

Technical Report
In Support of a
47 C.F.R. Section 73.3555
Based
Interim Contour Method Multiple
Ownership Study

for

select stations within the
Saga Communications of New England, LLC
Ithaca, NY Region
"Interim Method Market A"

WFIZ(FM) - ODESSA, NY (Facility ID: 36406)
WHCU(AM) - ITHACA, NY (Facility ID: 18048)
WIII(FM) - CORTLAND, NY (Facility ID: 9427)
WNYN(AM) - ITHACA, NY (Facility ID: 32391)
WQNY(FM) - ITHACA, NY (Facility ID: 32390)
WYXL(FM) - ITHACA, NY (Facility ID: 18051)

EXPLANATION OF REPORT: This Technical Report has been prepared to determine the number of commercial and non-commercial principal community contours associated with the Transfer/Assignment applications for the below select Saga Communications of New England, LLC stations. These select stations are located in the general area of Ithaca, NY. In this instance, there will be one (1) interim method market and no BIA markets associated with this grouping. Therefore, this common report has been prepared to address the below six (6) Saga Communications of New England, LLC facilities. Ownership studies for other Saga Communications of New England, LLC stations, and other holdings associated with parent company Saga Communications, Inc., have been prepared separately. This Interim Contour-Overlap Methodology Study has been prepared to address the unrated market portions for each filing.

Saga Communications of New England, LLC, presently holds a broadcast interest in six (6) total aural services relevant to these Transfer/Assignment filings. Saga holdings not overlapping these groupings need not be discussed herein. Concerning these relevant holdings, there will be one (1) unique and distinct interim method market within this affected ownership group. "Market A" is comprised of six (6) stations as follows:

"Market A"					
CALL SIGN	CH/FREQ	CITY	STATE	FILE NUMBER	
WHCU (AM)	870	ITHACA	NY	BL20111031ALH	
WNYY (AM)	1470	ITHACA	NY	BL19810324AM	
WFIZ (FM)	238A	Odessa	NY	BLH20080916ABN	
WIII (FM)	260B	Cortland	NY	BLH20090807ACV	
WQNY (FM)	279B	Ithaca	NY	BLH20100518ACY	
WYXL (FM)	247B	Ithaca	NY	BMLH20140219ABB	

EXPLANATION OF METHODOLOGY: The facilities and results reported herein were taken from current copies of AM and FM computer databases as prepared by the FCC and supplied by V-Soft Communications, LLC. The facilities listed above serve as the basis for the respective principal community contours studied. The accuracy of the results of these studies is understood to be limited to the accuracy of these databases. The FCC databases give no indication of licensed facilities that may be inoperative, construction permit facilities that may now be operating under program test authority (but have not yet been issued a license) or facilities which may have been licensed since the last update. Therefore, some stations may have been included or excluded erroneously. However, unless otherwise indicated, all licensed facilities known to be inoperative and all known applications and construction permit facilities, have been eliminated from consideration in this study.

For AM stations, Map M3 soil conductivity values and the authorized licensed transmitting facilities served as the basis for the computation of the predicted 5.0 mV/m groundwave contour in accordance with 47 C.F.R. Section 73.183 of the FCC Rules. The distance to the contour was computed for seventy-two (72) equally spaced azimuths beginning with 0° True. For FM stations, the authorized Center of Radiation and ERP values were utilized to compute the predicted 3.16 mV/m (70 dBμ) contour as provided in 47 C.F.R. Section 73.313 of the Rules. The predicted FM contours shown in this report are based on seventy-two (72) equally spaced terrain radials beginning with 0° True and assume NED 03 Second Terrain data.

As stated before, there will be one (1) unique and distinct interim method market within this affected ownership group. The interim market has been defined, in accordance with 47 C.F.R. Section 73.3555 of the FCC Rules, as the area within the total perimeter formed by the combined principal community contours of each relevant interim market as noted above.

EXPLANATION OF RESULTS: The six (6) stations, under common control and relevant for this ownership group, have been noted in **Exhibit 1.0**. As stated before, no other Saga Communications of New England, LLC holdings, or any other holdings of parent company Saga Communications, Inc., are affected by these stations. To aid in identifying the respective contours, currently controlled AM contours have been shown with solid light red lines. Currently controlled FM contours have been shown with varying-colored solid lines. The "Market A" common overlap area has been designated as well.

