

Engineering Statement Regarding Second &/or Third Adjacent Channel Interference

This application proposes an FM translator that will, according to the FCC Rules cause interference to facilities on either or both of the second or third adjacent channels in the area immediately surrounding the proposed FMT site.

It either or both cases, the applicant will demonstrate with map diagrams and/or text descriptions that demonstrate that the interference, while predicted, will not cause actual interference.

The applicant hereby requests a waiver of section 73.1204 of the rules based on paragraph 73.1204(d) of the rules, in that the proposed area of interference is uninhabited and/or unpopulated and thus will there not cause any actual interference.

Further, the applicant hereby requests that the Commission allow the applicant to calculate and demonstrate the area of interference using the well established principles of Undesirable/Desirable signal ratio of 40 dBu, as outlined in section 73.215(2) of the rules.

In making these requests, the applicant submits that by granting them, the Commission would allow additional service that would otherwise not be permitted, and that are in conformity with the Commission's rules. The public interest would thus be served.

Channel Study											
Proposed 288 Lakewood											
Pwr= 0.011 kW, HAAT=0.0 M, COR= 2509 M											
Average Protected F(50-50)= 3.23 km											
Ave. F(50-10) 40 dBu= 10.4 54 dBu= 4.5 80 dBu= 1.6 100 dBu= .2											
DISPLAY DATES											
DATA 07-19-03											
SEARCH 08-03-03											
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)
290C Denver	KALC	LIC CO	DCY	108.2 288.2	11.70 BMLH19860130KC	39 43 59 105 14 12	5.255 20	2293 0.2	15.2 Entercom	-3.12*<	-3.73*<
290C Denver	ALLO	USE CO		108.2 288.2	11.70 BMLH860130KC	39 43 59 105 14 12	100.000 -2273	0 0.2	31.0	-4.76*<	-19.50*<
Coordinates updated from LIC record											
290C Denver	KALC. A	APP CO	CY	108.2 288.2	11.80 BMPH20020927AAT	39 43 58 105 14 08	100.000 24	2292 0.2	31.0 Entercom	-4.66*<	-19.40*<
290C Denver	KALC. C	CP CO	DC	108.2 288.2	11.80 BPH20020409AAF	39 43 58 105 14 08	5.255 17	2285 0.2	15.2 Entercom	-3.02*<	-3.63*<
286C Denver	KXKLFM	LIC CO	CN	143.9 323.9	22.80 BLH19901023KB	39 36 00 105 12 35	100.000 192	2448 0.2	63.0 Infinity	4.86	-40.45*<
286C Denver	ALLO	USE CO		143.9 323.9	22.80 RM BLH860925KH	39 36 00 105 12 35	100.000 -2256	0 0.2	31.0	9.75	-8.40*<
Coordinates updated from LIC record											
288C1 Security	KSKX. A	APP CO	NC	158.9 338.9	121.48 BPH20010806ABB	38 44 40 104 51 41	11.000 776	2932 31.7	75.0 Optima	-50.35<	14.76
288C2 Laramie	KIMX. A	APP WY	NCX	2.0 182.0	94.62 BPH20030627ABM	40 37 03 105 19 40	7.700 343	2560 10.4	50.5 Laramie	-30.61<	33.73
288D Niwot	AP288	APP CO	DE	26.5 206.5	58.93 BNPFT20030312ADJ	40 14 24 105 03 23	0.066 108	1637 23.6	9.7 Educational	19.38	25.68
288C1 Security	ALLO	RSV CO		159.3 339.3	126.95	38 41 45 104 50 52	100.000 -2365	0 31.7	31.0	-13.30<	64.29
288C2 Timnath	RADD<	ADD CO		5.7 185.7	108.94	40 44 31 105 14 15	50.000 -1894	0 10.4	26.5	-9.32<	72.03
288C2 Laramie	ALLO<	RSV WY		5.7 185.7	108.94 RMBG-59	40 44 31 105 14 15	50.000 -1894	0 10.4	26.5	-9.32<	72.03
286D Boulder	KXKLF1	LIC CO	DC	31.2 211.2	25.28 BLFTB20030502ABA	39 57 37 105 12 46	0.001 -269	1762 0.2	1.8 Infinity	17.00	23.23
288C3 Security	ALLO	USE CO		158.9 338.9	121.48	38 44 40 104 51 41	25.000 -2156	0 31.7	22.7	12.09	67.12
288C3 Security	KSKX	LIC CO	CN	158.9 338.9	121.48 BLH19910829KF	38 44 40 104 51 41	0.410 778	2934 31.7	42.0 Optima	3.18	47.76
288D Vail, Etc.	K288DA	LIC CO	DVN	260.2 80.2	94.36 BLFT19950418TB	39 36 58 106 26 57	0.076 -225	2736 21.6	5.3 Ben F. Stinson, III	70.73	67.50
Translator For KFMU, Oak Creek, CO- Vertical Polarization Only											
288C2 Laramie	ALLO	USE WY		352.0 172.0	145.47	41 03 46 105 36 31	50.000 -2602	0 10.4	26.5	27.21	108.56
288C2 Laramie	KIMX. C	CP WY	CX	352.0 172.0	145.47 BPH20001128ABB	41 03 46 105 36 31	25.000 -1	2601 10.4	22.7 Laramie	42.40	112.40
Laramie Mountain Broadcast											

