

MULTIPLE SERVICES STUDY

Saga Communications of Charlottesville, Llc.

Associated with the
Minor Change Modification
(Correction of Coordinates)
of

WINA(AM) – Charlottesville, VA
Frequency: 1070 kHz
Facility ID Number 10649

Interim Contour Methodology

September 2014

CERTIFICATION OF ENGINEERS

The firm of Munn-Reese, Inc., Broadcast Engineering Consultants, with offices at 385 Airport Drive, Coldwater, Michigan, has been retained for the purpose of preparing the technical data forming this report.

The data utilized in this report was taken from the FCC Secondary Database and data on file. While this information is believed accurate, errors or omissions in the database and file data are possible. This firm may not be held liable for damages as a result of such data errors or omissions.

The report has been prepared by properly trained electronics specialists under the direction of the undersigned whose qualifications are a matter of record before the Federal Communications Commission.

I declare under penalty of the laws of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

September 19, 2014

MUNN-REESE, INC.

By 
Wayne S. Reese, President

385 Airport Drive, PO Box 220
Coldwater, Michigan 49036

By 
Justin W. Asher, Project Engineer

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Engineering Statement

This firm was retained to determine the number of commercial and non-commercial principal community contours associated with this Minor Change (Correction of Coordinates) Modification of WINA(AM) – Charlottesville, VA (Facility ID: 10649). WINA(AM) presently operates and will continue to operate on 1070 kHz. This proposed facility modification for WINA(AM) is subject to analysis under the *Interim Contour-overlap Methodology* as this new facility does not appear in any Arbitron Market as reported by BIA, nor does the community of license, Charlottesville, VA, reside within any Arbitron Market boundary.

Saga Communications of Charlottesville, Llc. and its parent company Saga Communications Inc. presently holds broadcast interests nationwide, however this modification will only affect the attributable interests in the immediate Charlottesville, VA area. Therefore only the relevant holdings will be addressed here-in. There is one (1) unique and distinct market which will result within this affected ownership group. “Market A” is comprised of five (5) stations: WWWV(FM) - Charlottesville VA; WQMZ(FM) - Charlottesville VA; WCNR(FM) – Keswick, VA; WVAX(AM) - Charlottesville VA; and the proposed WINA(AM).A - Charlottesville VA modification. As stated before, *Interim Contour-overlap Methodology* studies for “Market A” have been supplied here-in.

The existing facilities of the stations included in this report were determined by the use of currently updated copies of the FCC computer databases of AM and FM stations. The listed facilities served as the basis for the computation of the respective principal community contours. The accuracy of the results of this study 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 M-3 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 §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 dBu) contour as provided in §73.313 of the Rules. The predicted FM contours shown in this report are based on the use of 72 equally spaced terrain radials beginning with 0° True.

As stated before, there will be one (1) unique and distinct market associated with this modification. The market has been defined, in accordance with §73.3555 of the FCC Rules, as the area within the total perimeter formed by the combined principal community contours of WWWV(FM), WQMZ(FM), WCNR(FM), WVAX(AM) and WINA(AM).A.

Engineering Statement (continued)

Exhibit 1.0 shows the five (5) stations under common control or proposed to be under common control which are relevant for this ownership group. As stated before, no other Saga Communications' holdings are relevant for this modification. To aid in identifying the respective contours, current AM contours have been shown with solid pink lines, while current FM contours have been shown with solid blue lines. The facility to be modified has been shown in a dashed green line. The "Market A" common overlap areas have been designated as well.

For "Market A", the market defining contours have been shown in **Exhibit 2.0** of this report along with a minimum 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 light orange lines. FM contour entering the market have been shown in light purple lines. As stated before, the contours shown only represent enough stations to satisfy the minimum requirement of the Rules. Co-owned stations entering the market, but not defining the market have been omitted. A complete tabulation of stations entering "Market A" will be supplied upon request.

Under the current rules, the market falls at least within the minimum limitations set forth in §73.3555 (a)(1)(iii): ***(iii) In a radio market with between 15 and 29 (inclusive) full-power, commercial and noncommercial radio stations, not more than 6 commercial radio stations in total and not more than 4 commercial stations in the same service (AM or FM).*** The principal community contours of at least fifteen (15) other stations entering the market are shown in **Exhibit 2.0**. Including the three (3) FM station(s) and two (2) AM station(s) which define the market there are at least twenty (20) aural services in this market. **Exhibit 2.1** lists the facilities of the individual stations used in this report.

