

REFERENCE		CH#		208B - 89.5 MHz, Pwr= 1.7 kW, HAAT=693.0 M, COR= 975 M		WVPR		Height Correction		DISPLAY DATES	
43 26 15 N				Average Protected F(50-50)= 53.06 km						DATA 06-16-04	
72 27 08 W		Ave. F(50-10)		40 dBu= 127.3 54 dBu= 79.2 80 dBu= 18.1 100 dBu= 2.8						SEARCH 06-16-04	
CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*	
CITY		STATE	<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)	
208B	WVPR	LIC CN	0.0	0.06	43 26 17	1.800	965	53.9	-181.39*<	-180.83*<	
Windsor		VT	180.0	BLED19910212KB	72 27 08	701	128.6	Vermont Public Radio			
209B	WGBH. A	APP CN	141.3	159.80	42 18 37	21.000	365	58.0	19.47	19.37	
Boston		MA	321.3	BPED20000303ACI	71 14 14	316	85.0	Wgbh Educational Foundatio			
209C2	WKVJ. C	CP DCX	322.7	159.86	44 34 26	2.771	670	45.2	40.32	38.06	
Dannemora		NY	142.7	BPED19980923MI	73 40 29	416	68.3	American Educational Broad			
209A	WSSK	LIC V	256.0	109.27	43 11 35	0.050	302	13.2	37.24	18.01	
Saratoga Springs		NY	76.0	BLED19981119KD	73 45 25	231	19.8	Sound Of Life, Inc.			
206B	WEVO	LIC CN	108.9	75.38	43 12 53	50.000	251	46.3	17.15	26.28	
Concord		NH	288.9	BLED19830307AD	71 34 28	109	5.1	New Hampshire Public Radio			
209B	WGBH	LIC CY	140.9	174.69	42 12 42	100.000	242	65.3	22.93	27.02	
Boston		MA	320.9	BLED19800609AH	71 06 51	216	96.5	Wgbh Educational Foundatio			
207A	WAMH	LIC CN	178.9	119.26	42 21 51	0.150	402	9.6	52.19	29.58	
Amherst		MA	358.9	BLED1567	72 25 24	70	13.4	Trustees Of Amherst Colleg			
210A	WCMD	LIC CN	358.5	76.47	44 07 32	0.940	612	24.0	21.79	49.72	
Barre		VT	178.5	BLED19960416KA	72 28 36	177	1.8	Christian Ministries, Inc			
261A	WPNHFM	LIC C	57.6	63.06	43 44 21	0.410	722	23.7	15.0R	48.1M	
Plymouth		NH	237.6	BLH20000515ABT	71 47 27	260	35.5	Northeast Communications C			
06-C	WCSH	LI D N	70.9	148.03	43 51 30	57.366	763	121.2	To Grd B=	26.85	
Portland		ME	250.9	BLCT19990713KG	70 42 41	606		Pacific And Southern Compa			

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".