***Affixed to 'IN' or 'Out' values = site inside protected contour.
 ERP and HAAT are on direct line to and from reference station.
 "<" = Station meets FCC minimum distance spacing for its class. "<" = Contour Overlap

Channel Study
Proposed 288 Lakewood vs KIMX.A

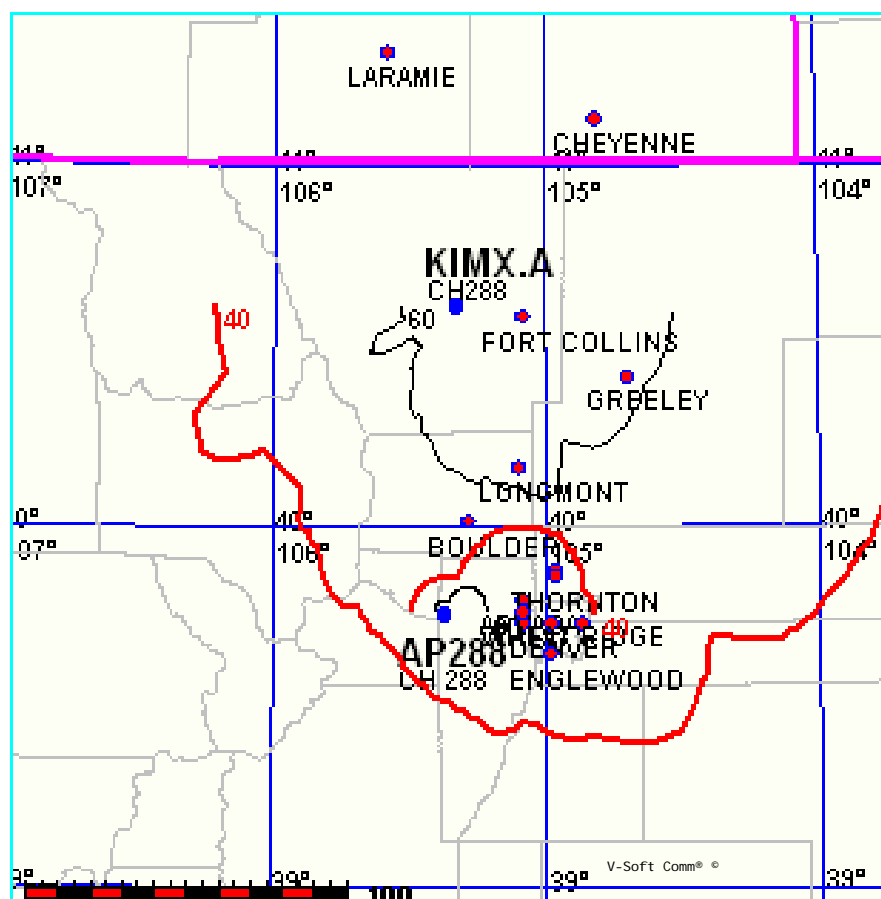
FMCONT Allocation Study

08-03-2003

AP288 CH 288 D
.011 kW 2509M COR
Prot. = 60 dBu
Intef. = 40 dBu

KIMX.A CH 288 C2
7.7kW, 2560 M COR
Prot. = 60 dBu
Intef. = 40 dBu
File # BPH20030627ABM

