

## Engineering Statement Regarding Second &/or Third Adjacent Channel Interference

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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 vs KCCY											
REFERENCE 39 45 57 N 105 21 59 W		CH# 245D - 96.9 MHz, Pwr= 0.013 kW, HAAT=0.0 M, COR= 2509 M Average Protected F(50-50)= 3.36 km								DISPLAY DATES DATA 06-28-03 SEARCH 07-12-03	
		Ave. F(50-10) 40 dBu= 10.8 54 dBu= 4.8 80 dBu= 1.6 100 dBu= .3									
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (Overlap in km)	
243C Evergreen	KXPK	LIC CN CO	225.8 45.8	14.27 BLH19940701KC	39 40 35 105 29 09	100.000 776	776 0.0	98.7 Entravision Holdings, LLC	-3.42<	-84.43*<	
247C Boulder	KBCOFM	LIC DEY CO	21.1 201.1	17.56 BMLH19960506KA	39 54 48 105 17 32	97.795 148	148 0.1	58.0 Citicasters Licenses, L.p.	7.36<	-40.57*<	
245D Arvada	AP245	APP DE CO	0.0 180.0	0.00 BNPFT20030312AHF	39 45 57 105 21 59	0.000 180	180 4.0	2.8 Educational Communications	-11.86*<	-6.79*<	
245C Pueblo	KCCY	LIC CY CO	158.9 338.9	121.40 BLH19940217KC	38 44 43 104 51 41	72.000 792	792 12.5	95.5 Capstar Tx Limited Partner	-84.02<	13.44	
245C Pueblo	KCCY.C	CP CX CO	158.9 338.9	121.41 BPH20000724ABL	38 44 43 104 51 39	40.000 793	793 12.5	89.3 Capstar Tx Limited Partner	-70.43<	19.68	
245D Fort Collins	AP245	APP C CO	11.0 191.0	82.31 BNPFT20030317JQH	40 29 36 105 10 52	0.050 410	410 5.1	17.6 Regent Broadcasting Of Ft.	22.53	59.59	
245D Loveland	AP245	APP DE CO	11.0 191.0	82.31 BNPFT20030312AEP	40 29 36 105 10 52	0.002 413	413 5.1	7.4 Educational Communications	53.12	69.82	
243D Boulder	KXPKF1	LIC DCN CO	31.2 211.2	25.33 BLFTB19950119TD	39 57 38 105 12 44	0.001 -273	-273 0.1	1.7 Entravision Holdings, LLC	18.79	23.53	
245D Kersey	AP245	APP DE CO	37.7 217.7	87.79 BNPFT20030312AWU	40 23 19 104 43 56	0.000 90	90 28.1	2.3 Educational Communications	71.74	57.32	
245D Omega	AP245	APP C CO	9.4 189.4	87.86 BNPFT20030317AZN	40 32 47 105 11 50	0.010 505	505 4.9	12.6 Horizon Christian Fellowsh	40.75	70.38	
245D Fort Collins	AP245	APP C CO	15.0 195.0	94.04 BNPFT20030317BNO	40 35 00 105 04 41	0.250 3	3 5.7	7.1 Educational Media Foundati	68.43	81.21	
245D Fort Collins, Etc.	K206DB	APP C CO	23.2 203.2	98.70 BMJPFT20030312AO	40 34 53 104 54 20	0.205 93	93 12.2	11.8 Boulder Community Broadcas	54.26	74.62	
245D Wellington	AP245	APP C CO	19.4 199.4	107.79 BNPFT20030317DAZ	40 40 50 104 56 32	0.028 290	290 6.4	12.8 Radio Assist Ministry Inc.	62.98	88.58	
245C2 Steamboat Springs	KBCRFM	LIC H CO	302.0 122.0	148.17 BMLH20010118ACB	40 27 43 106 50 57	27.500 26	26 4.1	23.2 Kbcr, Inc.	44.65	120.86	
247D Silverthorne	AP247	APP DH CO	254.5 74.5	62.44 BNPFT20030317GIY	39 36 50 106 04 02	0.010 -477	-477 0.0	3.1 Cool Radio, LLC	59.29	59.28	
248D Silverthorne	K248AP	LIC H CO	254.5 74.5	62.44 BLFT20010713ABO	39 36 50 106 04 02	0.105 -469	-469 0.0	5.7 Salisbury Broadcasting Col	58.79	56.69	
247D Silverthorne	K248AP	CP CN CO	254.5 74.5	62.44 BPFT19970512TC	39 36 50 106 04 02	0.105 -469	-469 0.0	5.7 Salisbury Broadcasting Col	58.79	56.69	
Translator for KTUNFM, Eagle, CO											

