

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 260 Arvada										
REFERENCE	CH#	260D	-	99.9 MHz,	Pwr=	0.013 kW,	HAAT=	0.0 M,	COR=	2509 M
39 45 57 N				Average Protected F(50-50)=	3.36 km					DISPLAY DATES
105 21 59 W	Ave.	F(50-10)	40 dBu=	10.8	54 dBu=	4.8	80 dBu=	1.6	100 dBu=	.3
										DATA 07-12-03
										SEARCH 07-12-03
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)	
258C KQMT Denver	LIC DC CO	109.9 289.9	11.97 BLH20020118AAT	39 43 45 105 14 06	4.795 9	9 0.1	14.8 Entercom Denver License, L	1.48<	-3.00*<	
262C KIMN Denver	LIC DCY CO	129.9 309.9	16.34 BLH19960205KA	39 40 18 105 13 12	100.000 109	109 0.0	52.4 Infinity Radio Operations	6.72<	-36.15*<	
260D AP260 Arvada	APP DE CO	0.0 180.0	0.00 BNPFT20030312AHC	39 45 57 105 21 59	0.000 180	180 4.0	2.8 Educational Communications	-11.86*<	-6.79*<	
260C KUUU Pueblo	LIC CY CO	158.9 338.9	121.36 BLH19990311KF	38 44 44 104 51 42	79.000 768	768 12.5	95.7 Capstar Tx Limited Partner	-84.73<	13.24	
260D K206DB Fort Collins, Etc. Translator for KGNU, Boulder, CO-	LIC DCN CO	10.9 190.9	82.30 BLFT19921023TA	40 29 36 105 10 53	0.001 415	415 5.1	5.6 Boulder Community B/cast A	57.73	71.53	
262D KIMNF1 Boulder	LIC DC CO	31.2 211.2	25.28 BLFTB20030502AAZ	39 57 37 105 12 46	0.001 -269	-269 0.1	1.5 Infinity Radio Operations	18.76	23.62	
260D AP260 Vail	APP C CO	258.4 78.4	87.03 BNPFT20030317MUP	39 36 17 106 21 33	0.010 270	270 10.4	9.6 Mary Medi cus	52.19	66.99	
260D AP260 Vail	APP DV CO	261.4 81.4	93.77 BNPFT20030314CJZ	39 38 05 106 26 47	0.055 252	252 8.7	14.1 Cimarron Communications Co	44.35	71.01	
260C2 KKPL« Cheyenne	LIC C WY	10.6 190.6	138.29 BMLH20010426AAK	40 59 22 105 03 47	50.000 325	325 5.1	67.2 Agm-nevada LI c	-21.23<	66.01	
257D K257CS Dillon TRANSLATOR FOR KSKE, VAIL, CO.	LIC CN CO	254.5 74.5	62.44 BLFT19990205TL	39 36 50 106 04 02	0.035 -469	-469 0.0	4.3 Agm-rocky Mountai n Broadca	59.10	58.10	
258D AP258 Breckenridge	APP DC CO	242.3 62.3	64.31 BNPFT20030313AMM	39 29 44 106 01 44	0.000 -156	-156 0.0	1.2 Educational Communi cati ons	62.69	63.10	
258D AP258 Estes Park	APP DE CO	354.8 174.8	72.97 BNPFT20030313AOJ	40 25 13 105 26 39	0.001 257	257 0.0	4.4 Educational Communi cati ons	71.30	68.49	

***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

Terrain and Contour Study

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

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

AP245 , Educational Communications Of, BNPFT20030312AHF

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	100-F1
000	2583.5	-74.5	0.0003	-35.62	0.145	1.61	0.04
030	2325.6	183.4	0.0042	-23.80	0.566	6.25	0.14
060	2074.7	434.3	0.0120	-19.20	0.962	12.57	0.24
090	2010.8	498.2	0.0091	-20.41	0.836	12.23	0.21
120	2155.8	353.2	0.0012	-29.28	0.301	5.55	0.08
150	2236.4	272.6	0.0003	-35.63	0.145	2.99	0.04
180	2329.1	179.9	0.0004	-33.57	0.184	3.16	0.05
210	2564.1	-55.1	0.0002	-36.89	0.125	1.61	0.03
240	2645.6	-136.6	0.0004	-33.55	0.184	1.61	0.05
270	2571.7	-62.7	0.0003	-35.05	0.155	1.61	0.04
300	2710.0	-201.0	0.0003	-35.56	0.146	1.61	0.04
330	2766.7	-257.7	0.0004	-33.94	0.176	1.61	0.04

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

Channel Study
Proposed 260 Arvada vs KVUU

FMCONT Allocation Study

07-12-2003

AP260 CH 260 D
.013 kW 2509M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

KVUU CH 260 C
79kW, 2922 M COR
Prot. = 60 dBu
Intef. = 40 dBu

1: 437, 500

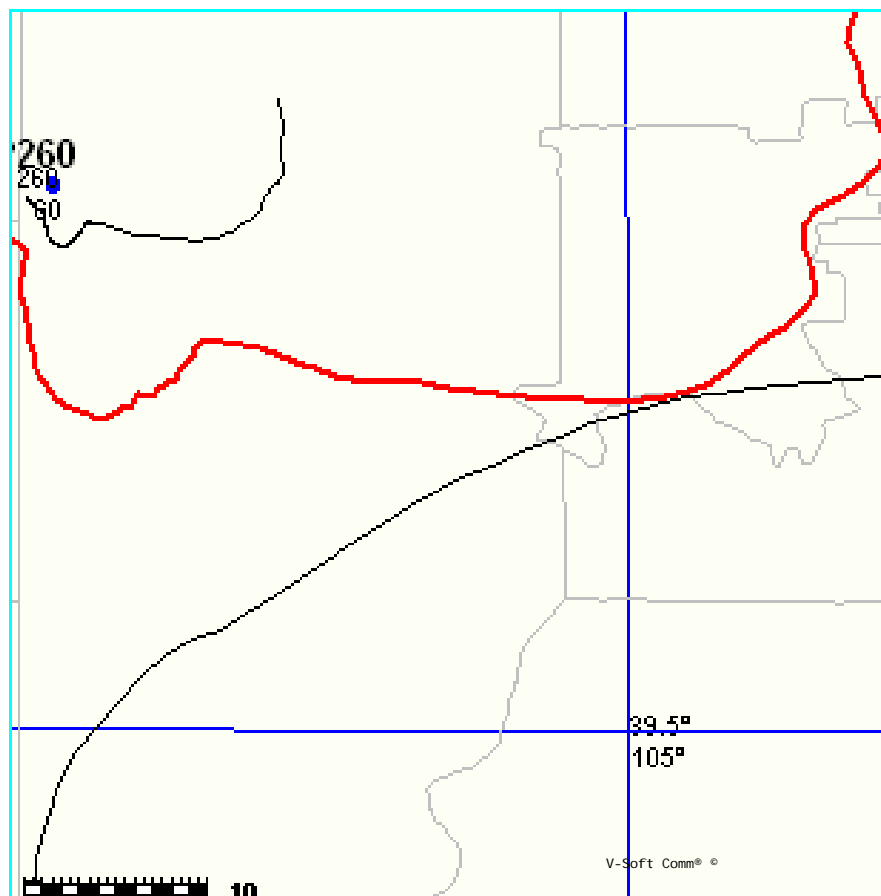


EXHIBIT 12b

Demonstration of No Population in 100 dBu Interference Contour