70 dBμ F(50:50) FM Contours
NED 03 SEC Terrain Database

5.0 mV/m AM Daytime Contour
Map M3 Ground Conductivity

Exhibit 1.0 Map of Commonly Owned Stations

Callsign	Chan	City	St	File Number
WWWV(FM)	248B	Charlottesville	VA	BMLH19980925KA
WQMZ(FM)	236A	Charlottesville	VA	BLH20000120AAT
WCNR(FM)	291A	Keswick	VA	BLH20060921AAT
WVAX(AM)	1450	CHARLOTTESVILLE	VA	BL20060404AHF
WINA(AM).A	1070	CHARLOTTESVILLE	VA	BP20140627AAI

- FM Station(s) - Currently Owned (Solid Lines)
- AM Station(s) - Currently Owned (Solid Lines)
- AM Station - To Be Modified (Dashed Line)

"Market A"
Common Overlap Area
WWWV(FM) - Charlottesville VA
WQMZ(FM) - Charlottesville VA
WCNR(FM) - Keswick, VA
WVAX(AM) - Charlottesville VA
WINA(AM).A - Charlottesville VA

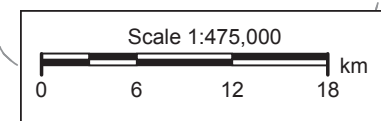


Exhibit 1.0 Map of Stations Entering "Market A"

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

70 dBμ F(50:50) FM Contours
NED 03 SEC Terrain Database

5.0 mV/m AM Daytime Contour
Map M3 Ground Conductivity

"Market A"
Common Overlap Area
WWWV(FM) - Charlottesville VA
WQMZ(FM) - Charlottesville VA
WCNR(FM) - Keswick, VA
WVAX(AM) - Charlottesville VA
WINA(AM).A - Charlottesville VA

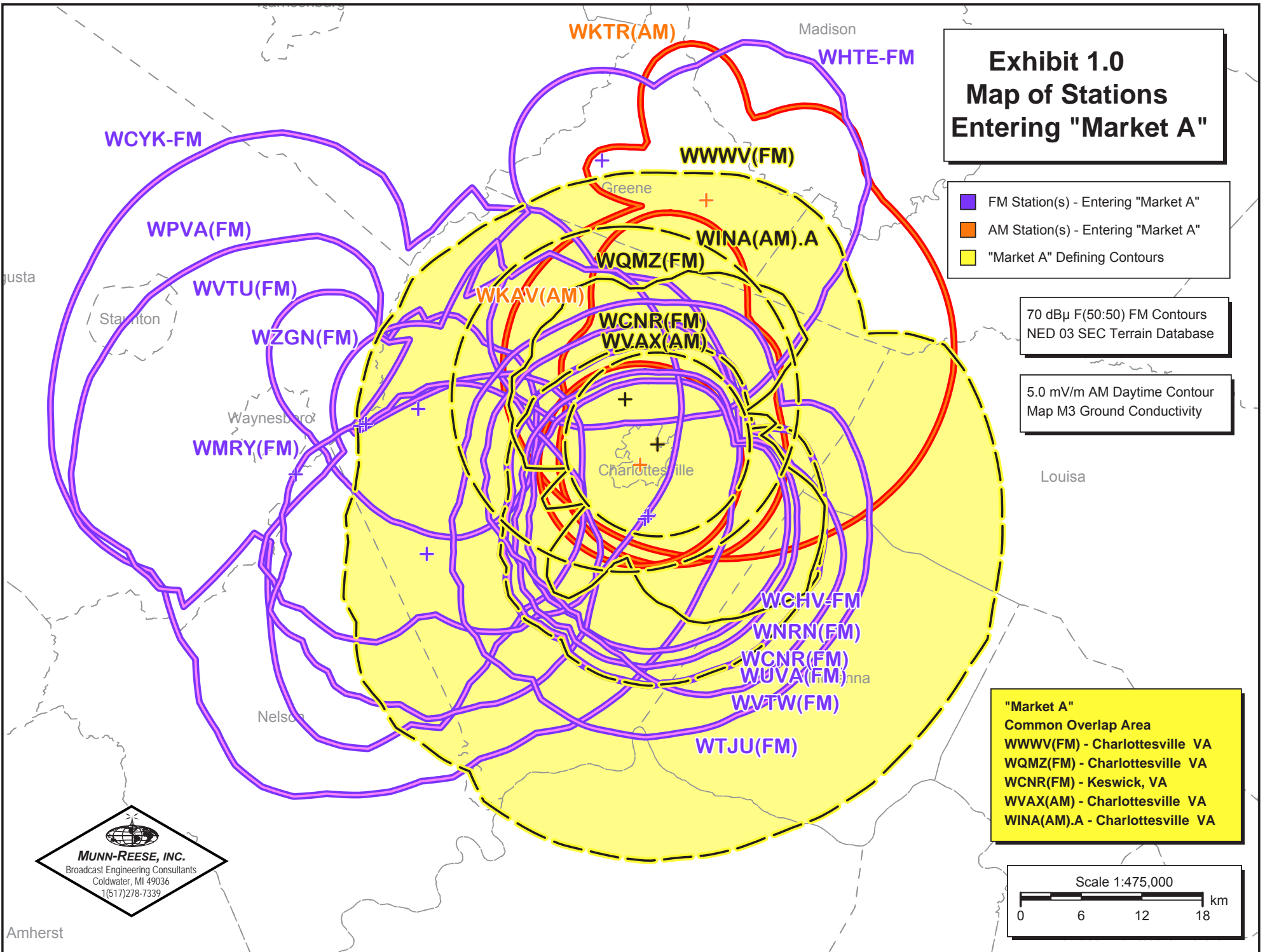
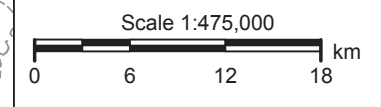


