

Channel Study

REFERENCE		CH# 225C3- 92.9 MHz, Pwr= 0.8 kW, HAAT=519.1M, COR= 1171 M								DISPLAY DATES	
42 32 28 N.		Average Protected F(50-50)= 39.2 km								DATA	02-25-06
122 41 01 W.		Ave. F(50-10) 40 dBu= 104.6 54 dBu= 60.5 80 dBu= 11.9 100 dBu= 1.9								SEARCH	02-28-06
CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*	
CITY		STATE	<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap in km)		
225A	AU062^	VAC	72.9	6.87	42 33 33	6.000	913	35.0	-119.71*	-114.11*	
Butte Falls		OR	253.0	RM9849	122 36 13	158	95.4	Butte Falls Radio			
226C	KKNU^	LIC DEN	348.1	165.90	44 00 04	100.000	792	87.2	2.09	26.36	
Springfield-eugene		OR	167.8	BLH19970925KF	123 06 45	507	130.2	Mckenzie River Broadcastin			
226C	RDEL^	DEL	348.1	165.90	44 00 04	100.000	800	87.6	1.32	25.88	
Springfield-eugene		OR	167.8		123 06 45	515	131.0	New Northwest Broadcasters			
225C3	KDCQ.C«	CP CX	306.0	156.05	43 21 15	4.500	213	23.5	36.49	22.91	
Coos Bay		OR	124.9	BPH20050307ABV	124 14 34	77	77.9	Bay Cities Building Compan			
225C3	KDCQ«	RSV	306.0	156.05	43 21 15	25.000	153	22.7	14.52	23.73	
Coos Bay		OR	124.9		124 14 34	17	99.8	Bay Cities Building Compan			
223C	KLADFM«	LIC CN	119.4	99.66	42 05 50	63.000	1988	91.4	71.94	6.60	
Klamath Falls		OR	300.1	BLH19891205KA	121 37 59	718	12.7	New Northwest Broadcasters			
225A	RADD«	ADD	306.0	156.05	43 21 15	6.000	153	15.8	46.05	30.65	
Coos Bay		OR	124.9		124 14 34	17	68.3	New Northwest Broadcasters			
278C1	KLDZ«	LIC CX	223.1	38.64	42 17 13	100.000	875	82.9	24.0R	14.6M	
Medford		OR	42.8	BLH20040927AFO	123 00 15	443	100.5	Citicasters Licenses, L.p.			
224A	KGBR«	LIC CN	263.9	139.11	42 23 50	0.265	727	7.2	83.17	63.44	
Gold Beach		OR	82.8	BLH19860716KF	124 21 50	-77	10.3	St. Marie Communications,			
226C	KXGO«	LIC CX	208.4	228.31	40 43 38	50.000	895	84.2	59.06	76.90	
Arcata		CA	27.6	BLH20040709ACA	123 58 22	586	124.6	Redwood Broadcasting Compa			
224C2	AU062«	VAC N	32.7	175.90	43 52 00	50.000	1546	60.4	53.65	64.85	
Sunriver		OR	213.5		121 30 00	235	88.9				
225A	AL225«	VAC	154.9	203.01	40 52 56	6.000	1283	45.2	50.69	48.73	
Burney		CA	335.6	RM10318	121 39 34	296	110.9	Corey J. Mccaslin			

ERP and HAAT on direct-line with reference station.

***affixed to 'IN' or 'Out' values = site inside protected contour.

« = Station meets FCC minimum distance spacing for its class.

