

University of Wyoming  
 Kaycee 204

REFERENCE  
 43 53 41.4 N.  
 106 40 48.3 W.

CH# 204A - 88.7 MHz, Pwr= 2 kW, HAAT= 72.4 M, COR= 1653 M  
 Average Protected F(50-50)= 18.72 km

DISPLAY DATES  
 DATA 10-09-07  
 SEARCH 10-09-07

CH CITY	CALL	TYPE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
06+2E Casper	KPTW	CP	DHN WY	168.5 348.7	130.85 BPET19960624KT	42 44 26.0 106 21 34.0	0.331 536	2501	71.7 Central Wyoming College	101.0R	29.8M
205A Gillette	KLOF	LIC	_C_ WY	69.7 250.6	103.25 BLED20000803AAI	44 12 34.0 105 28 04.0	0.430 134	20.0 1562	13.4 Educational Media Foundati	58.24	52.11
205A Gillette	KLOF	CP	_CX WY	69.7 250.6	103.25 BPED20070625ABW	44 12 34.0 105 28 04.0	0.440 121	18.3 1549	12.5 Educational Media Foundati	59.90	53.05
207C3 Sheridan	KWCF	CP	_CX WY	346.0 165.8	81.12 BPED20070425AAD	44 36 10.0 106 55 42.0	1.000 292	1.9 1920	25.7 Csn International	53.26	53.20
207C3 Sheridan	KWCF	LIC	DCX WY	346.0 165.8	81.12 BLED20051212ACJ	44 36 10.0 106 55 42.0	1.000 293	1.9 1920	25.7 Csn International	53.26	53.20
205A Sheridan	KOHR	LIC	_V_ WY	348.9 168.7	102.37 BLED200512106AGL	44 47 54.0 106 55 51.0	0.500 25	12.0 1250	8.5 Hi-line Radio Fellowship,	63.93	53.92
201A Sheridan	KPRQ	LIC	_CX WY	336.9 156.6	88.21 BLED20051214ACV	44 37 26.0 107 07 02.0	0.450 341	1.5 2347	8.3 Montana State University -	62.73	77.81
06ZT Gillette	K06JM	LI	D_N WY	62.6 243.3	88.60 BLTVA20031223ACO	44 15 24.0 105 41 40.0	3.000 150	1525	6.7 Duhamel Broadcasting Enter	25.5R	63.1M
206C1 Casper	KLWC	CP	_VX WY	167.6 347.9	131.98 BPED20070420ABI	42 44 03.0 106 20 00.0	2.700 564	3.4 2527	62.2 Educational Media Foundati	105.95	67.76
206C2 Casper	KLWC	LIC	_VX WY	167.6 347.9	131.98 BLED20050614AAF	42 44 03.0 106 20 00.0	1.500 564	2.6 2527	56.4 Educational Media Foundati	106.75	73.53
201A Gillette	AP2785	APP	_CX WY	68.6 249.4	104.45 BNPED20000119ABS	44 13 50.0 105 27 45.0	0.200 85	1.0 1508	7.1 Solid Rock Broadcasting, I	78.61	95.16
202C3 Casper	990311MN	CP	NVX WY	168.5 348.7	130.85 BPED19990311MN	42 44 26.0 106 21 34.0	0.500 526	1.5 2464	45.3 wcn, Inc.	106.68	83.53

Terrain database is USGS 03 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM  
 ERP and HAAT are on direct line to and from reference station.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

## 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 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 contour overlap. Listed antenna heights and power are 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 contour overlap.

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

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

For I.F. relationships and relationships with commercial channel stations the minimum spacings 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 call letters of stations meeting the minimum separation distances will be flagged by the characters "<<" appended to the end of the call letters. The "^" character appended to the call letters means the station has been "max-classed" according to the provisions of section 73.525 of the Rules.

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 with an omni-directional antenna. 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" or left blank.