Exhibit 2.1

Tabulation of Select Stations Entering "Market A"

Stations Entering Market A: (No Less than 20)

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WWWV(FM)	FM	248B	Charlottesville	VA	BMLH19980925KA	0.0	0.0
WQMZ(FM)	FM	236A	Charlottesville	VA	BLH20000120AAT	7.1	7.3
WCNR(FM)	FM	291A	Keswick	VA	BLH20060921AAT	0.0	38.4
WVAX(AM)	AM	1450	CHARLOTTESVILLE	VA	BL20060404AHF	7.1	7.3
WINA(AM) .A	AM	1070	CHARLOTTESVILLE	VA	PROPOSED	11.8	348.8

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WVTW(FM)	FM	203B1	Charlottesville	VA	BLD20120327ALP	0.5	227.9
WTJU(FM)	FM	216B1	Charlottesville	VA	BLD20121120AAA	0.5	227.9
WNRN(FM)	FM	220A	Charlottesville	VA	BLD19970121KB	0.5	227.9
WUVA(FM)	FM	224A	Charlottesville	VA	BLH19981119KC	0.1	27.8
WCNR(FM)	FM	291A	Keswick	VA	BLH20060921AAT	0.0	38.4
WMRY(FM)	FM	278A	Crozet	VA	BLD19950524KC	22.2	260.3
WZGN(FM)	FM	272A	Crozet	VA	BLH19900816KC	25.1	294.9
WCHV-FM	FM	298A	Charlottesville	VA	BLH19960112KD	0.0	0.0
WPVA(FM)	FM	211B1	Waynesboro	VA	BLD19990723KA	35.1	276.7
WHTE-FM	FM	270A	Ruckersville	VA	BLH19930607KB	35.4	352.6
WCYK-FM	FM	259B	Staunton	VA	BLH19891222KD	29.9	287.3
WVTU(FM)	FM	207B1	Charlottesville	VA	BLD19901212KA	29.4	288.0
WKAV(AM)	AM	1400	CHARLOTTESVILLE	VA	BL	5.1	351.0
WKTR(AM)	AM	840	EARLYSVILLE	VA	BL19910107AA	31.7	10.4
WCHV(AM)	AM	1260	CHARLOTTESVILLE	VA	BL19860114AA	14.6	8.8

Distance and bearing calculations from coordinates: 37-59-05 N, 078-28-49 W

Duopoly Options:

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.

Only a minimum number of stations have been shown which insures compliance with the Rules. A complete tabulation of stations entering the market will be supplied upon request. Co-owned stations entering, but not defining the market, have been omitted (in this instance, there are no co-owned station which enter, but do not define the market). In addition, all stations whose transmitter sites reside more than 92 km from the perimeter of the area of mutual overlap of the commonly attributable stations have been omitted.

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