

**Minor Change Application
Community Change Request
WPHR-FM Ch 295 106.9 MHz
Auburn to Solvay, New York
September 2008**

Technical Narrative

This technical narrative and accompanying Figures have been prepared on behalf of station WPHR-FM, Auburn, New York, Facility ID No. 25018, in support of a minor change application to specify operations on channel 295B1 at Solvay, New York, in lieu of channel 295B at Auburn, New York.

As the requested change is mutually exclusive with the Station's current allotment, this modification is appropriately requested on a minor modification application. See 47 C.F.R. Sections 73.203(a), 73.3573(a)(i) and 73.3573(g).

The following is a summary of the merits of this proposal:

- The community of Solvay, New York (2000 Census population 6,845 persons) would be provided with its first local aural transmission service.
- The community of Auburn, New York (2000 Census population 28,574 persons) would continue to have local aural transmission service from WWLF(AM), WAUB(AM) and WDWN(FM).
- The proposed channel 295B1 allotment site at Solvay, New York satisfies the Commission's allocations spacing rules for a fully spaced, full 25 kilowatt ("kW") Class B1 facility.¹

¹ The proposed allotment reference coordinates are 42° 56' 28.0" North, 76° 18' 00.0" West. See this Exhibit under the heading "Compliance with FCC Rules" for details on allocations considerations with respect to this site. Also see *Figure 1* accompanying this Exhibit for the allocations spacing study.

- The 60 dBu service area associated with the proposed operation of WPHR-FM on channel 295B1 at Solvay, New York would encompass 589,447 persons.
- The channel 295B at Auburn, New York 60 dBu loss area is well served by a number of radio services.²

Table of Figures Accompanying this Exhibit

Figure 1	WPHR-FM Channel 295B1 Allocations Spacing Study at Allocations Site
Figure 2	WPHR-FM 60 dBu Gain and Loss Areas
Figure 3	Tabulation of Services to WPHR-FM 60 dBu Loss Area
Figure 4	Map of Services to WPHR-FM 60 dBu Loss Area
Figure 5	WPHR-FM Present and Proposed 70 dBu Service
Figure 6	Map of Protected Service to Proposed Community of License
Figure 7	Table of Protected Service to Proposed Community of License

² See Figures 3 and 4.

Proposed Change

Auburn is located in Cayuga County, New York, and has a 2000 U.S. Census population of 28,574 persons. Auburn would continue to be served by local aural transmission services, specifically, WWLF(AM), WAUB(AM) and WDWN(FM).

Solvay is located in Onondaga County, New York, and has a 2000 U.S. Census population of 6,845 persons. Solvay has no local FM or AM aural transmission service and, therefore, this proposal would bring a first local aural transmission service to Solvay.

Compliance With FCC Rules

The attached *Figure 1* is a tabulation of required separations pertinent to use of channel 295B1 at Solvay, New York. The allotment reference site complies with the Commission's minimum distance separations contained in Section 73.207 of the FCC's rules to all existing, authorized and proposed stations and allotments as a full 25 kW Class B1 allotment, except for WPHR-FM's existing channel 295B operation at Auburn, New York, for which this proposal is a mutually exclusive substitute.

Operation from the channel 295B1 reference site would provide the requisite community grade (70 dBu) signal to all of Solvay.³ *Figure 5* is a map which depicts the community grade coverage (70 dBu) contour based on maximum Class B1 facilities (ERP 25 kW/HAAT 100 meters) at the proposed allotment site. As shown, all (100%) of Solvay is located within the predicted 70 dBu community grade contour.

Proposed 60 dbu Area

There would be 589,447 persons residing within the proposed WPHR-FM 60 dBu contour as calculated from the proposed allotment reference site and based on maximum Class B1 facilities; the area within WPHR-FM's proposed 60 dBu contour would be 4,772 square kilometers.

³ See Figure 5 herein.

Proposed 70 dbu Area

There would be 353,150 persons residing within the proposed WPHR-FM's 70 dBu contour as calculated from the proposed allotment reference site and based on maximum Class B1 facilities; the area within WPHR-FM's proposed 70 dBu contour would be 1,660 square kilometers.

