

# KRRR 285C2 Allotment Point

## REFERENCE

41 15 30 N  
104 45 01 W

CLASS = C2

Current Spacings

## DISPLAY DATES

DATA 08-31-02  
SEARCH 09-03-02

----- Channel 285 - 104.9 MHz -----

Call	Channel	Location		Dist	Azi	FCC	Margin
RADD	ADD 285C2	Cheyenne	WY	0.02	177.7	190.0	-189.98
KRRR	LIC 285A	Cheyenne	WY	16.00	201.2	166.0	-150.00
RDEL	DEL 285A	Cheyenne	WY	16.00	201.2	166.0	-150.00
KRQU C	CP 283C2	Laramie	WY	50.11	202.0	50.0	0.11
KXKLFM	LIC 286C	Denver	CO	188.21	192.1	188.0	0.21
KRQU	LIC 283C2	Laramie	WY	59.19	275.9	58.0	1.19
KIMX	LIC 288C3	Laramie	WY	58.21	273.4	56.0	2.21
RDEL	DEL 288C3	Laramie	WY	58.21	273.4	56.0	2.21
KREO	LIC 287A	Pine Bluffs	WY	57.54	100.1	55.0	2.54
KNNG	LIC 284C1	Sterling	CO	163.02	116.9	158.0	5.02
RADD	ADD 288C2	Timnath	CO	70.48	215.6	58.0	12.48
KIMX.C	CP 288C2	Laramie	WY	75.24	253.5	58.0	17.24
961127	CP 232C3	Wellington	CO	49.34	222.0	17.0	32.34
KTRSFM	LIC 284C1	Casper	WY	209.43	322.6	158.0	51.43
KSKEFM	LIC 284C1	Vail	CO	230.66	219.0	158.0	72.66