For "Market A", the market defining contours have been shown in **Exhibit 2.0** of this report along with a total number of principal community contours entering the market. The defining contours have been shown with yellow lines on this map. AM contours entering the market have been denoted in blue lines. FM contour entering the market have been shown in red lines. As stated before, the contours shown represent the total number of stations entering or defining the market. Co-owned stations entering the market, but not defining the market have been omitted. Under the current rules, the market falls within the minimum limitations set forth in §73.3555(a)(1)(i): *In a radio market with 45 or more full-power, commercial and noncommercial radio stations, not more than 8 commercial radio stations in total and not more than 5 commercial stations in the same service (AM or FM) may be owned.* The principal community contours of fifty-nine (59) other stations entering the market are shown in **Exhibit 2.0**. Including the two (2) AM and four (4) FM station(s) which define the market, there are sixty-five (65) aural services in this market. **Exhibit 2.1** lists the facilities of the individual stations used in this report.

CERTIFICATION OF TECHNICAL CONSULTANT: *I declare, under penalty of perjury, that the contents of this report are true and accurate to the best of my knowledge and belief. I further certify I have over twenty-four years of experience as a broadcast technical consultant before the Federal Communications Commission ("the FCC"); and am familiar with the Code of Federal Regulations Title 47 ("the Rules") as pertaining to this report and its contents herein. The underlying data utilized in this report was taken directly from FCC databases or indirectly through third party software vendors securing data directly from FCC databases. This firm cannot be held liable for errors or omissions resulting from the underlying data. The information contained herein is believed accurate to the date reported below.*