60 dbu Gain and Loss Areas

There are currently 755,044 persons residing within the WPHR-FM 60 dBu contour. There would be 589,447 persons residing within the proposed WPHR-FM 60 dBu contour; 563,892 persons currently residing within the WPHR-FM 60 dBu contour would continue to receive service under this proposal; 191,112 persons would lose service; and 25,555 persons would gain new 60 dBu service as a result of the proposed operation at Solvay, for a net aggregate loss of 165,557 persons. See *Figure 2*.

The 60 dBu loss area related to the modification of WPHR-FM to Solvay is well served by many aural services. See *Figures 3 and 4*.

Urbanized Area Considerations

The proposed channel 295B1 70 dBu contour would encompass 61% of the population and 62% of the area of the Syracuse, New York Urbanized Area.

Coverage Contours

The FM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.313, except that, in accordance with current FCC practice, uniform terrain was assumed in all directions. The AM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.182.

Population and Area

The population within the FM service contour (70 dBu or 60 dBu) was calculated using a computer program that utilizes the 2000 U.S. Census database of "population centroids". The program adds the populations of those U.S. Census designated areas whose centroid lies within each service area.

Protected Service to Proposed Community of License

Solvay, New York, the proposed community of license, currently receives protected aural service from 25 radio stations, as shown in *Figures 6 and 7* (counting those stations which provide protected service to at least 80 percent of the area of the community of license).

Conclusion

WPHR-FM can be modified from operation on channel 295B at Auburn, New York, to operation on channel 295B1 at Solvay, New York, in compliance with all applicable Commission rules. The community of Solvay, New York would be provided with a first local aural transmission service, and the community of Auburn, New York would continue to have local aural transmission services. No service would be lost in any underserved area⁴ and no new underserved areas would be created as a result of this proposal. Therefore, the licensee requests the issuance of a construction permit for the minor modification of WPHR-FM to specify operations on channel 295B1 at Solvay, New York.

⁴ Defined as an area receiving service from less than five aural broadcast services. In the case of this proposal, the 60 dBu loss areas will continue to receive 60 dBu service from multiple sources, local and distant. See *Figures 3 and 4*.

Respectfully submitted,

Troy G. Langham
FCC Engineering Supervisor
September 2008

Figure 1

Spacing Study at Allocation Site

ComStudy 2.2 search of channel 295 (106.9 MHz Class B1) at 42-56-28.0 N, 76-18-00.0 W.

Callsign	State	City	Freq	Chanl	ERP_w	Class	Status	Dist_km	Sep	Clr
WPHR-FM	NY	AUBURN	106.9	295	14000	B	LIC	19.15	211	-191.9
WBDR	NY	COPENHAGEN	106.7	294	1800	C3	LIC	114.38	114	0.4
WMCR-FM	NY	ONEIDA	106.3	292	1250	A	LIC	53.01	48	5
WKRH	NY	MINETTO	106.5	293	5000	A	LIC	54.63	48	6.6
WRRQ	NY	WINDSOR	106.7	294	680	A	LIC	110.25	96	14.2
WKGS	NY	IRONDEQUOIT	106.7	294	3500	A	LIC	111.02	96	15
WPHR-FM2	NY	SYRACUSE	106.9	295	1740	D	CP	17.19	0	17.2
WPHR-FM2	NY	SYRACUSE	106.9	295	1740	D	LIC	17.19	0	17.2
	ON	TRENTON	107.1	296	0	B		171.79	149	22.8
WRCK	NY	UTICA	107.3	297	50000	B	LIC	94.37	71	23.4
NEW	NY	CORTLAND	96.3	242	10	D	APP	29.48	0	29.5