EXHIBIT E-1A

KRRR ALLOTMENT POINT

285C2

# KRRR Proposed new site 285C2

## REFERENCE

41 09 37 N  
104 42 13 W

CLASS = C2

Current Spacings

Channel 285 - 104.9 MHz

## DISPLAY DATES

DATA 08-31-02

SEARCH 09-03-02

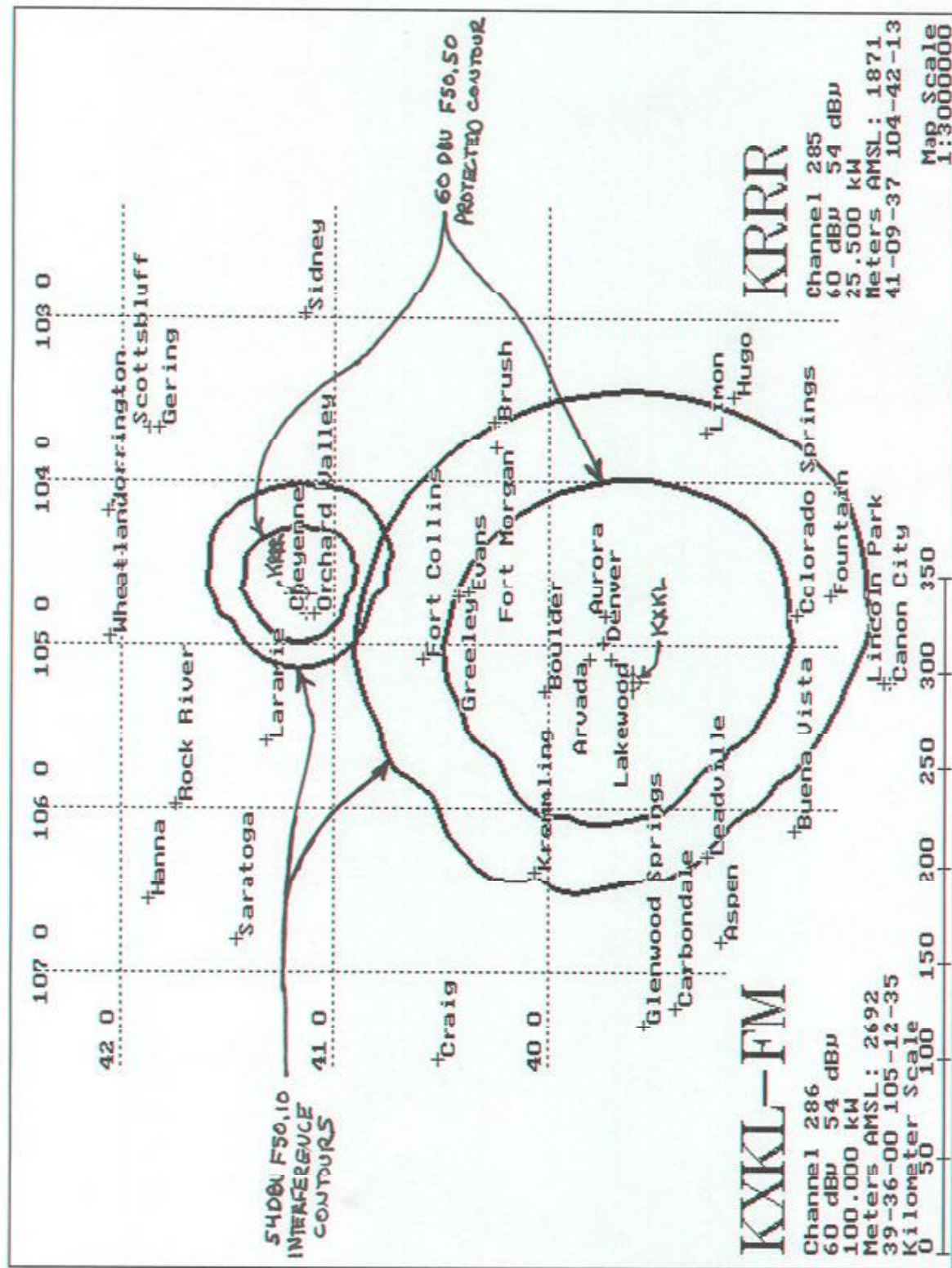
Call	Channel	Location		Dist	Azi	FCC	Margin
RADD	ADD 285C2	Cheyenne	WY	11.54	340.3	190.0	-178.46
RDEL	DEL 285A	Cheyenne	WY	10.53	247.4	166.0	-155.47
KRRR	LIC 285A	Cheyenne	WY	10.53	247.4	166.0	-155.47
*KXKLFM	LIC 286C	Denver	CO	178.50	194.0	188.0	-9.50
*KNNG	LIC 284C1	Sterling	CO	154.82	114.0	158.0	-3.18
*KREO	LIC 287A	Pine Bluffs	WY	52.74	89.2	55.0	-2.26
RADD	ADD 288C2	Timnath	CO	64.65	224.1	58.0	6.65
KRQU	LIC 283C2	Laramie	WY	65.04	285.2	58.0	7.04
KRQU.C	CP 283C2	Laramie	WY	65.07	291.5	58.0	7.07
KIMX	LIC 200C3	Laramie	WY	63.66	283.1	56.0	7.66
RDEL	DEL 288C3	Laramie	WY	63.66	283.1	56.0	7.66
KIMX.C	CP 288C2	Laramie	WY	76.78	262.2	58.0	18.78
961127	CP 232C3	Wellington	CO	45.08	235.1	17.0	28.08
KTRSFM	LIC 284C1	Casper	WY	220.47	323.5	158.0	62.47
KSKEFM	LIC 284C1	Vail	CO	224.92	221.6	158.0	66.92

