

FOR  
FCC  
USE  
ONLY

FOR COMMISSION USE ONLY  
FILE NO.

# FCC 301

## APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

### Section I - General Information

|    |   |   |  |
|----|---|---|--|
| 1  | Legal Name of the Applicant<br>Radio7Media, LLC                     |   |  |
|    | Mailing Address<br>P.O. Box 156                                     |   |  |
|    | City<br>Lawrenceburg  | State or Country (if foreign address)<br>TN | ZIP Code<br>38464  |
|    | Telephone Number (include area code)<br>931-762-2916                |   | E-Mail Address (if available)<br>PROSCOMM@BELLSOUTH.NET    |
|    | FCC Registration Number<br>0024852485                               | Call Sign<br>WLXA                           | Facility ID Number<br>53875                                |
| 2. | Contact Representative (if other than applicant)<br>Scott Woodworth |   |  |
|    | Firm or Company Name<br>Edinger Associates PLLC                     |   |  |
|    | Mailing Address   |   |  |
|    | City<br>Washington  | State or Country (if foreign address)<br>DC | ZIP Code<br>20006  |
|    | Telephone Number (include area code)<br>202-747-1694                |   | E-Mail Address (if available)<br>swoodworth@edingerlaw.net |

3. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114):

☐ Governmental Entity ☒ Other Amendment

#### 4. Application Purpose.

- |  |  |
|--|--|
| <input type="checkbox"/> New Station   | <input type="checkbox"/> Major Modification of construction permit         |
| <input type="checkbox"/> New Station with Petition for Rulemaking or Counterproposal to Amend FM Table of Allotments                       | <input type="checkbox"/> Minor Modification of construction permit         |
| <input type="checkbox"/> New Station with Petition for Rulemaking or Counterproposal to Amend FM Table of Allotments using Tribal Priority | <input type="checkbox"/> Major Amendment to pending application            |
|  | <input checked="" type="checkbox"/> Minor Amendment to pending application |
| <input type="checkbox"/> Major Change in licensed facility   |  |
| <input type="checkbox"/> Minor Change in licensed facility   |  |

a. File number of original construction permit: BPH-20161012AAD ☐ N/A

b. Service Type: ☐ AM ☒ FM ☐ TV ☐ DTV ☐ DTS

c. DTV Type: ☐ Pre-Transition ☐ Post-Transition ☐ Both

d. Community of License: 

|                  |             |
|------------------|-------------|
| City<br>Florence | State<br>AL |
|------------------|-------------|

e. Facility Type: ☒ Main ☐ Auxiliary

If an amendment, submit as an Exhibit a listing by Section and Question Number of the portions of the pending application that are being revised.

Exhibit No.  
ASee attached

**NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.**

**Section II - Legal**

1. **Certification.** Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets. ☒ Yes ☐ No

2. **Parties to the Application.**

a. List the applicant, and, if other than a natural person, its officers, directors, stockholders and other entities with attributable interests, non-insulated partners and/or members. If a corporation or partnership holds an attributable interest in the applicant, list separately its officers, directors, stockholders and other entities with attributable interests, non-insulated partners and/or members. Create a separate row for each individual or entity. Attach additional pages if necessary.

(1) Name and address of the applicant and each party to the application holding an attributable interest (if other than individual also show name, address and citizenship of natural person authorized to vote the stock or holding the attributable interest). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and other entities with attributable interests, and partners.

(2) Citizenship.

(3) Positional Interest: Officer, director, general partner, limited partner, LLC member, investor/creditor attributable under the Commission's **equity/debt plus** standard, etc.

(4) Percentage of votes.

(5) Percentage of total assets (equity plus debt).

| (1) | (2) | (3) | (4) | (5) |
|-----|-----|-----|-----|-----|
|     |     |     |     |     |

b. Applicant certifies that equity and financial interests not set forth above are non-attributable.

☐ Yes ☐ No

See Explanation in Exhibit No.

☒ N/A

3. **Other Authorizations.** List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest.

Exhibit No.

☒ N/A

4. **Multiple Ownership.**

a. Is the applicant or any party to the application the holder of an attributable radio joint sales agreement or an attributable radio or television time brokerage agreement in the same market as the station subject to this application?