1: 2, 500, 000



Channel Study
Proposed 288 Lakewood vs KSKX.A

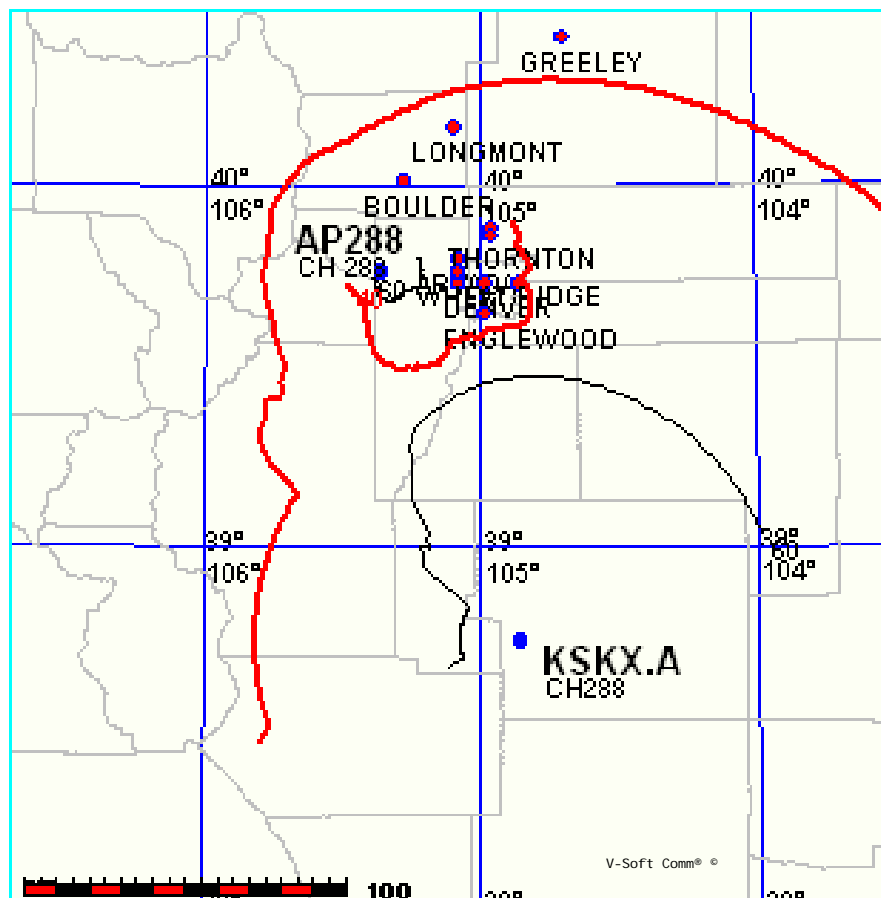
FMCONT Allocation Study

08-03-2003

AP288 CH 288 D
.011 kW 2509M COR
Prot. = 60 dBu
Intef. = 40 dBu

KSKX.A CH 288 C1
11kW, 2932 M COR
Prot. = 60 dBu
Intef. = 40 dBu
File # BPH20010806ABB

1: 2, 500, 000



Terrain and Contour Study

N. Lat. = 39 45 57 W. Lng. = 105 21 59

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

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	100-F1
000	2583.5	-74.5	0.0110	-19.59	1.000	3.23	0.23
030	2325.6	183.4	0.0110	-19.59	1.000	8.07	0.23
060	2074.7	434.3	0.0110	-19.59	1.000	12.28	0.23
090	2010.8	498.2	0.0110	-19.59	1.000	12.90	0.23
120	2155.8	353.2	0.0110	-19.59	1.000	11.23	0.23
150	2236.4	272.6	0.0110	-19.59	1.000	9.90	0.23
180	2329.1	179.9	0.0110	-19.59	1.000	7.99	0.23
210	2564.1	-55.1	0.0110	-19.59	1.000	3.23	0.23
240	2645.6	-136.6	0.0110	-19.59	1.000	3.23	0.23
270	2571.7	-62.7	0.0110	-19.59	1.000	3.23	0.23
300	2710.0	-201.0	0.0110	-19.59	1.000	3.23	0.23
330	2766.7	-257.7	0.0110	-19.59	1.000	3.23	0.23

Ave El= 2414.51 M HAAT= 94.49 M AMSL= 2509

EXHIBIT 12b

Demonstration of No Population

in 100 dBu Interference Contour

