

Channel Study															
Proposed 237 Ft Collins															
REFERENCE	CH#	237D	-	95.3	MHz,	Pwr=	0.01	kW,	HAAT=	0.0	M,	COR=	2078	M	DI SPLAY DATES
40 29 36 N						Average Protected F(50-50)=	3.15	km							DATA 07-19-03
105 10 52 W	Ave.	F(50-10)	40	dBu=	10.2	54	dBu=	4.4	80	dBu=	1.6	100	dBu=	.2	SEARCH 08-01-03
CH	CALL	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*				
CITY				<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)				
234C	KRKSFM	LIC	DCN	197.4	49.04	40 04 19	0.810	2442	36.5	44.55	12.52				
Lafayette		CO		17.4	BMLH19981009KC	105 21 14	453	0.0	Salem Medi a	Of Colorado, I					
To Channel 234C, Lafayette, CO per D96-64															
237D	AP237	APP	DE	159.4	30.06	40 14 24	0.002	1637	3.8	14.33	8.53				
Mead		CO		339.4	BNPFT20030312ACS	105 03 23	98	17.7	Educational	Communi cations					
237D	AP237	APP	C	103.9	42.22	40 24 04	0.250	1507	7.4	11.41<	9.01				
Evans		CO		283.9	BNPFT20030313BFO	104 41 54	33	25.8	Educational	Media Foundati					
236C	ALLO	USE		346.0	93.48	41 18 34	100.000	0	31.0	32.47	59.69				
Laramie		WY		166.0		105 27 11	-2586	2.8							
Coordinates updated from LIC record BLH831107AS															
236C	KCGY	LIC	CN	346.0	93.48	41 18 34	100.000	2726	57.1	4.92<	33.58				
Laramie		WY		166.0	BLH19831107AS	105 27 11	140	2.8	Clear Channel	Broadcasting					
239C	KFMD.A	APP	DCX	183.2	84.55	39 43 59	85.694	2256	80.4	70.22	4.15				
Denver		CO		3.2	BPH20030424AAN	105 14 10	430	0.0	Citi casters	Licenses, L.p.					
239C	ALLO	USE		183.2	84.55	39 43 59	100.000	0	31.0	78.50	53.55				
Denver		CO		3.2		105 14 10	-1826	0.0							
Coordinates updated from LIC record BMLH850717Z2															
239C	KFMD	LIC	DEN	183.2	84.55	39 43 59	21.351	2259	65.7	74.37	18.83				
Denver		CO		3.2	BMLH19850717Z2	105 14 10	433	0.0	Citi casters	Licenses, L.p.					
HAAT DETERMINED BY ONLY 4 RADIALS.															
239C	KFMD.A	APP	DCX	183.2	84.55	39 43 59	85.694	2256	80.4	70.22	4.15				
Denver		CO		3.2	BPH20030424AAN	105 14 10	430	0.0	Citi casters	Licenses, L.p.					
236C	KCGY.A	APP	DCX	346.0	91.01	41 17 17	21.137	2724	45.2	21.88	43.00				
Laramie		WY		166.0	BPH20030602ACW	105 26 42	155	2.8	Clear Channel	Broadcasting					
234C	ALLO	USE		196.0	94.36	39 40 35	100.000	0	31.0	88.64	63.36				
Lafayette		CO		16.0		105 29 09	-2631	0.0							
Change of Communi ty from Boulder, CO.															
234C	KRKSFM	CP	CX	196.0	94.40	39 40 33	100.000	3280	93.7	77.57	0.67				
Lafayette		CO		16.0	BPH20001222ABW	105 29 07	649	0.0	Salem Medi a	Of Colorado, I					
237D	AP237	APP	DE	191.1	82.31	39 45 57	0.000	2509	0.0	79.69	69.02				
Gol den		CO		11.1	BNPFT20030312AGV	105 21 59	-57	13.3	Educational	Communi cations					
237D	AP237	APP	C	159.6	86.09	39 45 59	0.001	1643	2.6	74.08	65.75				
Denver		CO		339.6	BNPFT20030317AZZ	104 49 48	65	17.7	Hori zon	Chri sti an Fel lowsh					
236D	AP236	APP	DE	106.9	39.82	40 23 19	0.019	1528	4.3	28.32	26.45				
Wi ndsor		CO		286.9	BNPFT20030312AXC	104 43 56	41	9.1	Educational	Communi cations					
237D	AP237	APP	C	103.2	129.83	40 13 02	0.205	1399	10.9	86.58	92.51				
Fort Morgan		CO		283.2	BNPFT20030317DDR	103 41 46	78	26.4	Edgewater	Broadcasting Inc					
238C3	ALLO	VAC		59.6	114.18	41 00 23	25.000	0	22.7	65.98	72.04				
Pi ne Bl uffs		WY		239.6	RM10098	104 00 34	-1627	19.5							
234D	K234AH	LIC	DC	14.5	75.20	41 08 55	0.014	2019	3.4	66.67	71.66				
Cheyenne		WY		194.5	BLFT20010717AAQ	104 57 22	11	0.1	Western Inspirational	Broa					
237D	K237BI	LIC	DCN	211.1	133.22	39 27 50	0.018	3726	12.8	87.33	108.48				
Breckenridge, Etc.		CO		31.1	BLFT19860130TC	105 58 56	358	12.0	Sal is bury	Broadcasting Col					
TRANSLATOR FOR KOMT, EAGLE, CO.															
237D	AP237	APP	C	135.8	137.49	39 36 07	0.115	1721	11.8	94.45	109.87				
Deer Trail		CO		315.8	BNPFT20030312ARL	104 03 46	124	15.8	Frank G. Mccoy						
237D	AP237	APP	C	135.8	137.49	39 36 07	0.115	1721	11.8	94.45	109.87				
Deer Trail		CO		315.8	BNPFT20030312ARL	104 03 46	124	15.8	Frank G. Mccoy						