☐ Yes ☒ No

If "YES," radio applicants must submit as an Exhibit a copy of each such agreement for radio stations.

Exhibit No.

## Section II - Legal

- b. Applicant certifies that the proposed facility complies with the Commission's multiple ownership rules.

☒ Yes ☐ No

Radio applicants only: If "Yes," submit an Exhibit providing information regarding the market, broadcast station(s), and other information necessary to demonstrate compliance with 47 C.F.R. Section 73.3555(a).

See Explanation  
in Exhibit No.

All Applicants: If "No," submit as an Exhibit a detailed explanation in support of an exemption from, or waiver of, 47 C.F.R. Section 73.3555.

- c. Applicant certifies that the proposed facility:

☒ Yes ☐ No

- (1) does not present an issue under the Commission's policies relating to media interests of immediate family members;
- (2) complies with the Commission's policies relating to future ownership interests; and
- (3) complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors.

See Explanation  
in Exhibit No.

- d. Does the Applicant claim status as an "eligible entity," that is, an entity that qualifies as a small business under the Small Business Administration's size standards for its industry grouping (as set forth in 13 C.F.R. Section 121.201), and holds:

☐ Yes ☒ No

- (1) 30 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet; or
- (2) 15 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet, provided that no other person or entity owns or controls more than 25 percent of the outstanding stock or partnership interests; or
- (3) more than 50 percent of the voting power of the corporation that will own the media outlet (if such corporation is a publicly traded company)?

See Explanation  
in Exhibit No.

All applicants: If "Yes," submit as an Exhibit a detailed showing demonstrating proof of status as an eligible entity.

5. **Character Issues.** Applicant certifies that neither applicant nor any party to the application

☒ Yes ☐ No

- a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or
- b. any pending broadcast application in which character issues have been raised.

See Explanation  
in Exhibit No.

6. **Adverse Findings.** Applicant certifies that, with respect to the applicant and any party to the application, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.

☒ Yes ☐ No

See Explanation  
in Exhibit No.

7. **Alien Ownership and Control.** Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.

☒ Yes ☐ No

See Explanation  
in Exhibit No.

8. **Program Service Certification.** Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.

☒ Yes ☐ No

9. **Local Public Notice.** Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.

☒ Yes ☐ No

10. **Auction Authorization.** If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.

☐ Yes ☐ No ☒ N/A

Exhibit No.

An exhibit is required unless this question is inapplicable.

11. **Anti-Drug Abuse Act Certification.** Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

☒ Yes ☐ No

12. **Equal Employment Opportunity (EEO).** If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.

☐ Yes ☐ No ☒ N/A

13. **Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.** If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. Section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.

☐ Yes ☐ No ☒ N/A

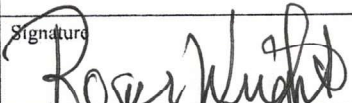
14. **Tribal Priority - Threshold Qualifications.** Is the Applicant applying for an FM allotment set forth in a Public Notice announcing a Tribal Threshold Qualifications window? An Applicant answering "Yes" must provide an Exhibit demonstrating that it would have been qualified to add the allotment for which it is applying using the Tribal Priority.

☐ Yes ☒ No

Exhibit No.



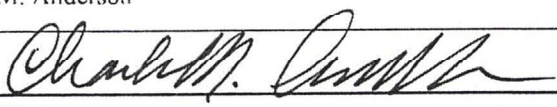
I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

|  |   |
|--|---|
| Typed or Printed Name of Person Signing<br>Roger Wright  | Typed or Printed Title of Person Signing<br>Managing Member |
| Signature<br> | Date<br>9/28/22   |

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

### SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

|  |   |                   |
|--|---|-------------------|
| Name<br>Charles M. Anderson  | Relationship to Applicant (e.g., Consulting Engineer)<br>Engineering Consultant |                   |
| Signature<br> | Date<br>September 27, 2022  |                   |
| Mailing Address<br>5900 Lake Cyrus Drive   |   |                   |
| City<br>Hoover   | State or Country (if foreign address)<br>AL                                     | ZIP Code<br>35244 |
| Telephone Number (include area code)<br>270-535-4432   | E-Mail Address (if available)<br>cmanderson45@yahoo.com                         |                   |