Figure 2
60 dBu Gain Loss Areas

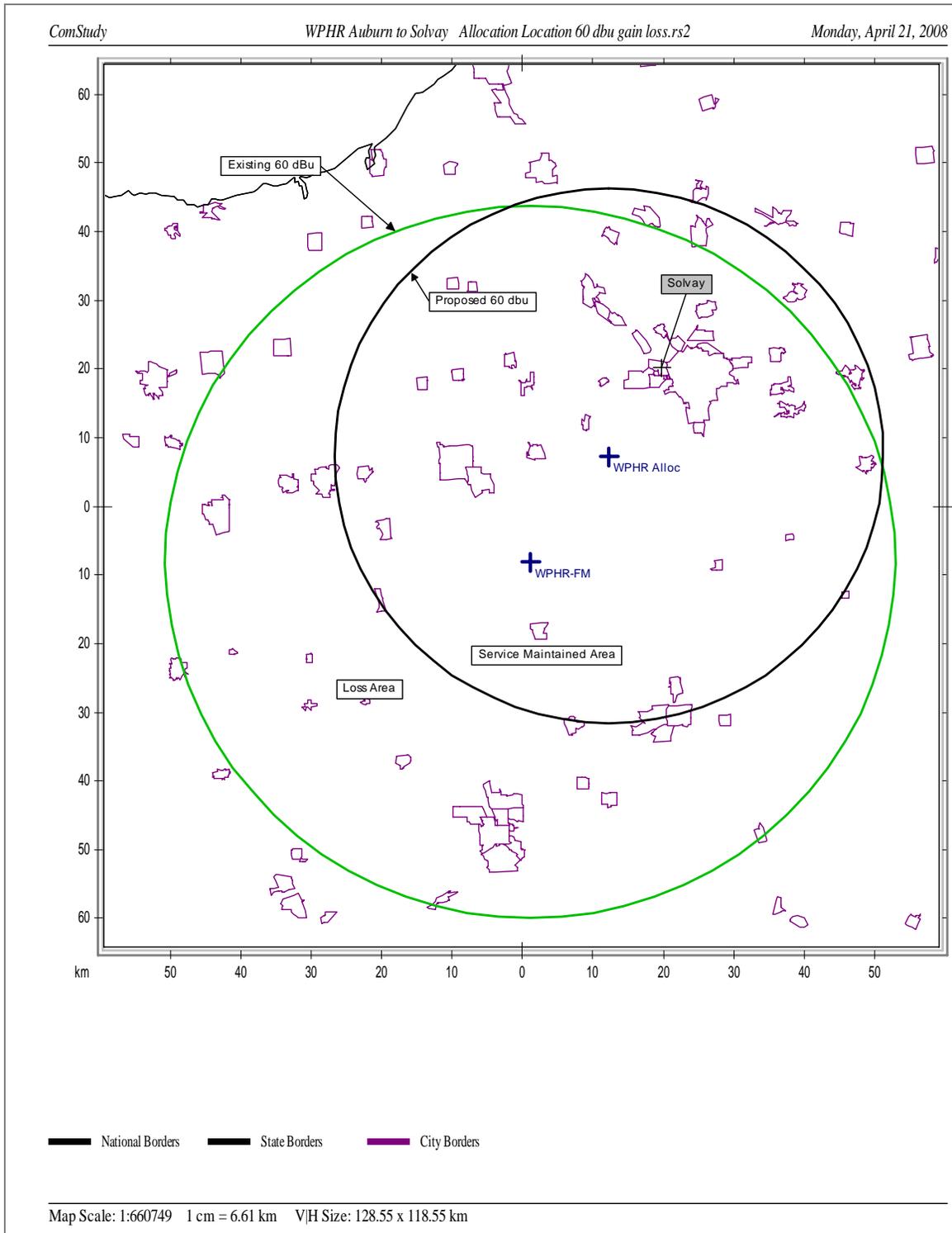


Figure 3
Tabulation of Services to Loss Area

Call Sign	Facility_id	City	State
WFLK	40804	GENEVA	NY
WNKI	53611	CORNING	NY
WEOS	65559	GENEVA	NY
WCIY	20643	CANANDAIGUA	NY
WVOR	8505	CANANDAIGUA	NY
WCRR	27580	SOUTH BRISTOL TOWNSH	NY
WFRW	20953	WEBSTER	NY
WFXF	24958	HONEOYE FALLS	NY
WBEE-FM	71206	ROCHESTER	NY
WFLR-FM	36406	DUNDEE	NY
WQNY	32390	ITHACA	NY
WDWN	9426	AUBURN	NY
WLLW	5392	SENECA FALLS	NY
WSUC-FM	63111	CORTLAND	NY
WVBR-FM	13909	ITHACA	NY
WCNY-FM	66284	SYRACUSE	NY
WICB	29274	ITHACA	NY
WXHC	20318	HOMER	NY
WWHT	57842	SYRACUSE	NY
WSQG-FM	74054	ITHACA	NY
WCII	20635	SPENCER	NY
WYXL	18051	ITHACA	NY
WNGZ	49449	MONTOUR FALLS	NY
WCOV-FM	34561	CLYDE	NY
WYYY	48725	SYRACUSE	NY
WPHR-FM	25018	AUBURN	NY
WIII	9427	CORTLAND	NY
WMHR	40432	SYRACUSE	NY
WNTQ	50514	SYRACUSE	NY
WNYR-FM	36288	WATERLOO	NY
WPGI	10688	HORSEHEADS	NY
WNTQ	50514	SYRACUSE	NY
WTKV	24131	OSWEGO	NY
