

WAVQ Minor Modification of Construction Permit											
REFERENCE 24 39 34 N 81 32 19 W		CH# 202C2 - 88.3 MHz, Pwr= 100 kW, HAAT=83.0 M, COR= 83 M Average Protected F(50-50)= 47.4 km Ave. F(50-10) 40 dBu= 143.5 54 dBu= 77.1 80 dBu= 17.2 100 dBu= 5.3								DISPLAY DATES DATA 02-12-04 SEARCH 02-16-04	
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*	
202A Key West	WAVQ. C	CP CN FL	245.6 65.6	28.85 BPED19980526MC	24 33 07 81 47 53	6.000 39	39 143.5	18.0 Key West Radio Corporation	-91.20*<	-132.63<	
203C3 Florida City	WMFL	LIC VN FL	66.1 246.1	121.45 BLED19981013KC	25 05 50 80 26 12	8.000 41	41 77.1	19.9 Family Stations, Inc.	44.62	24.48	
202A Pennsuko	WIRP	LIC DVN FL	38.0 218.0	171.43 BLED19990223KA	25 52 24 80 28 59	0.393 86	86 143.5	13.3 Centro Internacional	77.81	14.64	Apost
202A Pennsuko	WIRP. C	CP DCN FL	38.0 218.0	171.43 BPED20011017AEW	25 52 24 80 28 59	1.239 86	86 143.5	18.1 Centro Internacional	63.85	9.88	Apost
203C3 Florida City	WMFL. C	CP DCX FL	56.8 236.8	136.20 BPED20030813AEY	25 19 31 80 24 16	7.700 52	52 77.1	22.3 Family Stations, Inc.	55.30	36.87	
201A Naples	WBGY	LIC V FL	6.5 186.5	134.49 BLED20001220ABB	25 51 56 81 23 09	0.110 18	18 77.1	5.8 Naples Educational Broadca	78.88	51.66	
201A Homestead	WRGP	LIC CN FL	47.5 227.5	145.47 BLED19990624KB	25 32 24 80 28 07	0.165 131	131 77.1	13.2 Florida International Univ	78.20	55.19	
202A La Belle	WBIY	LIC DCN FL	1.9 181.9	230.67 BLED19990426KE	26 44 26 81 27 46	3.000 50	56 143.5	17.2 Toccoa Falls College	119.51	69.99	
205C2 Miami	WDNA. A	APP ZCX FL	47.5 227.5	145.47 BPED20030815ADG	25 32 24 80 28 07	2.977 351	351 5.3	42.5 Bascomb Memorial Broadcast	94.81	97.64	
205C2 Miami	WDNA. C	CP DCN FL	47.5 227.5	145.47 BPED19960614MA	25 32 24 80 28 07	7.400 351	351 5.3	50.6 Bascomb Memorial Broadcast	93.40	89.57	
201C1 West Palm Beach	WAYF	LIC DEX FL	31.5 211.5	251.86 BLED20030818ADR	26 35 20 80 12 44	4.134 322	322 77.1	43.6 Way-fm Media Group. Inc.	139.36	131.18	
06Z3C Miami	WTVJ	LI CY FL	47.5 227.5	145.47 BLCT19870123KG	25 32 24 80 28 07	100.000 552	552 412.7	124.7 Nbc Stations Management, I	To Grd B=	20.76	

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".