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

## SECTION III-B FM Engineering

**TECHNICAL SPECIFICATIONS** Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

### TECH BOX

| 1. Channel:  | <u>252</u>   |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |
|--|--|-----------------------------|----------------------------|--|-----------------------------|-----------------------------|---------------------------------------|---------------------------------------|----------------------------|--------|-------|
| 2. Class:  | <input type="checkbox"/> A   | <input type="checkbox"/> B1 | <input type="checkbox"/> B | <input checked="" type="checkbox"/> C3 | <input type="checkbox"/> C2 | <input type="checkbox"/> C1 | <input type="checkbox"/> C            | <input type="checkbox"/> C0           | <input type="checkbox"/> D |        |       |
| 3. Antenna Location Coordinates: (NAD 27)                      |  |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |
|  | <u>34</u>  | °                           | <u>57</u>                  | '                                      | <u>55.6</u>                 | "                           | <input checked="" type="checkbox"/> N | <input type="checkbox"/> S            | Latitude                   |        |       |
|  | <u>87</u>  | °                           | <u>30</u>                  | '                                      | <u>00.0</u>                 | "                           | <input type="checkbox"/> E            | <input checked="" type="checkbox"/> W | Longitude                  |        |       |
| 4. Proposed Allotment or Assignment Coordinates: (NAD 27)      | <input type="checkbox"/> Not applicable  |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |
|  | <u>34</u>  | °                           | <u>45</u>                  | '                                      | <u>23.6</u>                 | "                           | <input checked="" type="checkbox"/> N | <input type="checkbox"/> S            | Latitude                   |        |       |
|  | <u>87</u>  | °                           | <u>40</u>                  | '                                      | <u>43.6</u>                 | "                           | <input type="checkbox"/> E            | <input checked="" type="checkbox"/> W | Longitude                  |        |       |
| 5. Antenna Structure Registration Number:                      | <u>1298784</u>   |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |
|  | <input type="checkbox"/> Not applicable <input type="checkbox"/> FAA Notification Filed with FAA         |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |
| 6. Overall Tower Height Above Ground Level:                    | <u>128.0</u>   |                             |                            |  |                             | meters                      |                                       |                                       |                            |        |       |
| 7. Height of Radiation Center Above Mean Sea Level:            | <u>321.5</u>   |                             |                            |  |                             | meters (H)                  | <u>321.5</u> meters (V)               |                                       |                            |        |       |
| 8. Height of Radiation Center Above Ground Level:              | <u>97.5</u>  |                             |                            |  |                             | meters (H)                  | <u>97.5</u> meters (V)                |                                       |                            |        |       |
| 9. Height of Radiation Center Above Average Terrain:           | <u>106.68</u>  |                             |                            |  |                             | meters (H)                  | <u>106.68</u> meters (V)              |                                       |                            |        |       |
| 10. Effective Radiated Power:                                  | <u>22.5</u>  |                             |                            |  |                             | kW (H)                      | <u>22.5</u> kW (V)                    |                                       |                            |        |       |
| 11. Maximum Effective Radiated Power: (Beam-Tilt Antenna ONLY) | <input checked="" type="checkbox"/> Not applicable   |                             |                            |  |                             | kW (H)                      | kW (V)                                |                                       |                            |        |       |
| 12. Directional Antenna Relative Field Values:                 | <input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> (Nondirectional) No rotation |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |
|  | Rotation <u>        </u> °   |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |
| Degree   | Value  | Degree                      | Value                      | Degree                                 | Value                       | Degree                      | Value                                 | Degree                                | Value                      | Degree | Value |
| 0  |  | 60                          |                            | 120                                    |                             | 180                         |                                       | 240                                   |                            | 300    |       |
| 10   |  | 70                          |                            | 130                                    |                             | 190                         |                                       | 250                                   |                            | 310    |       |
| 20   |  | 80                          |                            | 140                                    |                             | 200                         |                                       | 260                                   |                            | 320    |       |
| 30   |  | 90                          |                            | 150                                    |                             | 210                         |                                       | 270                                   |                            | 330    |       |
| 40   |  | 100                         |                            | 160                                    |                             | 220                         |                                       | 280                                   |                            | 340    |       |
| 50   |  | 110                         |                            | 170                                    |                             | 230                         |                                       | 290                                   |                            | 350    |       |
| Additional Azimuths  |  |                             |                            |  |                             |                             |                                       |                                       |                            |        |       |

**NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.**

## CERTIFICATION

**AUXILIARY ANTENNA APPLICANTS ARE NOT REQUIRED TO RESPOND TO ITEMS 13-16.  
PROCEED TO ITEM 17.**

13. **Availability of Channels.** The proposed facility complies with the allotment requirements of 47 C.F.R. Section 73.203. ☒ Yes ☐ No 

See Explanation  
in Exhibit No.

14. **Community Coverage.** The proposed facility complies with 47 C.F.R. Section 73.315. ☒ Yes ☐ No 

See Explanation  
in Exhibit No.

15. **Main Studio Location.** The proposed main studio location complies with 47 C.F.R. Section 73.1 125. ☒ Yes ☐ No 

See Explanation  
in Exhibit No.

16. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all those that apply. ☒ Yes ☐ No 

See Explanation  
in Exhibit No.

### Separation Requirements.

a. ☒ 47 C.F.R. Section 73.207.

### Grandfathered Short-Spaced.

b. ☐ 47 C.F.R. Section 73.213(a) with respect to station(s): \_\_\_\_\_ 

Exhibit No.

**Exhibit Required.**

c. ☐ 47 C.F.R. Section 73.213(b) with respect to station(s): \_\_\_\_\_ 

Exhibit No.

**Exhibit Required.**

d. ☐ 47 C.F.R. Section 73.213(c) with respect to station(s): \_\_\_\_\_ 

Exhibit No.

**Exhibit Required.**

### Contour Protection.

e. ☒ 47 C.F.R. Section 73.215 with respect to station(s): WKEA-FM

Exhibit No.  
**TECH REP**

**Exhibit Required.**

17. **Environmental Protection Act.** The proposed facility is excluded from environmental processing under 47 C.F.R. Section 1.1306 (i.e., the facility will not have a significant environmental impact and complies with the maximum permissible radio frequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an **Exhibit is required.** ☒ Yes ☐ No 

See Explanation  
in Exhibit No.

By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency electromagnetic exposure in excess of FCC guidelines.

18. **Community of License Change - Section 307(b).** If the application is being submitted to change the facility's community of license, then the applicant certifies that it has attached an exhibit containing information demonstrating that the proposed community of license change constitutes a preferential arrangement of allotments or assignments under Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)). ☒ Yes ☐ No ☐ N/A 

Exhibit No.  
**307(b) REP**

**An exhibit is required** unless this question is not applicable.

### **Purpose of Amendment**

This amendment is being filed at the request of FCC staff pursuant to an August 31, 2022 letter. Due to a site change, Section III-B of the application (and the exhibits for that section) have changed.

**WLXA MULTIPLE OWNERSHIP SHOWING**

APPLICANT CERTIFIES THAT THE PROPOSED FACILITY COMPLIES WITH THE COMMISSION'S MULTIPLE OWNERSHIP RULES AND CROSS-OWNERSHIP RULES. ATTACHED IS THE BIA METRO REPORT FOR THE FLORENCE-MUSCLE SHOALS, ALABAMA MARKET. NEITHER THE APPLICANT NOR ANY PARTY WITH AN ATTRIBUTABLE INTEREST IN THE APPLICANT HAS AN INTEREST IN ANY STATION IN THIS MARKET.

IN ADDITION, SEE ATTACHED MAP DEMONSTRATING COMPLIANCE WITH THE OVERLAP RULES.

