7	003.5000	0309.5	063.6	53.40	
088.0	000.9000	-0052.2	009.9	276.6	003.5000	0309.4	063.5	53.40	
089.0	000.9000	-0059.7	009.9	276.4	003.5000	0309.4	063.5	53.41	
090.0	000.9000	-0067.3	009.9	276.2	003.5000	0309.6	063.5	53.42	
091.0	000.9000	-0074.9	009.9	276.1	003.5000	0310.0	063.5	53.44	
092.0	000.9000	-0079.3	009.9	275.9	003.5000	0310.5	063.5	53.46	
093.0	000.9000	-0079.3	009.9	275.8	003.5000	0311.1	063.5	53.49	
094.0	000.9000	-0079.0	009.9	275.6	003.5000	0311.6	063.5	53.51	
095.0	000.9000	-0079.6	009.9	275.5	003.5000	0312.2	063.5	53.53	
096.0	000.9000	-0083.0	009.9	275.3	003.5000	0312.8	063.5	53.55	
097.0	000.9000	-0084.0	009.9	275.1	003.5000	0313.3	063.5	53.56	
098.0	000.9000	-0082.4	009.9	275.0	003.5000	0313.8	063.5	53.58	
099.0	000.9000	-0075.8	009.9	274.8	003.5000	0314.3	063.5	53.59	
100.0	000.9000	-0069.1	009.9	274.7	003.5000	0314.7	063.5	53.60	
101.0	000.9000	-0063.5	009.9	274.5	003.5000	0315.1	063.5	53.60	
102.0	000.9000	-0059.8	009.9	274.4	003.5000	0315.3	063.5	53.60	
103.0	000.9000	-0057.3	009.9	274.2	003.5000	0315.5	063.6	53.60	
104.0	000.9000	-0053.6	009.9	274.1	003.5000	0315.6	063.6	53.59	
105.0	000.9000	-0050.3	009.9	273.9	003.5000	0315.6	063.6	53.58	

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Exhibit 16-A1
Winchester, OR

106.0	000.9000	-0047.7	009.9	273.8	003.5000	0315.4	063.7	53.56
107.0	000.9000	-0044.5	009.9	273.6	003.5000	0315.3	063.7	53.54
108.0	000.9000	-0041.8	009.9	273.5	003.5000	0315.0	063.8	53.52
109.0	000.9000	-0039.1	009.9	273.3	003.5000	0314.7	063.8	53.49
110.0	000.9000	-0036.6	009.9	273.2	003.5000	0314.2	063.8	53.45
111.0	000.9000	-0034.4	009.9	273.0	003.5000	0313.7	063.9	53.42
112.0	000.9000	-0031.6	009.9	272.9	003.5000	0313.2	064.0	53.38
113.0	000.9000	-0030.0	009.9	272.7	003.5000	0312.7	064.0	53.34
114.0	000.9000	-0028.9	009.9	272.6	003.5000	0311.9	064.1	53.29
115.0	000.9000	-0028.1	009.9	272.4	003.5000	0311.0	064.1	53.23
116.0	000.9000	-0027.0	009.9	272.3	003.5000	0310.2	064.2	53.18
117.0	000.9000	-0024.9	009.9	272.1	003.5000	0309.4	064.3	53.13
118.0	000.9000	-0021.9	009.9	272.0	003.5000	0308.6	064.4	53.07
119.0	000.9000	-0018.8	009.9	271.9	003.5000	0307.8	064.4	53.01

Exhibit 16 - B

FMCommander Single Allocation Study - 01-11-2010 - NGDC 30 SEC
KLOV's Overlaps (In= 21.71 km, Out= 4.72 km)

