

Channel 6 Study K219DA --> 216										
REFERENCE 40 27 16 N 106 44 34 W		CH# 216D - 91.1 MHz, Pwr= 0.2 kW, HAAT=529.0 M, COR= 3168 M Average Protected F(50-50)= 28.41 km Ave. F(50-10) 40 dBu= 84.7 54 dBu= 44.2 80 dBu= 7.6 100 dBu= 1.0							DISPLAY DATES DATA 08-30-03 SEARCH 08-30-03	
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*
219C3 Sidney	971014	CP CX CO	275.3 95.3	9.09 BPED19971014MB	40 27 43 106 50 58	2.500 -278	2530 1.0	12.7 Educational	-31.15*<	-4.55*<
219D Steamboat Springs Translator for WWFM, Trenton, NJ.-	K219DA	LIC DHN CO	0.0 180.0	0.00 BLFT19970404TK	40 27 16 106 44 34	0.001 346	3168 0.2	5.2 West Slope Fm	-9.64*<	-5.43*<
214D Wal den TRANSLATOR FOR KUNCFM, GREELEY, CO.	K214AW	LIC DHN CO	161.4 341.4	11.72 BLFT19890321TE	40 21 16 106 41 55	0.001 402	3236 0.1	5.4 Community Radio For Northe	5.73	6.19
214D Steamboat Springs	K214AK	LIC DHN CO	161.4 341.4	11.72 BLFT19870803TD	40 21 16 106 41 55	0.056 402	3236 0.1	17.9 Trustees Of The Uni v Of No	5.27	-6.32*<
216C Morrison	KLDV	LIC DCN CO	125.6 305.6	161.64 BLED19860908KB	39 36 00 105 12 35	21.623 223	2448 20.5	51.7 Educational	27.71	89.46
216C0 Morrison	KLDV.C	CP EN CO	125.6 305.6	161.64 BPED20010601AGJ	39 36 00 105 12 35	100.000 236	2461 20.5	67.1 Educational	-10.04<	74.04
217C3 Gypsum	980417	CP CN CO	176.4 356.4	88.88 BPED19980417MC	39 39 20 106 40 39	0.800 557	2843 14.6	40.9 Colorado Christian Univers	15.51	33.41
270D Craig	AP270	APP DC CO	279.2 99.2	47.50 BNPFT20030313AMZ	40 31 16 107 17 46	0.000 240	2246 42.2	0.0 Educational	3.2R	44.3M
216D Meeker Translator for KPRN, Grand Junction, CO	K216BP	LIC DHN CO	246.0 66.0	111.14 BLFT19900814TA	40 02 35 107 56 01	0.021 146	2290 99.9	8.5 Public Broadcasting Of Col	46.39	2.74
270D Wal den	AP270	APP C CO	51.9 231.9	49.61 BNPFT20030814AEX	40 43 43 106 16 48	0.250 -83	2415 5.6	7.1 Educational	3.2R	46.4M
270D Wal den	AP270	APP DC CO	51.9 231.9	49.61 BNPFT20030317HEU	40 43 43 106 16 48	0.016 -83	2415 5.6	3.5 Educational	3.2R	46.4M
216D Cardi ff	K216ES	LIC C CO	206.7 26.7	114.41 BLFT20020501AAK	39 31 58 107 20 30	0.014 -429	2283 61.1	3.4 Make A Di fference Foundati	86.80	49.90
215C0 Chugwater	KLWV.C	CP CN WY	48.3 228.3	144.42 BPED19980825MB	41 18 39 105 27 12	100.000 451	2731 7.7	83.5 Colorado Christian Univers	15.29	53.25
269C1 Eagle	RADD	ADD CO	190.0 10.0	78.96	39 45 15 106 54 13	100.000 -2510	0 12.0	31.0	22.0R	57.0M
269C1 Eagle	ALLO	RSV CO	190.0 10.0	78.96	39 45 15 106 54 13	100.000 -2510	0 12.0	31.0	22.0R	57.0M
269C1 Eagle	RADD	ADD CO	190.0 10.0	78.96	39 45 15 106 54 13	100.000 -2510	0 12.0	31.0	22.0R	57.0M
269C1 Eagle	ALLO	RSV CO	190.0 10.0	78.96	39 45 15 106 54 13	100.000 -2510	0 12.0	31.0	22.0R	57.0M
269C1 Eagle	KTUN.A	APP ZCX CO	183.5 3.5	79.66 BPH20020813ABK	39 44 18 106 47 58	11.800 508	3171 11.2	64.5 Salisbury Broadcasting Col	22.0R	57.7M
269C1 Eagle	KTUN.A	APP ZCX CO	183.5 3.5	79.66 BPH20020813ABK	39 44 18 106 47 58	11.800 508	3171 11.2	64.5 Salisbury Broadcasting Col	22.0R	57.7M
215D Craig	K215BS	LIC DCN CO	279.7 99.7	74.53 BLFT19920303TC	40 33 51 107 36 37	0.012 333	2292 58.8	11.2 Educational	19.47	4.58
216D Aspen TRANSLATOR FOR KAJX, ASPEN, CO.	K216BF	LIC HN CO	182.5 2.5	137.07 BLFT19890224TJ	39 13 16 106 48 47	0.019 244	3185 38.2	10.7 Pitkin County Translator D	89.99	88.15
06NT Encampment	K06BR	LI DHN WY	0.5 180.5	92.36 BLTTV3558	41 17 10 106 44 00	0.005 80	2390 169.3	9.3 Elk Mountain Tv Co.	To Grd B=	83.11