WZUN	60253	PHOENIX	NY
WRVO	63115	OSWEGO	NY
WKRH	56996	MINETTO	NY
WAQX-FM	52606	MANLIUS	NY
WSEN-FM	7716	BALDWINVILLE	NY
WBBS	48730	FULTON	NY
WMRV-FM	19626	ENDICOTT	NY
WHWK	72373	BINGHAMTON	NY
WWDG	22134	DERUYTER	NY
WAAL	7920	BINGHAMTON	NY
WSKG-FM	74039	BINGHAMTON	NY
WCGR	8504	CANANDAIGUA	NY
WYLF	39466	PENN YAN	NY

WGVA	36290	GENEVA	NY
WABH	52119	BATH	NY
WACK	52123	NEWARK	NY
WATS	71104	SAYRE	PA
WWLZ	10687	HORSEHEADS	NY
WELM	52120	ELMIRA	NY
WNYY	32391	ITHACA	NY
WHCU	18048	ITHACA	NY
WYBY	9428	CORTLAND	NY
WPIE	52124	TRUMANSBURG	NY
WSYR	48720	SYRACUSE	NY
WEHH	55271	ELMIRA HTS-HORSEHDS	NY
WEBO	71398	OWEGO	NY
WSFW	5391	SENECA FALLS	NY
WAUB	43791	AUBURN	NY
WRCE	49446	WATKINS GLEN	NY
WWLF	25001	AUBURN	NY
WLNL	37481	HORSEHEADS	NY
WFLR	36407	DUNDEE	NY
WENE	19625	ENDICOTT	NY
WNSS	50515	SYRACUSE	NY
WFBL	34821	SYRACUSE	NY
WAMF	52370	FULTON	NY
WSGO	24130	OSWEGO	NY
WHEN	7080	SYRACUSE	NY
WINR	67191	BINGHAMTON	NY
WNBF	72372	BINGHAMTON	NY
WYOS	7921	BINGHAMTON	NY