KLOV CH 207 C3

Lat= 43 14 08.0, Lng= 123 19 18.0

3.5 kW 219.2 M HAAT, 488 M COR

Prot.= 60 dBu, Intef.= 54 dBu

1202827 CH 208 A BNPED20071018APY

Lat= 43 21 15.0, Lng= 124 14 30.0

0.04 kW 153 M HAAT, 207 M COR

Prot.= 60 dBu, Intef.= 54 dBu

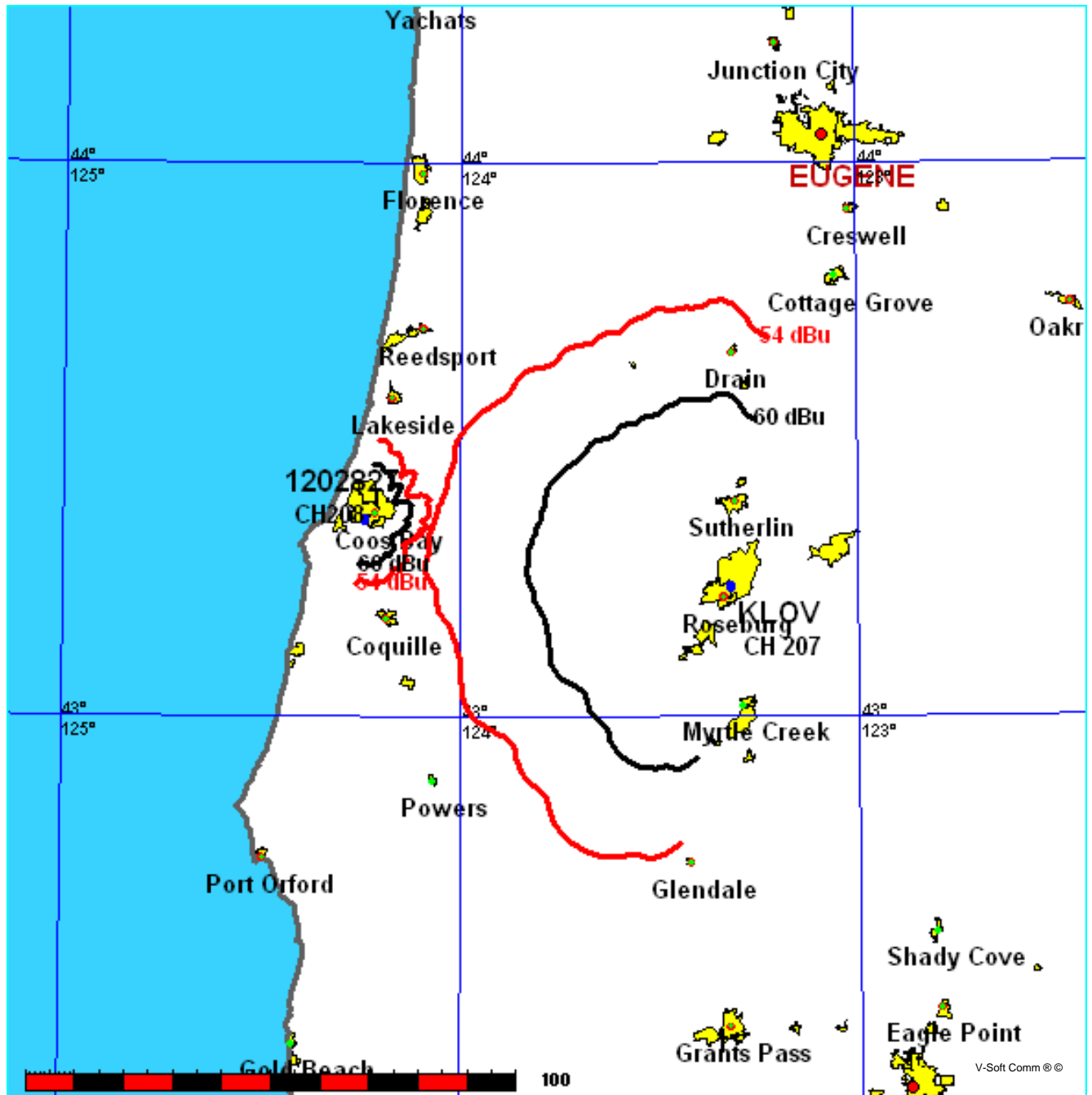


Exhibit 16 - C

FMCommander Single Allocation Study - 01-11-2010 - NGDC 30 SEC
KLOV's Overlaps (In= 25.17 km, Out= 11.19 km)

KLOV CH 207 C3

Lat= 43 14 08.0, Lng= 123 19 18.0

3.5 kW 219.2 M HAAT, 488 M COR

Prot.= 60 dBu, Intef.= 54 dBu

KLFR CH 206 A BLED20021126ABV

Lat= 43 43 21.0, Lng= 124 05 40.0

0.7 kW 109 M HAAT, 188 M COR

Prot.= 60 dBu, Intef.= 54 dBu

