

KUZ - Minor Amendment University of Wyoming											
CH# 213CO - 90.5 MHz, Pwr= 50 kW, HAAT=512.0 M, COR= 2680 M Average Protected F(50-50)= 80.42 km Ave. F(50-10) 40 dBu= 176.4 54 dBu= 118.9 80 dBu= 38.4 100 dBu= 10.3											
DISPLAY DATES DATA 04-24-04 SEARCH 04-26-04											
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*	
213CO Rock Springs	KUWZ. A	APP WY	CX 270.0 90.0	0.02 BPED20031217AAI	41 25 39 109 07 18	50.000 465	2655 173.0	77.3 University Of Wyoming	-256.54*<	-257.49*<	
213C Rock Springs	KUWZ	LIC WY	CY 292.3 112.3	20.30 BLED19941109KG	41 29 47 109 20 47	100.000 272	2364 169.3	70.1 University Of Wyoming	-231.86*<	-229.10*<	
213A Logan	980529	APP UT	CN 279.6 99.6	228.91 BPED19980529ME	41 44 22 111 50 05	6.000 -861	1408 68.3	15.8 Broadcasting For The Chal	76.61	32.51	
213C2 Carbondale	KDNK. C	CP CO	DCN 145.8 325.8	268.05 BPED20031126ASI	39 25 08 107 22 10	0.301 874	3227 107.7	41.6 Carbondale Community Acces	82.01	52.40	
213A Logan	971205	APP UT	DCN 282.9 102.9	251.73 BPED19971205MA	41 53 43 112 04 43	0.300 462	1869 85.5	29.0 Listners Community Radio O	82.35	42.17	
213C3 Carbondale	KDNK	LIC CO	CN 145.9 325.9	266.86 BLED19930913KF	39 25 35 107 22 48	0.215 993	3252 106.7	40.9 Carbondale Community Acces	81.78	51.93	
212C Casper	KCSPFM	LIC WY	CN 56.9 236.9	274.79 BLED19921013KA	42 44 24 106 18 23	100.000 576	2554 135.3	90.8 Western Inspirational B/ct	57.12	61.84	
266A Wamsutter	ALLO	VAC WY		73.8 99.69 253.8 RM9671	41 40 18 107 58 18	6.000 114	2177 32.6	30.0	25.0R	74.7M	
266A Wamsutter	RDEL	DEL WY		73.8 99.69 253.8	41 40 18 107 58 18	6.000 114	2177 32.6	30.0	25.0R	74.7M	
215A Pinedale	KUWX	LIC WY	C 337.5 157.5	170.78 BLED20000627AFX	42 50 40 109 55 24	0.450 85	2359 1.5	13.7 University Of Wyoming	84.22	146.11	
212C2 Jackson	KUWJ	LIC WY	CN 329.9 149.9	262.75 BLED19921207KC	43 27 40 110 45 09	3.000 291	2489 58.5	39.3 University Of Wyoming	119.27	97.96	
212C2 Grand Junction	KLFV	LIC CO	CX 173.0 353.0	264.16 BLED20031118AAP	39 03 57 108 44 48	3.000 695	2196 87.1	58.7 Educational Media Foundati	104.47	98.70	
266C1 Dinosaur	RADD	ADD CO		175.8 131.66 355.8	40 14 42 109 00 30	100.000 103	2160 60.7	51.4	37.0R	94.7M	
06Z2C Vernal	KBCJ	CP UT	HN 181.0 1.0	118.99 BPCT19960919KG	40 21 22 109 08 41	83.200 503	2541	118.3 To Grd B= Vernal Broadcasting, Inc.		0.65	

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

### HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "**\* IN \***" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "**\* OUT \***" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap interference.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates omni. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N".