Figure 4
Map of Services to Loss Area

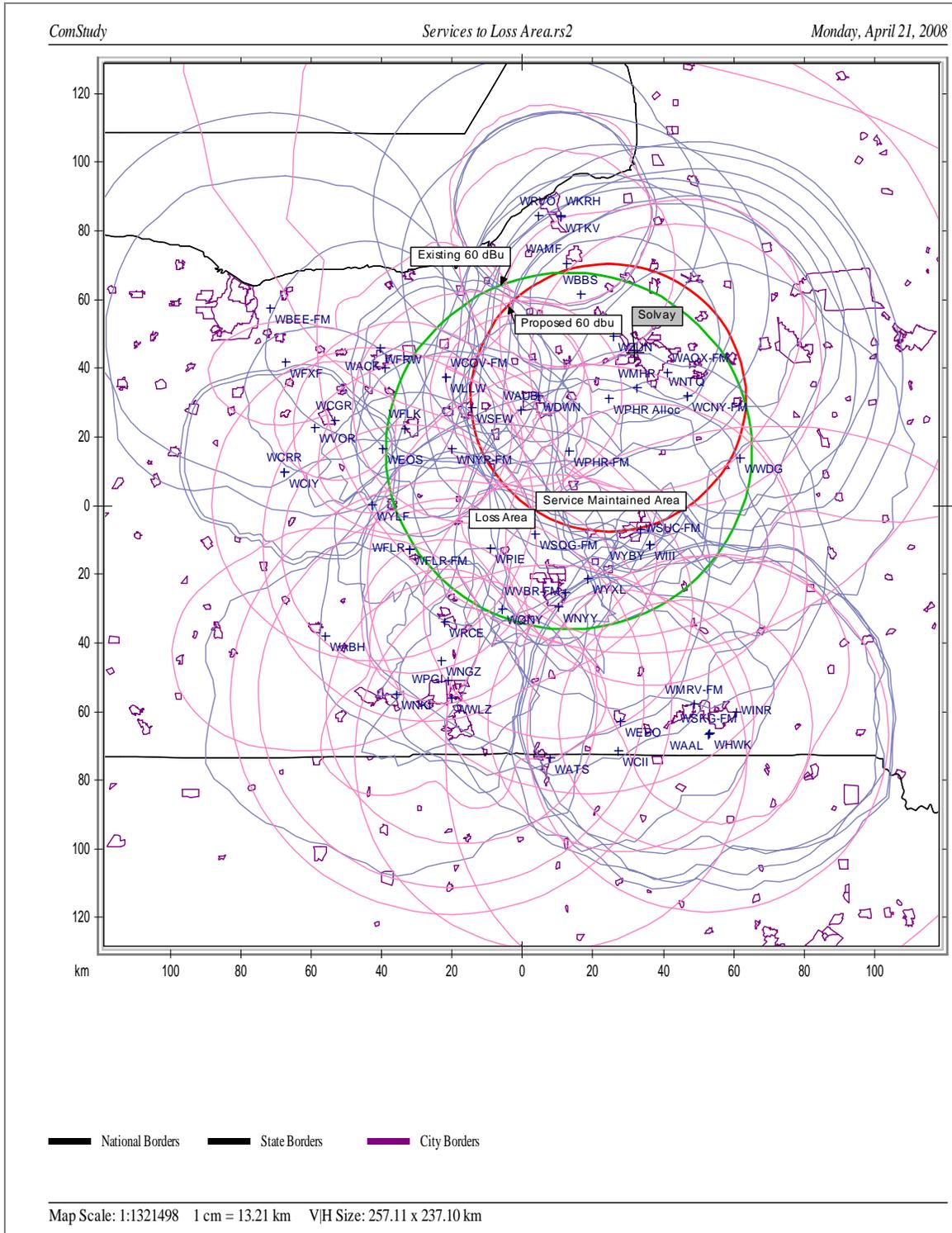


Figure 5
Present and Proposed 70 dBu Service

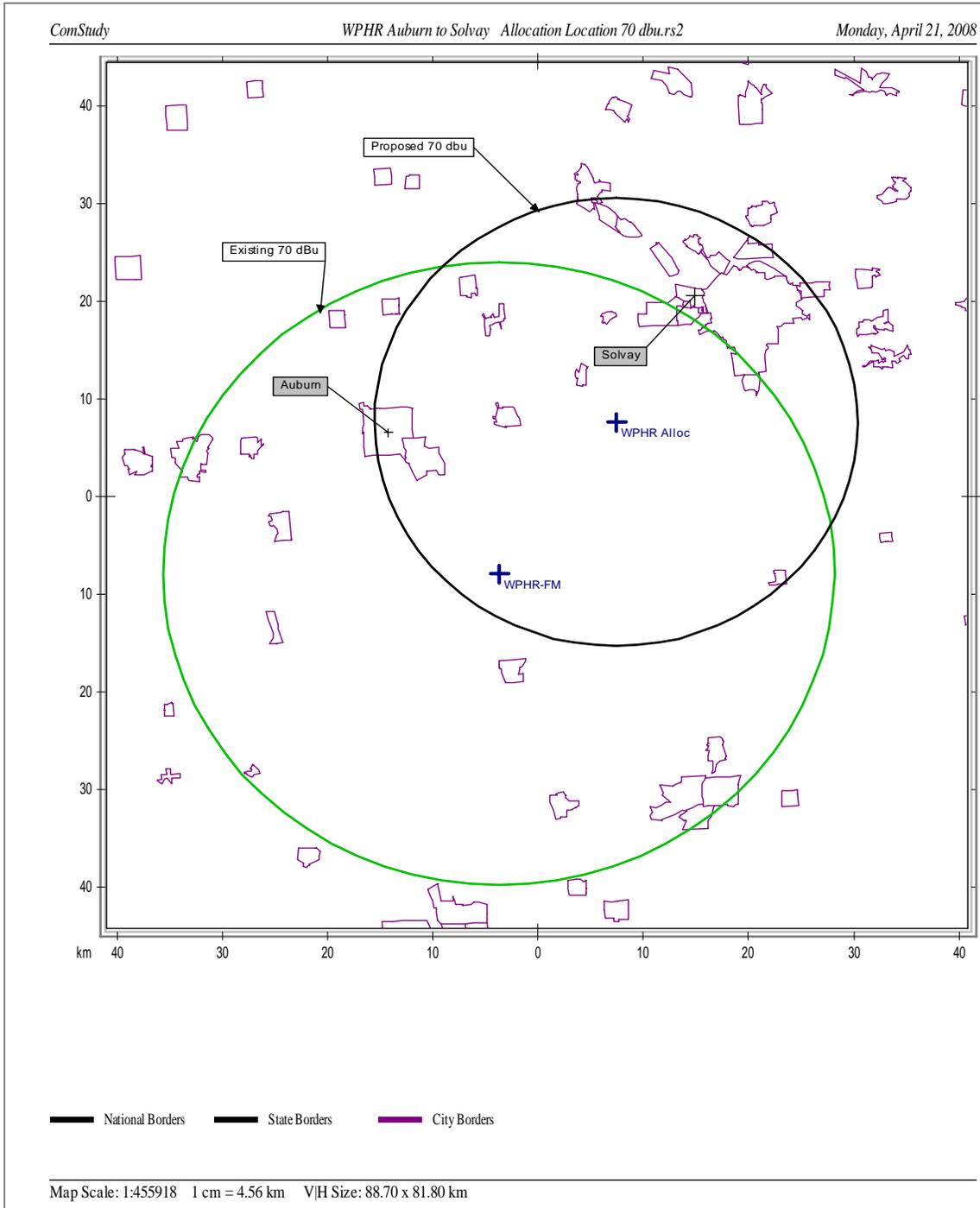


Figure 6

Map of Protected Service to Proposed Community of License

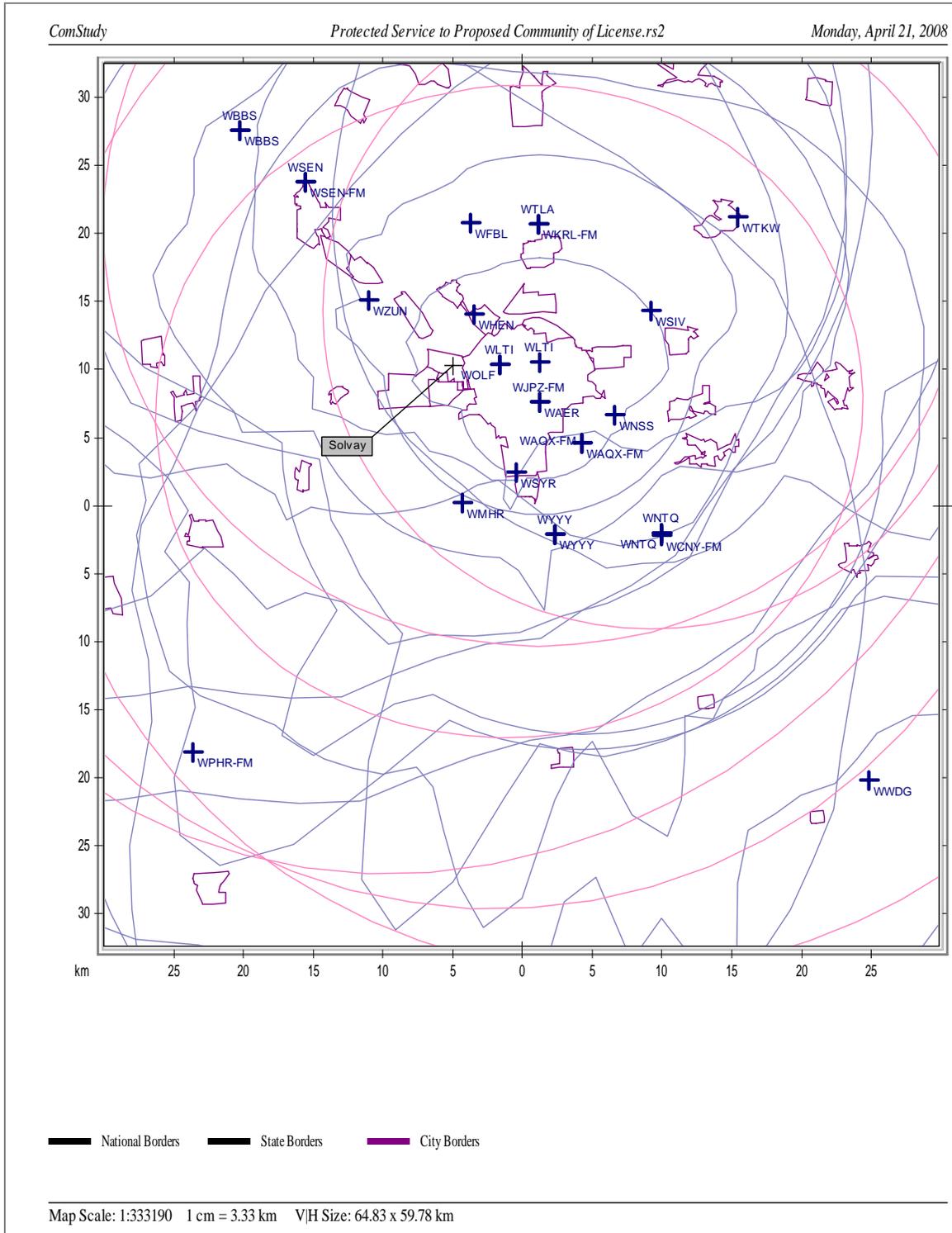


Figure 7

Table of Protected Service to Proposed Community of License

