HOW TO READ THE FM COMPUTER PRINT-OUT

The computer print-out should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60dBu 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 the 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 with standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights along the azimuths between the reference station and the database station are used and visa versa. The column labeled "*OUT*" shows the distance of 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 interference.

For I.F., commercial, international and other spacing based 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 or "Margin". Minimum commercial separation distances were taken from Sec 73.207 of the rules as amended. This procedure is also used for all Canadian and Mexican spacing. Canadian separation distances were derived from the "Canadian/American Working Agreement".

Under the "BEARING" column, the first row of numbers indicated 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.

The first three letters of the "TYPE" column identify the current F.C.C. status of the stations. The fourth letter will be a "D" or "Z" (Sec. 73.215) if the facility is directional. 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.

Calvary Chapel Of Twin Falls, Inc.
St. Marks, FL WUJC Minor Change Application

REFERENCE CH# 216C1 - 91.1 MHz, Pwr= 75 kW, HAAT= 138.8 M, COR= 172 M DISPLAY DATES
30 30 55.0 N. Average Protected F(50-50)= 54.32 km DATA 04-07-10
83 52 17.0 W. SEARCH 04-12-10

CH CALL / CITY	TYPE ANT / STATE	AZI <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* (Overlap in km)	*OUT*
216C3 WUJC	LIC _VX	185.9	41.58	30 08 32.0	7.000	87.4	27.9	-85.63*	-94.65
St. Marks	FL	5.9	BLED20050804ACX	83 54 58.0	95	100	Calvary Chapel Of Twin Fal		
06 3E WABW-T	CPM _HY	342.2	72.20	31 08 05.0	10.500		85.2	96.1R	-23.9M
Pelham	GA	162.0	BMPEDT20080619AK	84 06 16.0	379	462	Georgia Public Telecommuni		
06 3E WABW-T	AP _HY	342.2	72.20	31 08 05.0	10.500		85.2	96.1R	-23.9M
Pelham	GA	162.0	BDSTA20090318AAC	84 06 16.0	379	462	Georgia Public Telecommuni		
213A WANM	LIC _VN	256.9	41.37	30 25 49.0	1.600	1.6	13.2	-5.83*	23.23
Tallahassee	FL	76.7	BLED19910701KB	84 17 27.0	51	76	Florida A & M University		
213A WANM	CP _VX	256.9	41.37	30 25 49.0	2.500	1.6	14.7	-5.83*	21.71
Tallahassee	FL	76.7	BPED20070906ACZ	84 17 27.0	51	76	Florida A & M University		
217C3 1294457	APP DEX	7.2	68.89	31 07 54.0	15.000	40.1	25.9	4.07	5.66
Pavo	GA	187.3	BNPED20071015AHD	83 46 49.0	75	157	Calvary Chapel Of Thomasvi		
217A 1208771	APP _CX	36.8	58.47	30 56 11.0	0.800	22.3	14.9	10.18	4.24
Morven	GA	217.0	BNPED20071012AOV	83 30 14.0	81	140	Augusta Radio Fellowship I		
218C1 WFSQ	LIC _CX	256.4	73.10	30 21 31.0	86.000	8.2	63.7	19.12	4.41
Tallahassee	FL	76.0	BLED20030912ABG	84 36 38.0	224	250	Florida State University		
216A NEW	CP DCX	322.6	104.66	31 15 45.0	4.100	70.3	19.3	8.71	8.12
Mimsville	GA	142.3	BNPED20071015ADM	84 32 25.0	45	95	Tbta Ministries		
06 3E WABW-T	AP DHN	342.2	72.20	31 08 05.0	5.200		40.3	51.2R	21.0M
Pelham	GA	162.0	BDSTA20090209ALS	84 06 16.0	169	253	Georgia Public Telecommuni		

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)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.