Doug Vernier Telecommunications Consultants
721 West 1st St. Ste. A, Cedar Falls, IA 50613

Hailey, Idaho 266
Minnesota Public Radio

REFERENCE CH# 266D - 101.1 MHz, Pwr= 0.01 kW, HAAT=931.6 M, COR= 2665 M DISPLAY DATES
43 38 36 N Average Protected F(50-50)= 16.48 km DATA 08-26-03
114 23 50 W Ave. F(50-10) 40 dBu= 61.5 54 dBu= 27.1 80 dBu= 2.2 100 dBu= .2 SEARCH 08-28-03

CH CALL / CITY	TYPE / STATE	AZI. <--	DIST / FILE #	LAT. / LNG.	Pwr(kW) / HAAT(M)	COR(M) / INT(km)	PRO(km) / LICENSEE	*IN* (Overlap in km)	*OUT* (Overlap in km)
266D AP266	APP C	158.5	16.69	43 30 13	0.013	2070	8.0	-26.06<	-49.33<
Hailey	ID	338.5	BNPFT20030312ANH	114 19 17	167	58.0	1400 Inc.		
264C KISY	LIC CY	242.5	95.06	43 14 43	80.000	2211	82.8	72.97	12.00
Gooding	ID	62.5	BLH19971106KD	115 26 12	473	0.2	Agm-idaho Broadcasting, Ll		
268C KCVI	LIC CN	95.9	141.07	43 30 03	100.000	2030	84.9	114.75	55.92
Blackfoot	ID	275.9	BLH19940818KE	112 39 43	471	0.2	Western Communications, In		
266C1 KMCLFM	LIC CN	311.6	190.42	44 45 54	3.900	2256	63.1	37.07	94.30
Mccall	ID	131.6	BLH19901101KC	116 11 54	751	33.0	Brundage Mountain Air Inc.		
267D K267AE	LIC C	242.7	94.62	43 14 57	0.010	2301	13.5	63.00	66.37
Mountain Home	ID	62.7	BLFT19991101ALG	115 26 00	588	14.7	Calvary Chapel Of Twin Fal		
266L1 AP266	APP	181.7	118.15	42 34 49	0.000	0	0.0	103.10	63.14
Twin Falls	ID	1.7	BNPL20010119ABO	114 26 25	-1159	55.0	Amazing Grace Fellowship		
269A ALLO	VAC	182.8	120.31	42 33 42	6.000	0	15.8	103.75	104.34
Twin Falls	ID	2.8	RM	114 28 12	-1109	0.2			
266D K266AF	LIC DCN	118.6	175.26	42 52 26	0.001	1784	5.5	137.81	115.90
Pocatello	ID	298.6	BLFT19961121TG	112 30 47	424	53.8	Western Communications, In		
266D AP266	APP C	13.6	176.26	45 11 02	0.250	1351	12.6	119.01	112.63
Salmon	ID	193.6	BNPFT20030317KLQ	113 52 12	96	51.0	Chris Nelson		
263C1 KBYI	LIC CN	85.3	197.04	43 45 44	100.000	1687	66.6	173.75	130.25
Rexburg	ID	265.3	BLED19980722KA	111 57 30	230	0.2	Brigham Young University-i		

ERP and HAAT are on direct line to and from reference station. "<" = 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”.