Justin W. Asher
Technical Consultant
July 1, 2023

Exhibit 1 Map of Commonly Owned Stations

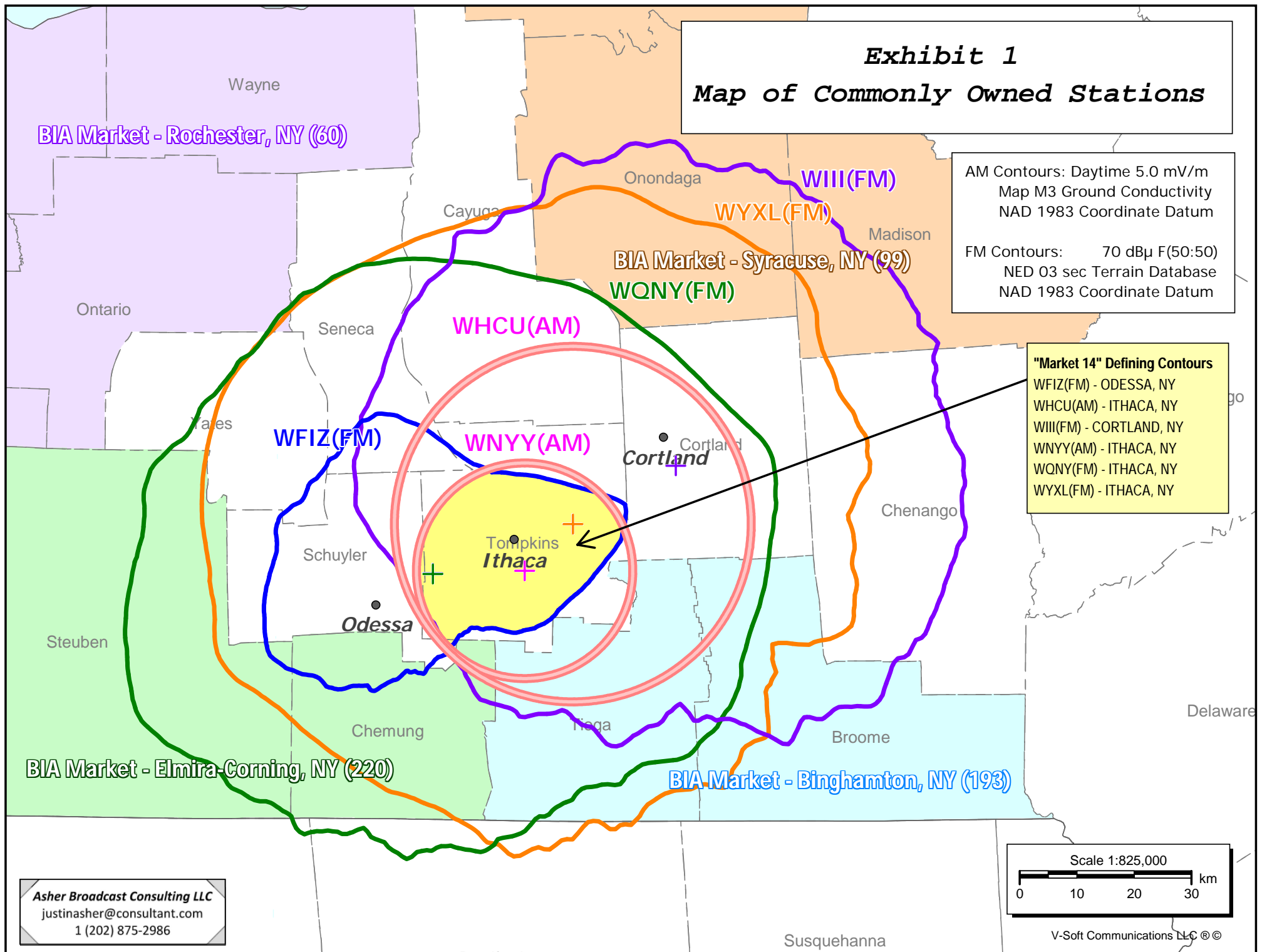


Exhibit 2.0

Map of Stations

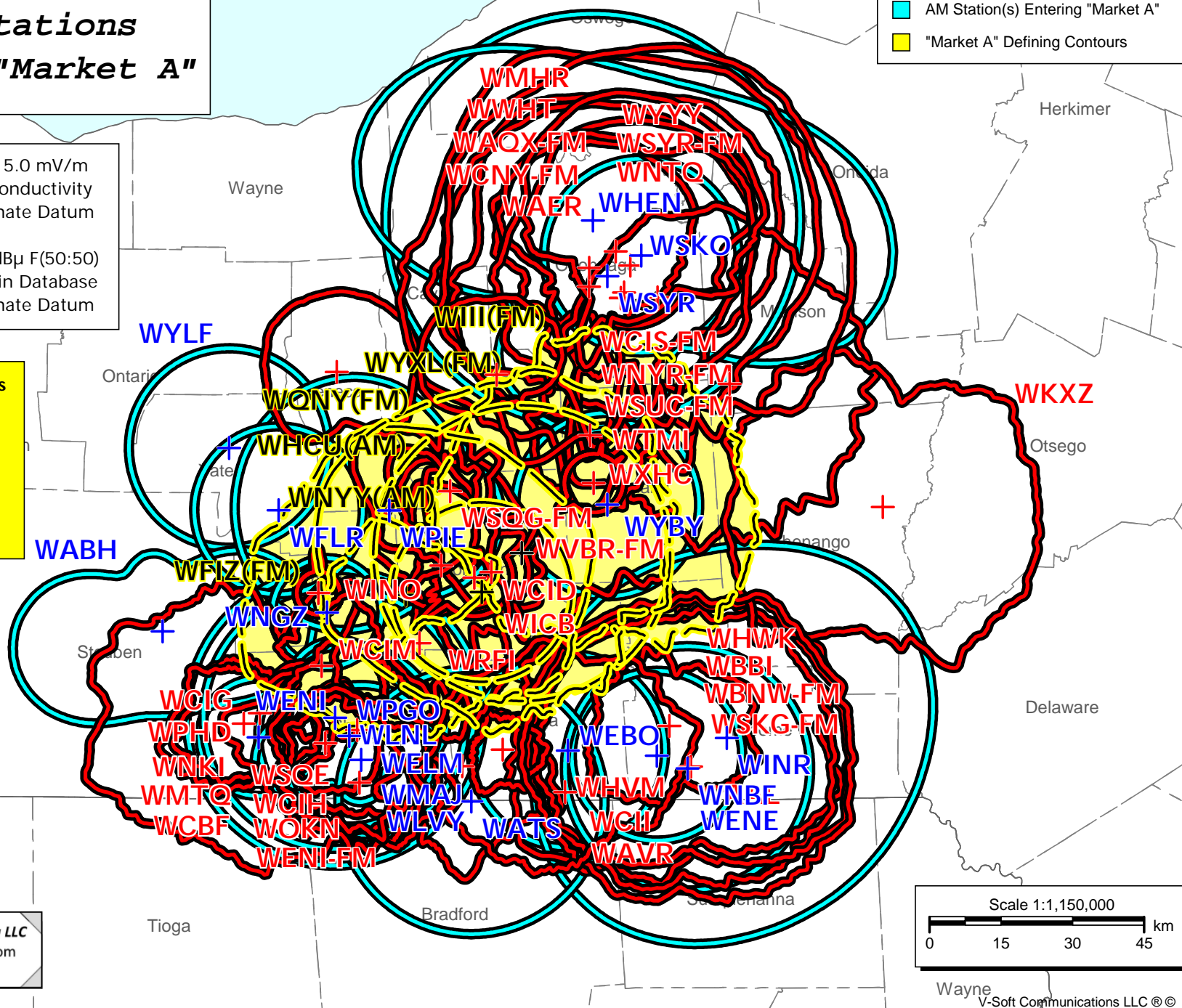
Entering "Market A"