## EXHIBIT E-1A (cont.)

## KRRR PROPOSED SITE

\* CONTOUR PROTECTION PROPOSED UNDER SECTION 73.215

SEE EXHIBIT E-1B, E-1C AND E-1D





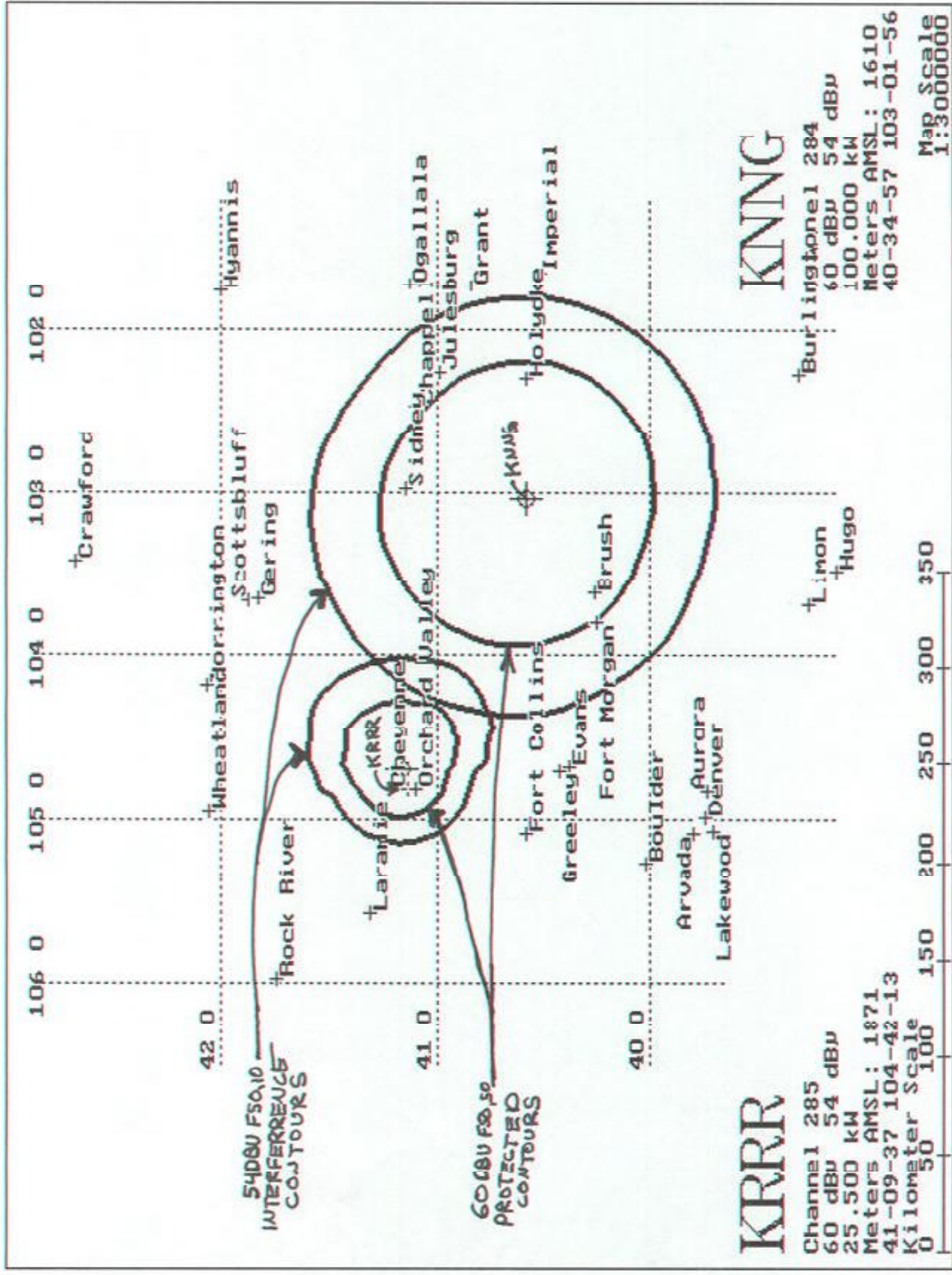


EXHIBIT E-1C  
CONTOUR PROTECTION  
PROPOSED KRRR AND KNNG STERLING, CO

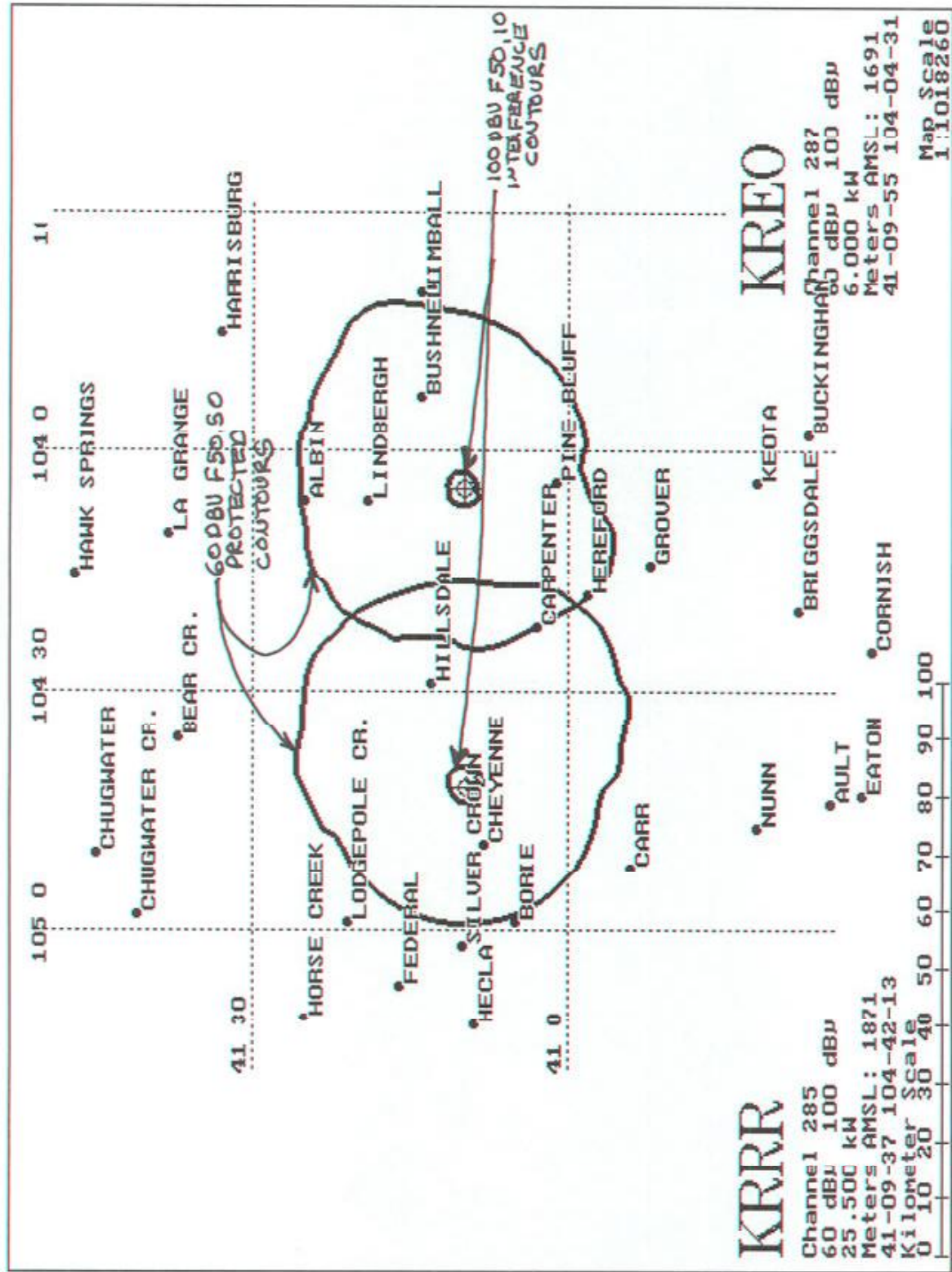


EXHIBIT E-1D  
CONTOUR PROTECTION  
PROPOSED KRRR AND KREO PINE BLUFFS, WY



## EXHIBIT E-1

CONTOUR PROTECTION  
KRRR Cheyenne, Wyoming  
Form 301, Channel 285C2  
September 2002

This exhibit will show compliance with contour protection rules under the provisions of section 73.215, towards three other stations, 1) KXKL-FM Denver, Colorado 2) KNNG Sterling, Colorado 3) KREO Pine Bluffs, Wyoming.

Exhibit E-1A shows two channel spacing studies. The first is an allotment point showing that channel 285C2 can be allotted to Cheyenne. The allotment point is located at N 41 – 15' – 30", W 104 – 45' – 01". This point is located 15 kilometers North of the city of Cheyenne. This distance is well within the 32.6 kilometers maximum distance allowed for a class C2 station. The second channel spacing study is conducted from the new proposed site located at N 41 – 09' – 37", W 104 – 42' – 13". It shows that from the new site, KRRR will meet all of the spacing requires under 73.207, with the exception of the three stations listed above, KXKL, KNNG and KREO.

All three of the above short spaced stations, meet minimum distance requirements under 73.215. KXKL is spaced 178.5 kilometers from the proposed KRRR. The minimum required spacing under 73.215 is 176 kilometers. KNNG is spaced 154.82 kilometers from KRRR. The minimum spacing required is 144 kilometers. KREO is spaced 52.74 kilometers from KRRR. The minimum spacing required is 49 kilometers.