ERP and HAAT are on direct line to and from reference station. "<" = Contour Overlap

Contour.out

Terrain and Contour Study

N. Lat. = 40 29 36 W. Lng. = 105 10 52

HAAT and Distance to Contour - FCC Method - 03 Arc Sec.

20030312AEH

Azi .	AV EL	HAAT	ERP kW	dBk	Field	60-F5	100-F1
000	1739.7	338.3	0.0007	-31.26	0.273	4.63	0.06
030	1582.8	495.2	0.0065	-21.86	0.807	11.08	0.18
060	1551.3	526.7	0.0094	-20.25	0.971	12.59	0.22
090	1535.0	543.0	0.0036	-24.38	0.604	9.46	0.13
120	1566.6	511.4	0.0002	-36.12	0.156	3.18	0.03
150	1588.8	489.2	0.0003	-35.32	0.171	3.44	0.04
180	1625.8	452.2	0.0002	-36.34	0.152	3.07	0.03
210	1806.8	271.2	0.0002	-36.48	0.150	2.78	0.03
240	1961.3	116.7	0.0003	-34.59	0.186	2.50	0.04
270	2140.2	-62.2	0.0002	-37.87	0.128	1.61	0.03
300	1914.7	163.3	0.0003	-34.87	0.181	2.77	0.04
330	1884.0	194.0	0.0002	-36.59	0.148	2.56	0.03

Ave EI = 1741.42 M HAAT= 336.58 M AMSL= 2078

Channel Study  
Proposed 237 Ft Collins vs KCGY

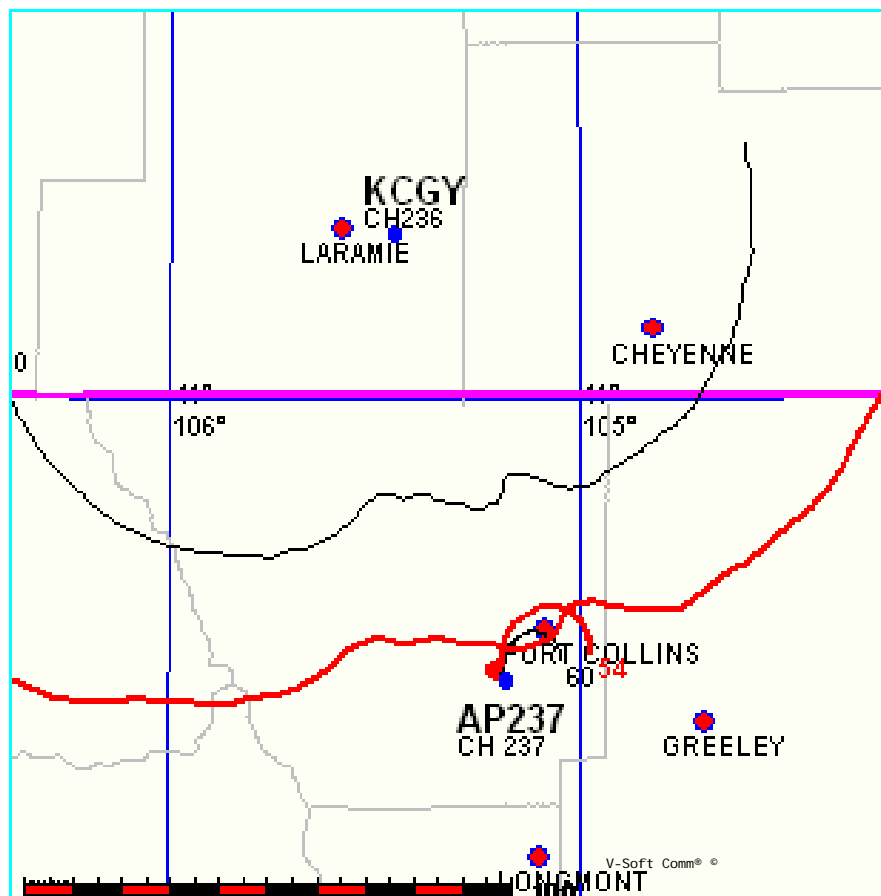
FMCONT Allocation Study

08-01-2003

AP237 CH 237 D  
.01 kW 2078M COR DA  
Prot. = 60 dBu  
Intef. = 54 dBu

KCGY CH 236 C  
100kW, 2726 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu  
File # BLH19831107AS

1: 1, 648, 438



Channel Study  
Proposed 237 Ft Collins vs AP237 Evans

FMCONT Allocation Study

08-01-2003

AP237 CH 237 D  
.01 kW 2078M COR DA  
Prot. = 60 dBu  
Intef. = 40 dBu

AP237 CH 237 D  
.25kW, 1507 M COR  
Prot. = 60 dBu  
Intef. = 40 dBu  
File # BNPFT20030313BFO

1: 437, 500