# FCC Geographic Market Definition for Florence-Muscle Shoals, AL

| Call Letters | AM/FM | Freq  | Type | Station     | Format                     | Home Market | Market        |               | City & State of License                  | County of License |
|--------------|-------|-------|------|-------------|----------------------------|-------------|---------------|---------------|--|-------------------|
|              |       |       |      |             |                            |             | Designtn Date | Home Mkt Rank |  |                   |
| WAKD         | FM    | 89.9  | NC   | Chrst/Talk  | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | American Family Association Incorporated | Colbert           |
| WBCF         | AM    | 1240  | C    | Nws/TK/Spt  | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | BCB Inc                                  | Lauderdale        |
| WBTG         | FM    | 106.3 | C    | Sothn Gspel | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Statton & Associates                     | Colbert           |
| WBTG         | AM    | 1290  | C    | Oldies      | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Statton & Associates                     | Colbert           |
| WFIX         | FM    | 91.3  | NC   | ChrsContem  | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Tri State Inspirational Broadcasting     | Lauderdale        |
| WLAY         | AM    | 1450  | C    | Country     | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Singing River Media Group LLC            | Colbert           |
| WLAY         | FM    | 100.1 | C    | Country     | Florence-Muscle Shoals, AL |             | 02/09/2005    | 231           | Singing River Media Group LLC            | Colbert           |
| WMSR         | FM    | 94.9  | C    | Country     | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Singing River Media Group LLC            | Wayne             |
| WMXV         | FM    | 101.5 | C    | CHR         | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Singing River Media Group LLC            | Lawrence          |
| WQLT         | FM    | 107.3 | C    | AC          | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Big River Broadcasting Corp              | Lauderdale        |
| WQPR         | FM    | 88.7  | NC   | News/Clscl  | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | University of Alabama                    | Colbert           |
| WSBM         | AM    | 1340  | C    | Sports      | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Big River Broadcasting Corp              | Lauderdale        |
| WVNA         | AM    | 1590  | C    | Clsc Rock   | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Singing River Media Group LLC            | Colbert           |
| WVNA         | FM    | 105.5 | C    | Clsc Rock   | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Singing River Media Group LLC            | Colbert           |
| WWFA         | FM    | 102.7 | C    | CHR         | Florence-Muscle Shoals, AL |             | 10/13/2010    | 231           | Flinn Broadcasting Corporation           | Lauderdale        |
| WXFL         | FM    | 96.1  | C    | Country     | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Big River Broadcasting Corp              | Lauderdale        |
| WYTK         | FM    | 93.9  | C    | Sports      | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Valley Broadcasting Inc                  | Lauderdale        |
| WZZA         | AM    | 1410  | C    | Urb/Gsp/R&  | Florence-Muscle Shoals, AL |             | 07/02/2003    | 231           | Muscle Shoals Broadcasting               | Colbert           |

Number of Stations in Geographic Market 18

## Previous Stations in Geographic Market

|      |    |       |    |            |                |  |            |     |                              |                   |          |
|------|----|-------|----|------------|----------------|--|------------|-----|------------------------------|-------------------|----------|
| WLVS | FM | 106.5 | C  | Country    |                |  | 02/09/2005 | 0   | Big River Broadcasting Corp  | Clifton, TN       | Wayne    |
| WLWB | FM | 103.9 | NC | ChrsContem |                |  | 09/20/2006 | 0   | Educational Media Foundation | Lawrenceburg, TN  | Lawrence |
| WQRV | FM | 100.3 | C  | Clsc Hits  | Huntsville, AL |  | 08/07/2006 | 104 | iHeartMedia Inc              | Meridianville, AL | Madison  |

## WLXA CONTOUR OVERLAP COMPLIANCE ANALYSIS

This ownership study is provided as an analysis of the aural broadcast market formed by the proposed amendment to the WLXA application BPH-20161012AAD with respect to co-owned stations outside a rated market.

The permitted common ownership is determined using the contour overlap methodology. The attached exhibits include the city grade contours, 3.16 mV/m (70 dBu) (FM) and 5 mV/m (AM), of all stations intersecting any of the mutually overlapping stations, including noncommercial facilities, and excludes any stations with a transmitter site greater than 92 km from any portion of the mutually overlapping area, as well as any commonly owned stations which do not mutually overlap the defined markets. Exhibit A demonstrates that the attributable stations create one mutually overlapping market.