***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. = 40 27 16 W. Lng. = 106 44 34

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

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	40-F1	100-F1	105.9-F1
000	2931.6	236.4	0.0106	-19.76	0.230	9.12	30.31	0.23	0.12
030	3022.2	145.8	0.0001	-39.03	0.025	1.92	7.39	0.02	0.01
060	2906.8	261.2	0.0026	-25.78	0.115	6.48	22.60	0.11	0.06
090	2902.5	265.5	0.0045	-23.47	0.150	7.64	25.94	0.15	0.08
120	2909.6	258.4	0.0026	-25.78	0.115	6.45	22.48	0.11	0.06
150	2920.3	247.7	0.0001	-39.03	0.025	2.19	9.74	0.02	0.01
180	2823.6	344.4	0.0106	-19.76	0.230	10.98	36.93	0.23	0.12
210	2266.7	901.3	0.0125	-19.03	0.250	17.66	63.56	0.25	0.13
240	2154.6	1013.4	0.1186	-9.26	0.770	35.67	98.92	0.76	0.39
270	2241.7	926.3	0.2000	-6.99	1.000	38.91	103.52	0.99	0.50
300	2136.0	1032.0	0.1186	-9.26	0.770	36.01	99.50	0.76	0.39
330	2492.2	675.8	0.0125	-19.03	0.250	15.68	55.85	0.25	0.13

Ave El= 2642.31 M HAAT= 525.69 M AMSL= 3168

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.

Exhibit Demonstrating Non-Interference with 971014 CP219C3, Sidney, CO

971014 CP219C3, Sidney, CO has a signal strength in excess of 65.9 dBu at the proposed FMT site . Using a U/D ratio of 40 dBu, the interference contour of the proposed FMT is in excess of 105.9 dBu, which extends less than 0.5 km from the proposed FMT antenna. The proposed FMT is at a fenced, protected tower site on a remote mountain top with no persons living in the immediate vicinity of the proposed FM antenna. Therefore, there is no anticipated interference to any persons listening to 971014 CP219C3, Sidney, CO as the result of the operation of the proposed FMT.

K214AK, Steamboat Springs, CO has a signal strength in excess of 67.2 dBu at the proposed FMT site. Therefore, the uninhabited area would be smaller than that referenced above, and would also not cause any interference to listeners of K214AK.

See attached Site Map and Map of 105.9 dBu contour, which also shows no population.