Call Sign	Facility_id	City	State
WHEN	7080	SYRACUSE	NY
WSEN	7712	BALDWINVILLE	NY
WSEN-FM	7716	BALDWINVILLE	NY
WSIV	22133	E. SYRACUSE	NY
WWDG	22134	DERUYTER	NY
WTKW	22234	BRIDGEPORT	NY
WPHR-FM	25018	AUBURN	NY
WFBL	34821	SYRACUSE	NY
WMHR	40432	SYRACUSE	NY
WSYR	48720	SYRACUSE	NY
WYYY	48725	SYRACUSE	NY
WBBS	48730	FULTON	NY
WNTQ	50514	SYRACUSE	NY
WNTQ	50514	SYRACUSE	NY
WNSS	50515	SYRACUSE	NY
WAQX-FM	52606	MANLIUS	NY
WTLA	54546	NORTH SYRACUSE	NY
WKRL-FM	54547	NORTH SYRACUSE	NY
WWHT	57842	SYRACUSE	NY
WLTJ	58719	SYRACUSE	NY
WZUN	60253	PHOENIX	NY
WAER	64354	SYRACUSE	NY
WCNY-FM	66284	SYRACUSE	NY
WJPZ-FM	73148	SYRACUSE	NY
WOLF	73380	SYRACUSE	NY