- FM Station(s) Entering "Market A"
- AM Station(s) Entering "Market A"
- "Market A" Defining Contours

AM Contours: Daytime 5.0 mV/m
Map M3 Ground Conductivity
NAD 1983 Coordinate Datum

FM Contours: 70 dBμ F(50:50)
NED 03 sec Terrain Database
NAD 1983 Coordinate Datum

"Market 14" Defining Contours
WHCU(AM) - ITHACA, NY
WNYY(AM) - ITHACA, NY
WFIZ(FM) - ODESSA, NY
WIII(FM) - CORTLAND, NY
WQNY(FM) - ITHACA, NY
WYXL(FM) - ITHACA, NY



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Scale 1:1,150,000
0 15 30 45 km
Wayne
V-Soft Communications LLC ©

Exhibit 2.1

Tabulation of Select Stations Entering “Market A”

Total number of overlapping contours: 65

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WHCU (AM)	AM	870	ITHACA	NY	BL20111031ALH	0.0	0.0
WNYY (AM)	AM	1470	ITHACA	NY	BL19810324AM	11.7	225.9
WFIZ (FM)	FM	238A	Odessa	NY	BLH20080916ABN	25.9	250.5
WIII (FM)	FM	260B	Cortland	NY	BLH20090807ACV	20.6	60.4
WQNY (FM)	FM	279B	Ithaca	NY	BLH20100518ACY	25.9	250.3
WYXL (FM)	FM	247B	Ithaca	NY	BMLH20140219ABB	0.0	71.3