Channel Study
K219DA --> 216 vs KLDV.CP

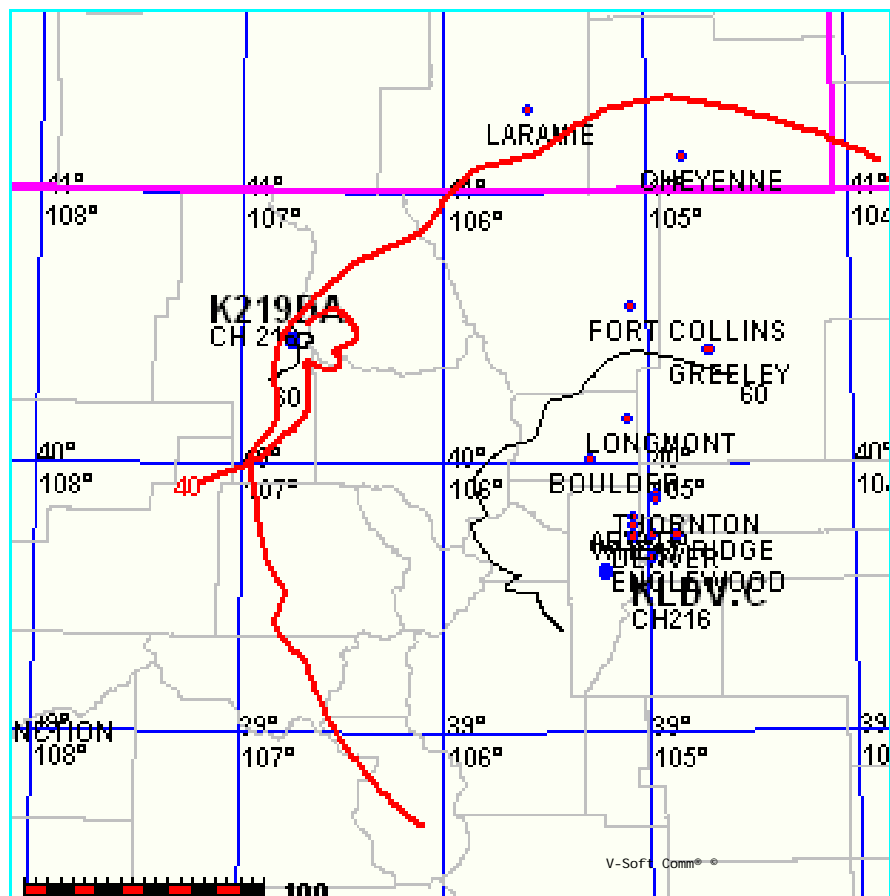
FMCONT Allocation Study

08-30-2003

K219DA CH 216 D
.2 kW 3168M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

KLDV.C CH 216 CO
100kW, 2461 M COR
Prot. = 60 dBu
Intef. = 40 dBu
File # BPED20010601AGJ