### Market - 2 AM + 1 AM in an overlapping market of 43

| Call | Type | Channel | City         | State |
|------|------|---------|--------------|-------|
| WLXA | FM   | 252C3   | Florence     | AL    |
| WLLX | FM   | 248C2   | Lawrenceburg | TN    |
| WWLX | AM   | 590 kHz | Lawrenceburg | TN    |

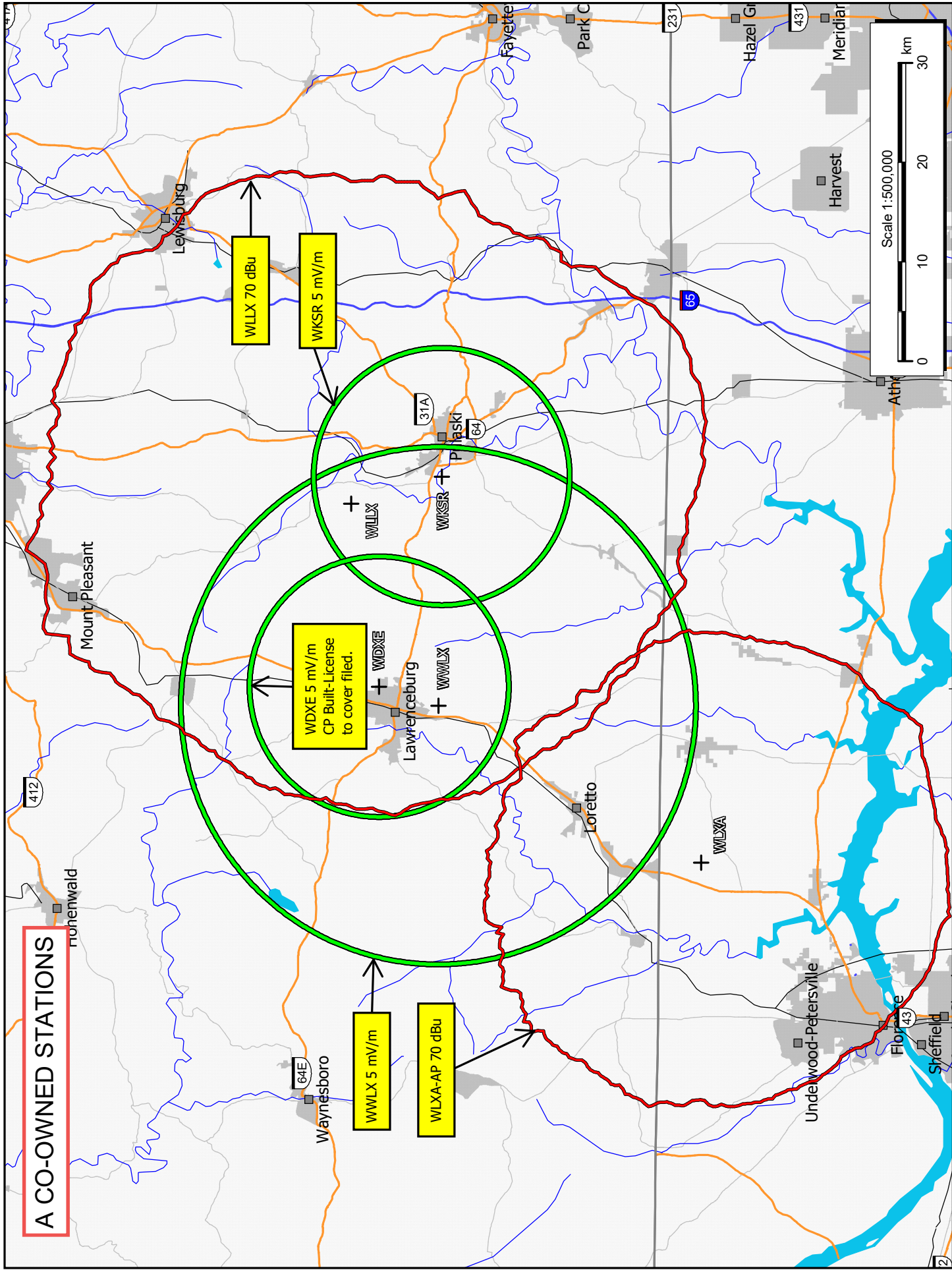
A plot and listing of the mutually overlapping market are included as exhibits B and C. The mutually overlapping markets of two FM's and one AM in a market of forty-three (43) is permissible in accordance with CFR §73.3555(a)(1)(ii) and (iii).

