

Amendment of Norwich Proposal  
SUNY-Oswego - WRVO

REFERENCE 42 31 39 N 75 31 33 W	CH# 293D - 106.5 MHz, Pwr= 0.25 kW, HAAT=0.0 M, COR= 332 M Average Protected F(50-50)= 7.09 km Ave. F(50-10) 40 dBu= 23.8 54 dBu= 10.1 80 dBu= 2.3 100 dBu= 1.1	DISPLAY DATES DATA 11-13-04 SEARCH 11-15-04
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CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
293D Norwich	AP293	APP NY	C	336.3 156.3 BNPFT20030826AMO	42 32 16 75 31 55	0.250 -111	347 23.8	7.1 State University Of New Yo	-29.60*	-29.60*
293D Norwich	AP293	APP NY	C	336.3 156.3 BNPFT20030310BFS	42 32 16 75 31 55	0.250 -111	347 23.8	7.1 State University Of New Yo	-29.60*	-29.60*
293D Binghamton	W293AC	APP NY	C	211.0 31.0 BMJPFT20030313AW	42 06 49 75 51 39	0.014 68	459 16.9	5.2 Montrose Broadcasting Corp	29.64	24.66
293D Binghamton	W293AC	CP NY	C	211.0 31.0 BMJPFT20030828AW	42 06 49 75 51 39	0.014 68	459 16.9	5.2 Montrose Broadcasting Corp	29.64	24.66
293D Binghamton Translator For WPELFM, Montrose, PA	W293AC	LIC NY	CN	211.0 31.0 BLFT19930616TB	42 06 49 75 51 39	0.007 67	458 13.6	4.3 Montrose Broadcasting Corp	32.92	25.53
293D Utica	AP293	APP NY	C	25.3 205.3 BNPFT20030312AZH	43 02 15 75 11 45	0.001 62	463 8.1	2.6 Northeast Gospel Network,	47.53	36.41
293B Albany	WPYX	LIC NY	CN	84.0 264.0 BLH19870128KA	42 38 09 74 00 05	15.500 163	515 113.3	55.7 Capstar Tx Limited Partner	5.30	34.41
293B Albany Coordinates updated from LIC	ALLO	USE NY		84.0 264.0 record BLH870128KA	42 38 09 74 00 05	50.000 -204	148 115.0	36.1	3.61	54.02
294A Windsor	AP294	APP NY		187.6 7.6 BSFH20040805ACE	42 05 45 75 36 14	0.000 -334	0 0.0	0.0 Wamc	41.29	38.23
294A Windsor	VA294	VAC NY	N	178.1 358.1	42 03 04 75 30 18	6.000 33	555 24.6	16.6	21.26	26.22
294A Windsor	AP294	APP NY		195.4 15.4 BSFH20040805ADU	42 03 10 75 42 07	0.000 -416	0 0.0	0.0 Equinox Broadcasting Corpo	47.61	44.55
292A Oneida	WMC RFM	LIC NY	CX	348.8 168.8 BMLH20040116ABA	43 02 48 75 39 58	1.250 115	477 31.2	21.1 Warren Broadcasting Co. In	20.51	27.53
292A Oneida Coordinates updated from LIC	ALLO	USE NY		348.8 168.8 record BLH5612	43 02 48 75 39 58	6.000 -214	148 23.5	15.8	28.24	32.90
295B Auburn	WPHR	LIC NY	CN	292.5 112.5 BLH19880505KE	42 48 05 76 26 14	14.000 162	625 4.3	54.7 Clear Channel Broadcasting	69.24	24.41
295B Auburn Coordinates updated from LIC	ALLO	USE NY		292.5 112.5 record BLH880505KE	42 48 05 76 26 14	50.000 -315	148 2.7	36.1	70.91	42.95
293A Minetto	WKRH	LIC NY	NCN	322.7 142.7 BLH19961106KD	43 25 04 76 27 54	5.000 90	214 82.0	25.8 Galaxy Communications, L. p	36.03	75.54

ERP and HAAT are on direct line to and from reference station.  
 "\*\*\*affixed to 'IN' or 'Out' values = site inside protected contour.

## 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".