1: 3, 351, 563



Channel Study
K219DA --> 216 vs CP219C3 Sidney, CO

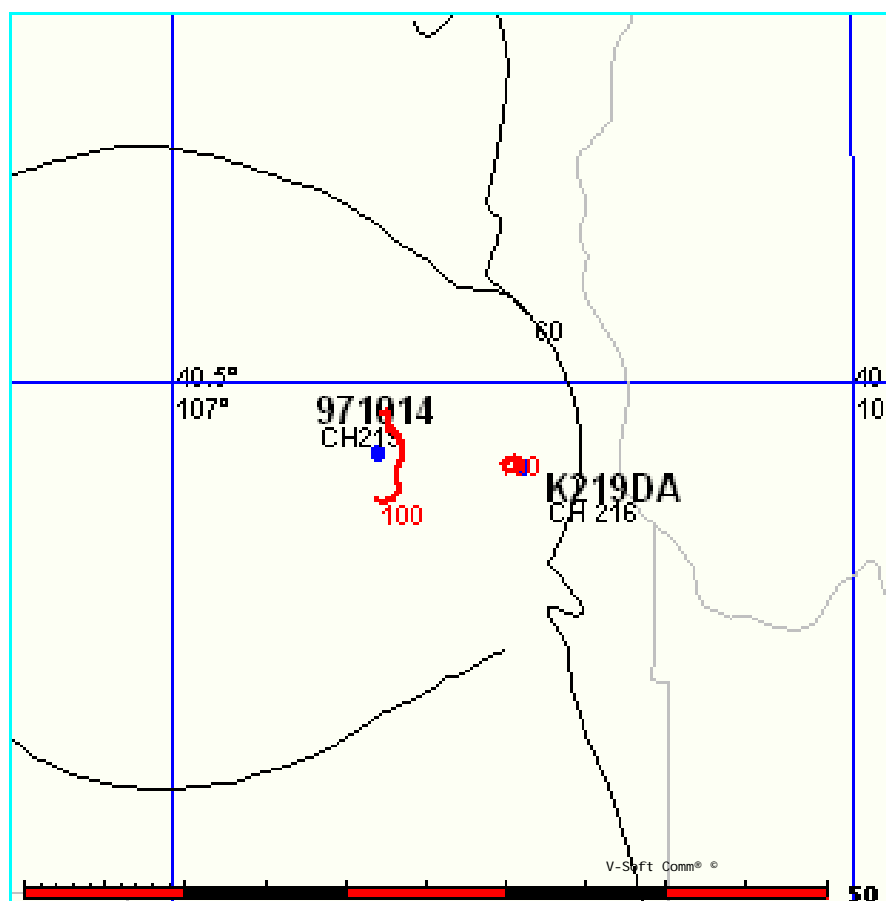
FMCONT Allocation Study

08-30-2003

K219DA CH 216 D
.2 kW 3168M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

971014 CH 219 C3
2.5kW, 2530 M COR
Prot. = 60 dBu
Intef. = 100 dBu
File # BPED19971014MB

1: 500,000



Channel Study
K219DA --> 216 vs K214AK

FMCONT Allocation Study

08-30-2003

K219DA CH 216 D
.2 kW 3168M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

K214AK CH 214 D
.077kW, 3236 M COR DA
Prot. = 60 dBu
Intef. = 100 dBu
File # BLFT19870803TD