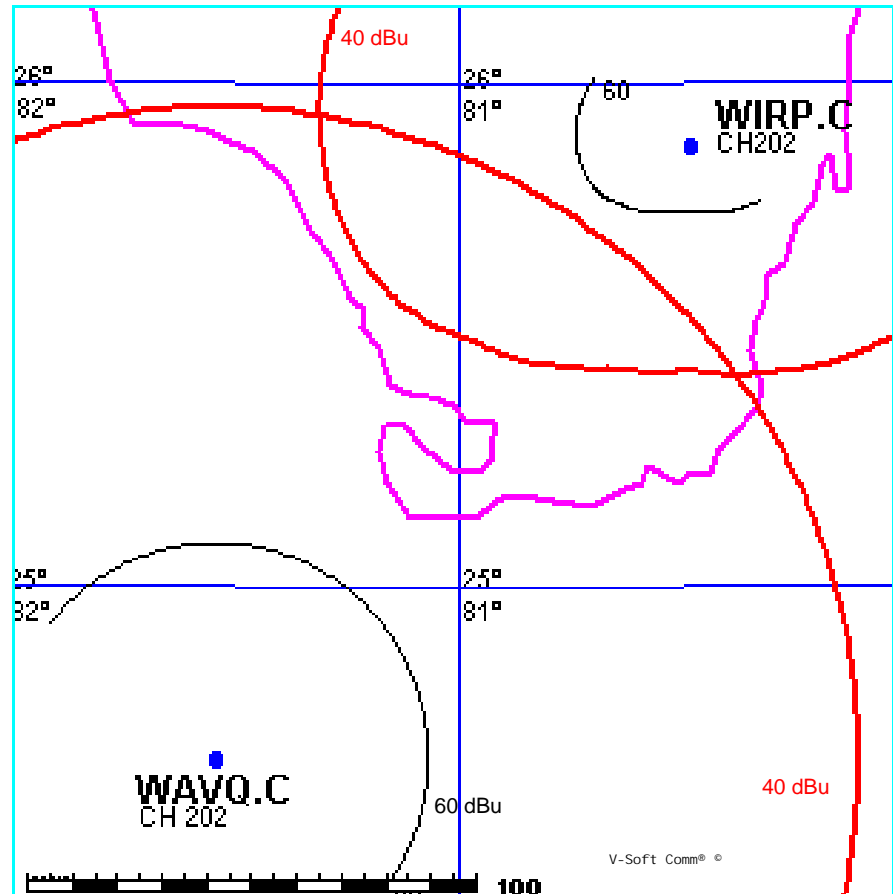
FMCONT Allocation Study

02-16-2004

WAVQ.C CH 202 C2
100 kW 83M COR
Prot. = 60 dBu
Intef. = 40 dBu

WIRP.C CH 202 A
6kW, 86 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu
File # BPED20011017AEW

1: 1,789,063



WIRP.C BPED20011017AEW
Channel = 202A
Max ERP = 6 kW
RCAMSL = 86 M
N. Lat = 25 52 24
W. Lng = 80 28 59

WAVQ.C
Channel = 202C2
Max ERP = 100 kW
RCAMSL = 83 M
N. Lat = 243934
W. Lng = 813219

Protected
60 dBu

Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
188.0	000.5516	0086.0	014.5	040.6	100.0000	0083.0	159.1	37.3
189.0	000.5567	0086.0	014.5	040.5	100.0000	0083.0	158.9	37.3
190.0	000.5618	0086.0	014.6	040.5	100.0000	0083.0	158.8	37.3
191.0	000.5699	0086.0	014.6	040.4	100.0000	0083.0	158.6	37.4
192.0	000.5781	0086.0	014.7	040.3	100.0000	0083.0	158.4	37.4
193.0	000.5863	0086.0	014.7	040.3	100.0000	0083.0	158.3	37.4
194.0	000.5946	0086.0	014.8	040.2	100.0000	0083.0	158.1	37.4
195.0	000.6029	0086.0	014.8	040.1	100.0000	0083.0	157.9	37.5
196.0	000.6113	0086.0	014.9	040.0	100.0000	0083.0	157.8	37.5
197.0	000.6198	0086.0	014.9	040.0	100.0000	0083.0	157.6	37.5
198.0	000.6283	0086.0	015.0	039.9	100.0000	0083.0	157.5	37.6
199.0	000.6369	0086.0	015.1	039.8	100.0000	0083.0	157.3	37.6
200.0	000.6455	0086.0	015.1	039.7	100.0000	0083.0	157.2	37.6
201.0	000.6685	0086.0	015.3	039.6	100.0000	0083.0	157.0	37.6
202.0	000.6920	0086.0	015.4	039.6	100.0000	0083.0	156.7	37.7
203.0	000.7158	0086.0	015.5	039.5	100.0000	0083.0	156.5	37.7
204.0	000.7400	0086.0	015.7	039.4	100.0000	0083.0	156.3	37.8
205.0	000.7647	0086.0	015.8	039.3	100.0000	0083.0	156.1	37.8
206.0	000.7897	0086.0	016.0	039.2	100.0000	0083.0	155.9	37.8
207.0	000.8152	0086.0	016.1	039.2	100.0000	0083.0	155.7	37.9
208.0	000.8411	0086.0	016.3	039.1	100.0000	0083.0	155.5	37.9
209.0	000.8673	0086.0	016.4	039.0	100.0000	0083.0	155.3	37.9
210.0	000.8940	0086.0	016.5	038.9	100.0000	0083.0	155.1	38.0
211.0	000.9343	0086.0	016.8	038.8	100.0000	0083.0	154.9	38.0
212.0	000.9754	0086.0	017.0	038.7	100.0000	0083.0	154.6	38.1
213.0	001.0175	0086.0	017.2	038.6	100.0000	0083.0	154.4	38.1
214.0	001.0604	0086.0	017.4	038.5	100.0000	0083.0	154.2	38.1
215.0	001.1042	0086.0	017.5	038.4	100.0000	0083.0	153.9	38.2
216.0	001.1490	0086.0	017.7	038.3	100.0000	0083.0	153.7	38.2
217.0	001.1946	0086.0	017.9	038.2	100.0000	0083.0	153.5	38.2
218.0	001.2411	0086.0	018.1	038.0	100.0000	0083.0	153.4	38.3
219.0	001.2884	0086.0	018.3	037.9	100.0000	0083.0	153.2	38.3
220.0	001.3367	0086.0	018.5	037.8	100.0000	0083.0	153.0	38.3
221.0	001.3801	0086.0	018.6	037.7	100.0000	0083.0	152.9	38.4
222.0	001.4242	0086.0	018.8	037.6	100.0000	0083.0	152.7	38.4
223.0	001.4690	0086.0	018.9	037.4	100.0000	0083.0	152.6	38.4