Next, all three short spaced stations, were evaluated for contour overlap. First, all three stations were adjusted for operation at their maximum class facilities. The contour maps were plotted for each station against the proposed contours of the new

Exhibit E-1 (continued)

KRRR operating on Channel 285C2. It is proposed to operate KRRR at its new site with an Effective Radiated Power of 25.5 Kilowatts with an antenna Height Above Average Terrain of 45 Meters. This is less than the maximum allowed for class C2 station, but an ERP greater than allowed for by a Class C3 allotment.

Exhibit E-1B shows the contours of KXKL-FM (286C) Denver, operating at maximum facilities and the proposed operation of KRRR. The 54 DBU interference contour generated by either station does not overlap the 60 DBU protected contour of either station.

Exhibit E-1C shows the contours of KNNG (284C1) Sterling, operating at maximum facilities and the proposed operation of KRRR. The 54 DBU interference contour generated by either station does not overlap the 60 DBU protected contour of either station.

Exhibit E-1D shows the contours of KREO (287A) Pine Bluffs, operating at maximum facilities and the proposed operation of KRRR. The 100 DBU interference contour generated by either station does not overlap the 60 DBU protected contour of either station.

It was concluded that the proposed operation of KRRR at its new tower site and class will meet all of the provisions under section 73.215 of the Commissions rules.