1: 575,000

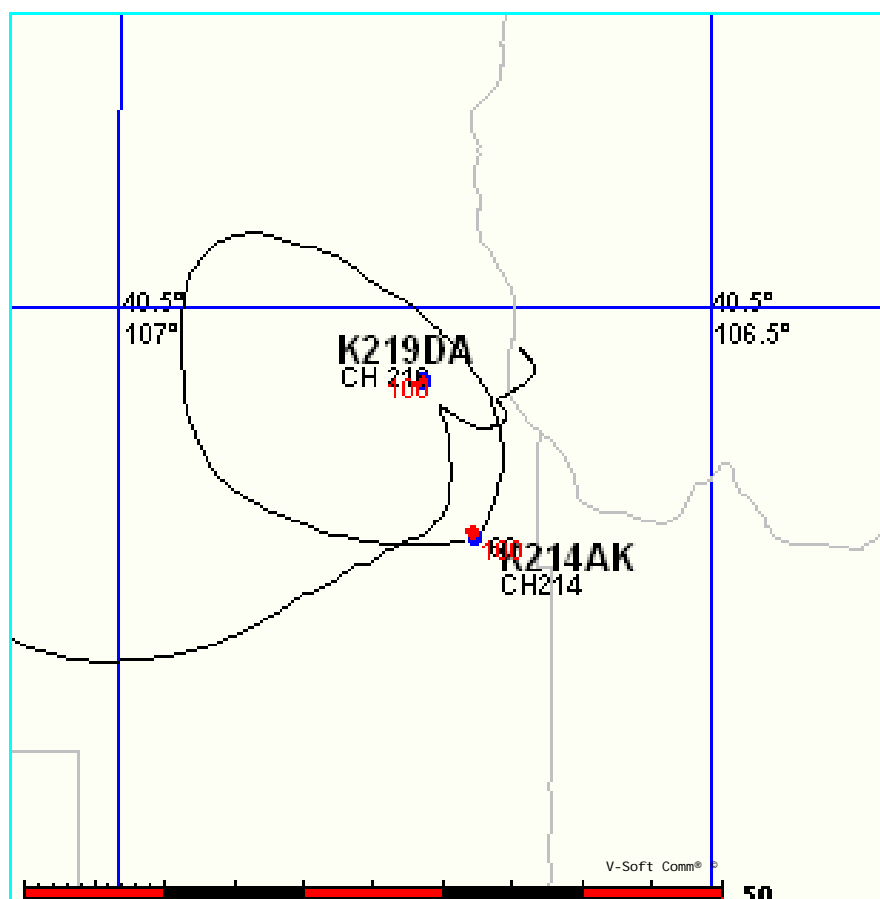
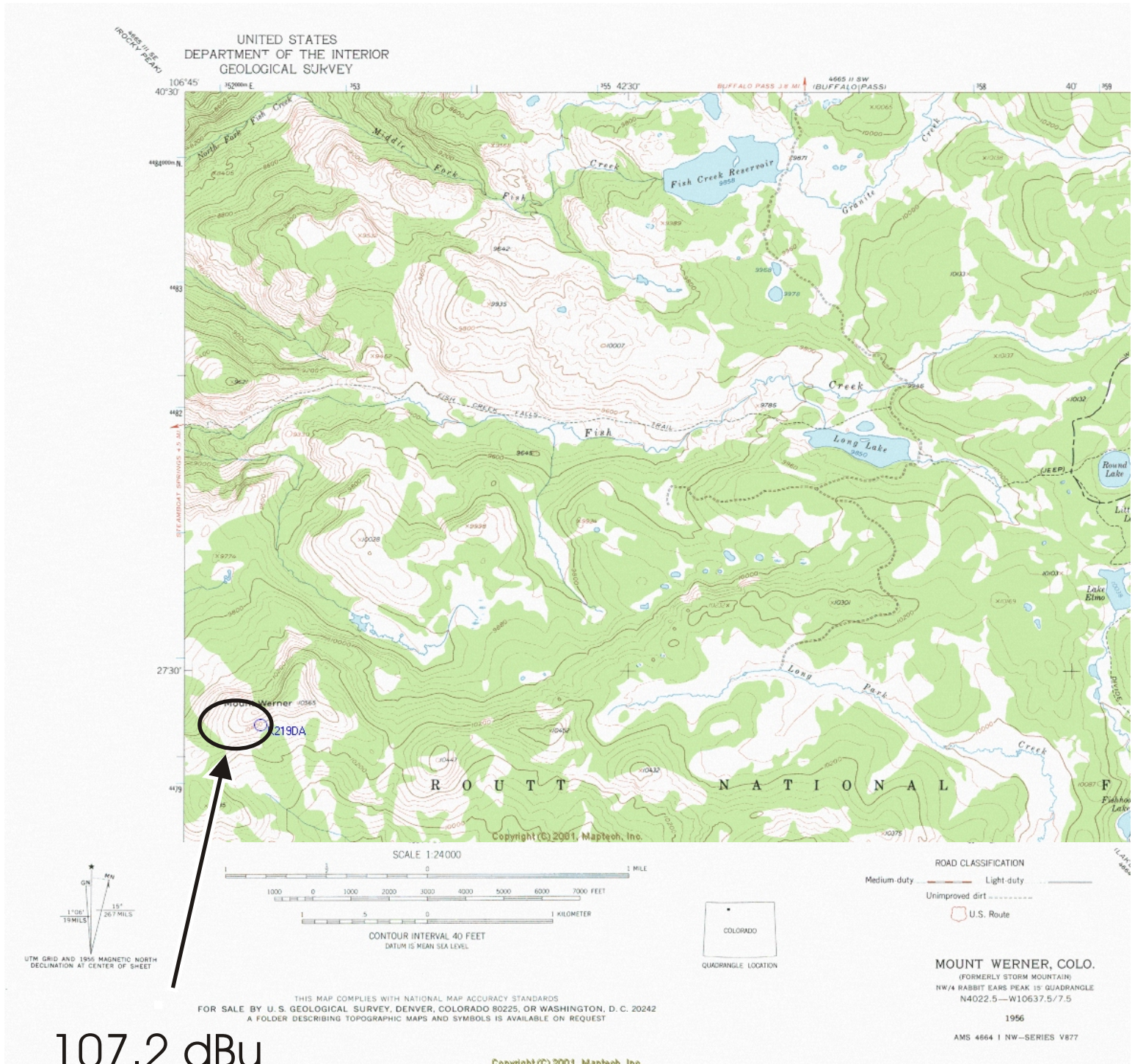


EXHIBIT 12b

Demonstration of No Population in 107.2 dBu Interference Contour



107.2 dBu
Interference Contour
Uninhabited/Unpopulated