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
224.0	001.5144	0086.0	019.1	037.3	100.0000	0083.0	152.5	38.4
225.0	001.5606	0086.0	019.2	037.2	100.0000	0083.0	152.4	38.4
226.0	001.6099	0086.0	019.4	037.0	100.0000	0083.0	152.3	38.4
227.0	001.6601	0086.0	019.5	036.9	100.0000	0083.0	152.2	38.5
228.0	001.7109	0086.0	019.7	036.8	100.0000	0083.0	152.1	38.5
229.0	001.7626	0086.0	019.8	036.6	100.0000	0083.0	152.0	38.5
230.0	001.8150	0086.0	020.0	036.5	100.0000	0083.0	152.0	38.5
231.0	001.9086	0086.0	020.2	036.3	100.0000	0083.0	151.8	38.5
232.0	002.0045	0086.0	020.5	036.2	100.0000	0083.0	151.7	38.6
233.0	002.1028	0086.0	020.7	036.0	100.0000	0083.0	151.5	38.6
234.0	002.2034	0086.0	020.9	035.9	100.0000	0083.0	151.4	38.6
235.0	002.3064	0086.0	021.2	035.7	100.0000	0083.0	151.3	38.6
236.0	002.4117	0086.0	021.4	035.6	100.0000	0083.0	151.2	38.6
237.0	002.5194	0086.0	021.6	035.4	100.0000	0083.0	151.1	38.6
238.0	002.6295	0086.0	021.8	035.2	100.0000	0083.0	151.1	38.7
239.0	002.7419	0086.0	022.0	035.1	100.0000	0083.0	151.0	38.7
240.0	002.8566	0086.0	022.3	034.9	100.0000	0083.0	151.0	38.7
241.0	002.9484	0086.0	022.4	034.7	100.0000	0083.0	151.0	38.7
242.0	003.0417	0086.0	022.6	034.6	100.0000	0083.0	151.0	38.7
243.0	003.1364	0086.0	022.7	034.4	100.0000	0083.0	151.1	38.7
244.0	003.2325	0086.0	022.9	034.3	100.0000	0083.0	151.1	38.6
245.0	003.3302	0086.0	023.1	034.1	100.0000	0083.0	151.2	38.6
246.0	003.4292	0086.0	023.2	033.9	100.0000	0083.0	151.3	38.6
247.0	003.5297	0086.0	023.4	033.8	100.0000	0083.0	151.4	38.6
248.0	003.6317	0086.0	023.5	033.6	100.0000	0083.0	151.4	38.6
249.0	003.7351	0086.0	023.7	033.5	100.0000	0083.0	151.6	38.6
250.0	003.8400	0086.0	023.8	033.3	100.0000	0083.0	151.7	38.6
251.0	003.9172	0086.0	023.9	033.1	100.0000	0083.0	151.8	38.5
252.0	003.9951	0086.0	024.0	033.0	100.0000	0083.0	152.0	38.5
253.0	004.0739	0086.0	024.2	032.8	100.0000	0083.0	152.2	38.5
254.0	004.1533	0086.0	024.3	032.7	100.0000	0083.0	152.4	38.4
255.0	004.2336	0086.0	024.4	032.6	100.0000	0083.0	152.6	38.4
256.0	004.3146	0086.0	024.5	032.4	100.0000	0083.0	152.8	38.4
257.0	004.3964	0086.0	024.6	032.3	100.0000	0083.0	153.0	38.3
258.0	004.4790	0086.0	024.7	032.1	100.0000	0083.0	153.3	38.3
259.0	004.5623	0086.0	024.8	032.0	100.0000	0083.0	153.5	38.2
260.0	004.6464	0086.0	024.9	031.8	100.0000	0083.0	153.7	38.2
261.0	004.7100	0086.0	025.0	031.7	100.0000	0083.0	154.0	38.2
262.0	004.7740	0086.0	025.0	031.6	100.0000	0083.0	154.3	38.1
263.0	004.8384	0086.0	025.1	031.5	100.0000	0083.0	154.6	38.1
264.0	004.9033	0086.0	025.2	031.3	100.0000	0083.0	154.9	38.0
265.0	004.9686	0086.0	025.3	031.2	100.0000	0083.0	155.2	38.0
266.0	005.0343	0086.0	025.3	031.1	100.0000	0083.0	155.5	37.9
267.0	005.1005	0086.0	025.4	031.0	100.0000	0083.0	155.8	37.8
268.0	005.1671	0086.0	025.5	030.9	100.0000	0083.0	156.1	37.8