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMTQ	FM	201A	Elmira	NY	BLED20110217ABY	57.2	226.0
WAER	FM	202B	Syracuse	NY	BLED19950203KA	66.2	17.3
WCII	FM	203B	Spencer	NY	BLED19940523KA	50.9	169.8
WTMI	FM	204A	Fleming	NY	BLED20120511AAX	37.7	352.0
WSKG-FM	FM	207B	Binghamton	NY	BLED20040115ABK	57.1	141.7
WRFI	FM	209B1	Odessa	NY	0000205077	28.5	228.7
WITH	FM	211A	Ithaca	NY	BLED20100524AFI	19.9	310.9
WSUC-FM	FM	213A	Cortland	NY	BLED20130528ACR	21.0	45.8
WSQG-FM	FM	215B1	Ithaca	NY	BLED19880622KA	19.9	310.9
WSQE	FM	216B1	Corning	NY	BLED19950830KA	57.3	226.0
WCNY-FM	FM	217B	Syracuse	NY	0000165133	57.3	21.3
WICB	FM	219A	Ithaca	NY	BLED20070413AFA	11.2	242.7
WINO	FM	220A	Watkins Glen	NY	BLED20110826ADZ	43.4	259.0
WHVM	FM	220A	Owego	NY	BLED20141028ABN	41.4	185.6
WNTQ	FM	226B	Syracuse	NY	BMLH20000606AAN	60.7	28.0
WVBR-FM	FM	228A	Ithaca	NY	BLH20170901ABA	7.5	238.2
WKXZ	FM	230B	Norwich	NY	BMLH20041109AAG	76.2	82.8
WCIF	FM	232A	Elmira	NY	0000204436	58.8	215.3
WYYY	FM	233B	Syracuse	NY	BMLH20120607ADA	57.4	21.2
WAQX-FM	FM	239B1	Manlius	NY	BLH19880913KC	64.4	20.7
WCBF	FM	241A	Elmira	NY	BLH20180403AAA	50.6	223.0
WCIG	FM	249A	Big Flats	NY	0000136114	68.3	238.5
WHWK	FM	251B	Binghamton	NY	BLH20040330AAY	57.1	141.7
WNYS-FM	FM	253A	Waterloo	NY	BLH20000807AFJ	54.2	314.5
WPHD	FM	254A	Corning	NY	BLH19990422KF	68.3	238.5
WAAL	FM	256B	Binghamton	NY	BLH20040608ABQ	57.0	142.2
WOKN	FM	258A	Southport	NY	BLH20160311AAR	58.8	215.3
WCID	FM	266A	Enfield	NY	0000177745	17.0	261.3
WXHC	FM	268A	Homer	NY	BMLH20140528AHC	28.5	30.2
WAVR	FM	271A	Waverly	NY	BMLH19990211KC	46.3	195.7
WMHR	FM	275B	Syracuse	NY	BLED19990419KG	57.5	14.2
WCIM	FM	285A	Montour Falls	NY	0000136040	48.1	240.6
WCIS-FM	FM	286B	Deruyter	NY	BMLH20170919AAY	56.2	50.9
WBNW-FM	FM	289B	Endicott	NY	BMLH20070215ABR	47.6	139.6
WNKI	FM	291B	Corning	NY	BLH19801118AH	64.3	238.6
WSYR-FM	FM	295B1	Solvay	NY	BLH20090825BEP	61.4	13.4
WBB1	FM	298A	Endwell	NY	BMLH20070328ACJ	47.6	139.6
WWHT	FM	300B	Syracuse	NY	BLH19781024AG	58.6	21.5
WENI-FM	FM	224A	South Waverly	PA	BLH20171121AAU	58.8	215.3
WATS	AM	960	SAYRE	PA	BL19830301AE	53.1	191.5
WINR	AM	680	BINGHAMTON	NY	BL20000222AAC	57.8	132.1
WNBK	AM	1290	BINGHAMTON	NY	BL19991018AAO	56.9	142.5
WLTV	AM	1600	ELMIRA HTS-HORSEHDS	NY	BL20030501ACS	52.6	223.4
WELM	AM	1410	ELMIRA	NY	BL19871026AH	52.6	223.4
WNGZ	AM	1490	WATKINS GLEN	NY	BL20100820ABY	42.7	253.1
WYBY	AM	920	CORTLAND	NY	BML20070105AEY	20.6	60.5
WENE	AM	1430	ENDICOTT	NY	BMML20180227ABL	51.0	146.3
WEBO	AM	1330	OWEGO	NY	BL20080923AEN	42.5	166.9
WFLR	AM	1570	DUNDEE	NY	BL19830414AC	51.7	280.0
WMAJ	AM	1230	ELMIRA	NY	BL20140602BEZ	54.8	217.9
WPGO	AM	820	HORSEHEADS	NY	BML20210225AAF	52.1	228.6
WSYR	AM	570	SYRACUSE	NY	BZ20200514AAO	60.7	17.2
WP1E	AM	1160	TRUMANSBURG	NY	BL19940520AC	29.2	287.9
WLNL	AM	1000	HORSEHEADS	NY	BL19890303AH	52.1	228.6
WABH	AM	1380	BATH	NY	BL20070529AKB	77.0	257.8
WENI	AM	1450	CORNING	NY	BL19980616AC	67.3	235.1
WYLF	AM	850	PENN YAN	NY	BL19981026AC	65.1	289.8
WHEN	AM	620	SYRACUSE	NY	BL19990713DC	71.3	12.1
WSKO	AM	1260	SYRACUSE	NY	BL19840621AF	67.2	21.9

Distance and bearing calculations from coordinates: 42-27-54 N, 076-22-23 W

TV: Not Included

FM: 3.16 mV/m (70 dBu); Include NCE

AM: 5.0 mV/m

Stations more than 92 km from the common area were excluded

* Co-owned stations entering, but not defining the market, have been excluded.

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