```
                        Single Channel Allocations Study
                            University Of Wyoming
REFERENCE          CH#  231D - 94.1 MHz, Pwr= 0.05 kW,  HAAT= 136.8 M,  COR= 1453 M      DISPLAY DATES
44 04 00.0 N.                 Average Protected F(50-50)= 10.13 km                        DATA    03-18-13
107 51 50.0 W.                        Omni-directional                                   SEARCH  03-18-13
-------------------------------------------------------------------------------------------------------
CH    CALL        TYPE  ANT   AZI    DIST         LAT      PWR(kW) INT(km)  PRO(km)   *IN*      *OUT*
CITY              STATE       <--    FILE #       LNG      HAAT(M) COR(M)   LICENSEE  (Overlap in km)
-------------------------------------------------------------------------------------------------------
231D  630513      APP DV_     0.0    0.00         44 04 00.0  0.050   26.2   7.8    -36.3*     -41.9*<--
Worland           WY          0.0    BNPFT20030314ASQ 107 51 50.0  141     1453   University Of Wyoming

231C1 KRKX        LIC _CN    346.4   193.91       45 45 37.0  100.000 149.7  54.2     31.2       97.2
Billings          MT         166.0   BLH19940930KB 108 27 09.0  180     1231   Mini Me Media, Llc

230C1 KTAK        LIC _CN    188.7   151.50       42 43 10.0  50.000  103.1  69.3     38.4       66.2
Riverton          WY           8.6   BLH19811221AS 108 08 45.0  290     2248   Edwards Communications, Lc

228D  K228ED      LIC _C_    214.1   55.62        43 39 07.0  0.050    0.5   12.9     43.0       42.2
Thermopolis       WY          33.9   BLFT20091124ABM 108 15 07.0  56     1559   Calvary Chapel Of Twin Fal

233C2 R14314      RSV-R ___  306.7   94.38        44 34 13.0  50.000   4.7   43.5     77.5       47.0
Cody              WY         126.1                108 49 09.0  150     1685

229C  KYTI        LIC _CY     43.7   85.74        44 37 20.0  75.000   2.9   29.0     73.2       56.3
Sheridan          WY         224.2   BLH19990914AAN 107 06 57.0  368    2380   Lovcom, Inc.

-------------------------------------------------------------------------------------------------------
Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone=  West Zone, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
<-- Applicant's singleton application currently on file
```

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. 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 difference in kilometers between of the reference station's protected contour and the data file station's interference contour at the closest point between the contours. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, "IN" column is a measure of incoming interference. Negative distances in this column indicate the presence of contour overlap. Listed antenna heights and power are those given in the FCC database. The column labeled "OUT " shows the greatest distance in kilometers of overlap or smallest of 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 "AZI" 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, some channel-six TV relationships and relationships with commercial channel stations providing clearance the minimum spacings values the "IN" and "OUT" columns can 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** (or lack of it) 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 under the rules will be flagged by the characters "<<" appended to the right-hand side of the call sign. The "^" character appended to the call sign 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.