\*\*\*Affixed to 'IN' or 'Out' values = site inside protected contour.  
ERP and HAAT are on direct line to and from reference station. "<" = 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 vs KCCY

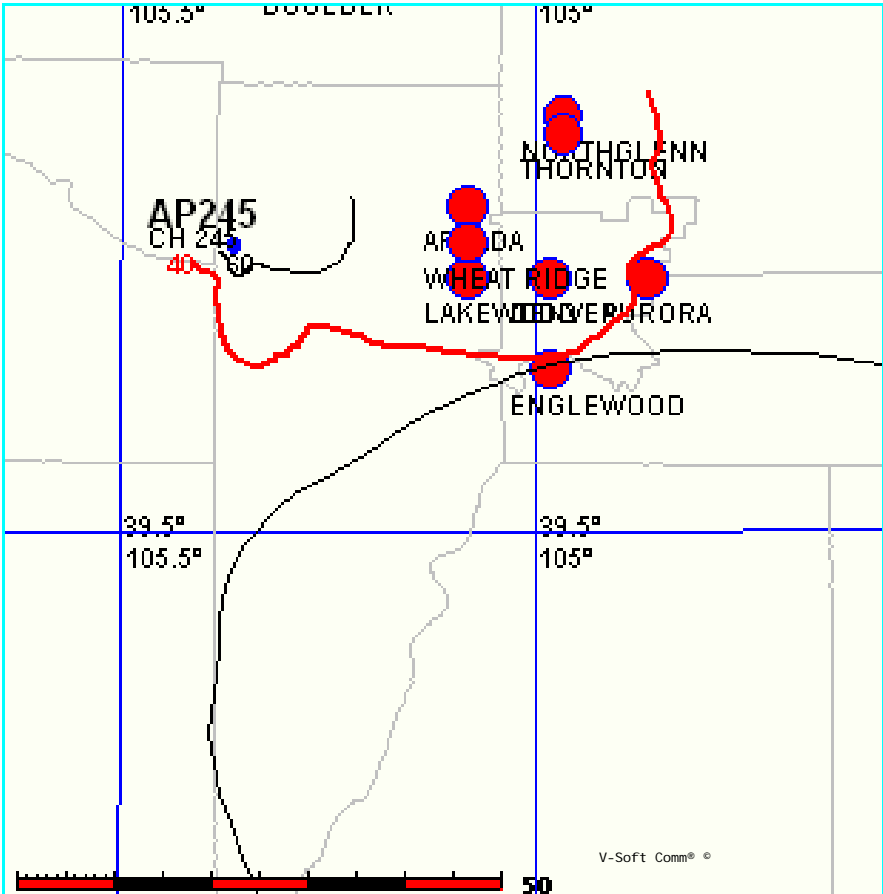
FMCONT Allocation Study

07-12-2003

AP245 CH 245 D  
.013 kW 2509M COR DA  
Prot. = 60 dBu  
Intef. = 40 dBu

KCCY CH 245 C  
72kW, 2946 M COR  
Prot. = 60 dBu  
Intef. = 40 dBu

1: 828, 125



# EXHIBIT 12b

## Demonstration of No Population

### in 100 dBu Interference Contour