^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements

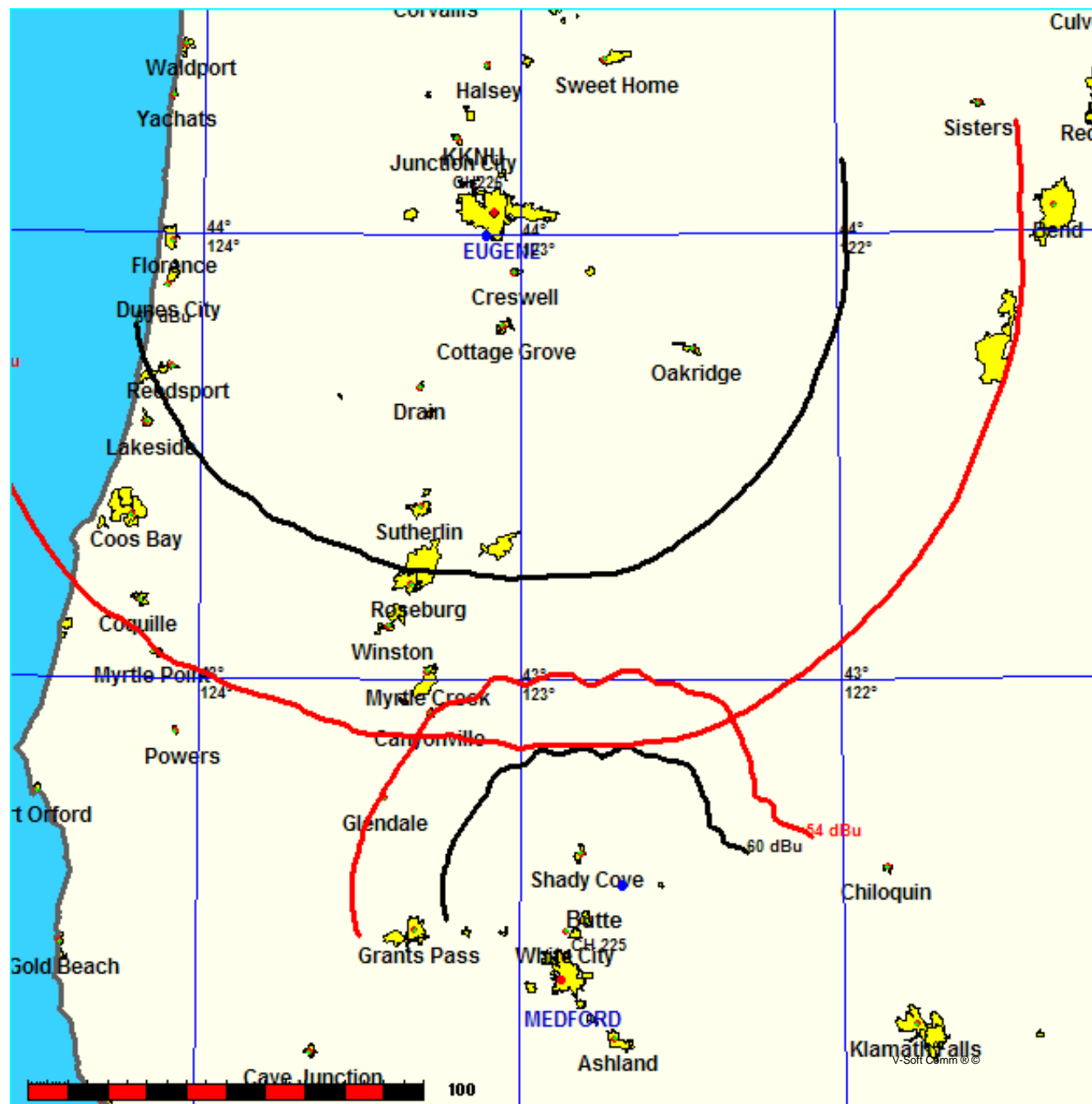
Exhibit 29-A

FMCommander Allocation Study
02-28-2006

Butte CH 225 C3
.8 kW 1171 M COR DA
Prot. = 60 dBu
Intef. = 54 dBu

KKNU CH 226 C BLH19970925KF
100 kW, 792 M COR DA
Prot. = 60 dBu
Intef. = 54 dBu

Scale = 1:2,500,000



KKNU vs. NEW.P

02-28-2006 30 Sec. Terrain Data

FMOver Analysis

NEW Butte Falls
 Channel = 225C3
 Max ERP = 0.8 kW
 RCAMSL = 1171 M
 N. Lat = 42 32 28
 W. Lng = 122 41 01
 Protected
 60 dBu

KKNU BLH19970925KF
 Channel = 226C
 Max ERP = 100 kW
 RCAMSL = 792 M
 N. Lat = 44 00 04
 W. Lng = 123 06 45
 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)
320.0	000.8000	0514.8	039.0	175.8	100.0000	0491.5	132.6	52.95
321.0	000.7998	0508.8	038.8	175.5	100.0000	0490.3	132.5	52.96
322.0	000.7995	0506.4	038.7	175.2	100.0000	0490.3	132.2	53.04
323.0	000.7993	0507.9	038.7	175.0	100.0000	0490.3	131.8	53.15
324.0	000.7991	0512.2	038.9	174.8	100.0000	0490.3	131.3	53.28
325.0	000.7988	0517.8	039.2	174.6	100.0000	0490.3	130.7	53.42
326.0	000.7986	0522.5	039.4	174.4	100.0000	0488.1	130.2	53.50
327.0	000.7983	0524.8	039.5	174.1	100.0000	0488.1	129.8	53.60
328.0	000.7981	0524.2	039.4	173.8	100.0000	0488.1	129.5	53.67
329.0	000.7979	0518.3	039.2	173.5	100.0000	0488.1	129.4	53.69
330.0	000.7976	0507.8	038.7	173.1	100.0000	0489.2	129.6	53.68
331.0	000.7652	0497.3	037.9	172.7	100.0000	0489.2	130.1	53.55
332.0	000.7334	0489.3	037.2	172.3	100.0000	0491.8	130.5	53.51
333.0	000.7022	0483.3	036.6	172.0	100.0000	0491.8	130.9	53.42
334.0	000.6718	0481.0	036.1	171.7	100.0000	0491.8	131.1	53.36
335.0	000.6420	0484.6	035.9	171.4	100.0000	0495.7	131.1	53.45
336.0	000.6129	0493.0	035.9	171.1	100.0000	0495.7	131.0	53.49
337.0	000.5845	0502.8	035.9	170.8	100.0000	0495.7	130.8	53.53
338.0	000.5567	0511.0	035.8	170.6	100.0000	0495.7	130.8	53.55
339.0	000.5297	0518.3	035.7	170.3	100.0000	0498.8	130.7	53.64
340.0	000.5033	0525.9	035.6	170.0	100.0000	0498.8	130.7	53.64
341.0	000.4828	0535.0	035.6	169.7	100.0000	0498.8	130.6	53.68
342.0	000.4627	0543.6	035.6	169.5	100.0000	0502.3	130.5	53.79
343.0	000.4431	0548.3	035.4	169.2	100.0000	0502.3	130.6	53.76
344.0	000.4239	0552.0	035.2	168.9	100.0000	0502.3	130.8	53.72
345.0	000.4051	0556.3	035.0	168.6	100.0000	0502.3	131.0	53.67
346.0	000.3867	0558.7	034.7	168.3	100.0000	0506.2	131.2	53.70
347.0	000.3688	0557.0	034.2	168.1	100.0000	0506.2	131.7	53.59
348.0	000.3513	0553.5	033.7	167.8	100.0000	0506.2	132.2	53.45
349.0	000.3342	0549.6	033.1	167.6	100.0000	0506.2	132.8	53.30
350.0	000.3175	0544.9	032.5	167.3	100.0000	0511.5	133.4	53.27
351.0	000.3175	0540.8	032.3	167.1	100.0000	0511.5	133.6	53.22
352.0	000.3175	0540.8	032.3	166.8	100.0000	0511.5	133.7	53.21
353.0	000.3175	0546.7	032.5	166.6	100.0000	0511.5	133.5	53.25
354.0	000.3175	0551.9	032.7	166.3	100.0000	0517.8	133.4	53.44
355.0	000.3175	0556.6	032.9	166.1	100.0000	0517.8	133.3	53.46
356.0	000.3175	0565.3	033.2	165.8	100.0000	0517.8	133.1	53.51
357.0	000.3175	0571.9	033.4	165.5	100.0000	0517.8	133.0	53.54
358.0	000.3175	0581.6	033.7	165.3	100.0000	0523.8	132.8	53.73
359.0	000.3175	0593.7	034.1	165.0	100.0000	0523.8	132.6	53.79
000.0	000.3175	0605.9	034.5	164.7	100.0000	0523.8	132.3	53.85
001.0	000.3175	0607.5	034.5	164.4	100.0000	0530.3	132.5	53.96
002.0	000.3175	0608.0	034.6	164.2	100.0000	0530.3	132.6	53.92
003.0	000.3175	0607.6	034.5	163.9	100.0000	0530.3	132.8	53.87

004.0	000.3175	0604.0	034.4	163.7	100.0000	0530.3	133.1	53.79
005.0	000.3175	0592.7	034.1	163.5	100.0000	0530.3	133.7	53.65
006.0	000.3175	0580.7	033.7	163.3	100.0000	0536.5	134.2	53.63
007.0	000.3175	0573.4	033.5	163.1	100.0000	0536.5	134.7	53.51
008.0	000.3175	0567.3	033.3	163.0	100.0000	0536.5	135.1	53.40
009.0	000.3175	0558.8	033.0	162.8	100.0000	0536.5	135.6	53.27
010.0	000.3175	0548.9	032.6	162.6	100.0000	0536.5	136.2	53.12
011.0	000.3342	0540.5	032.7	162.4	100.0000	0541.7	136.4	53.18
012.0	000.3513	0533.3	032.9	162.2	100.0000	0541.7	136.5	53.14
013.0	000.3688	0527.1	033.0	161.9	100.0000	0541.7	136.7	53.10
014.0	000.3867	0520.9	033.2	161.7	100.0000	0541.7	136.9	53.05
015.0	000.4051	0513.1	033.2	161.5	100.0000	0548.1	137.1	53.10
016.0	000.4239	0503.1	033.2	161.3	100.0000	0548.1	137.5	53.01
017.0	000.4431	0491.9	033.1	161.1	100.0000	0548.1	137.9	52.90
018.0	000.4627	0480.3	033.0	160.9	100.0000	0548.1	138.3	52.79
019.0	000.4828	0469.9	032.9	160.7	100.0000	0548.1	138.7	52.68
020.0	000.5033	0461.3	032.9	160.6	100.0000	0548.1	139.1	52.59