September 21, 2022

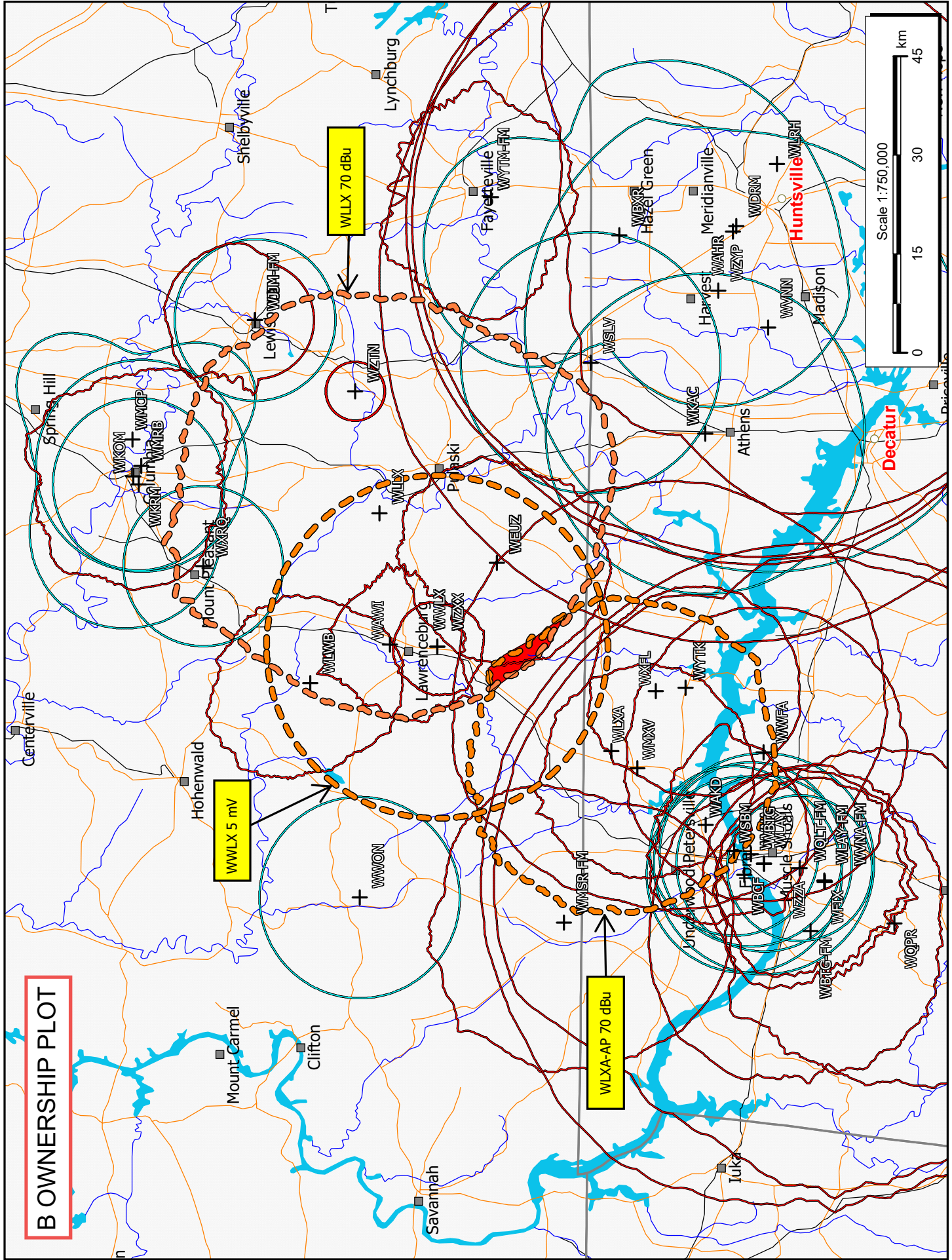


Charles M. Anderson  
cmanderson43@yahoo.com

# A CO-OWNED STATIONS







# C - WLXA Contour Overlap Market - 2FM + 1 AM in a total market of 43

| Callsign | Type | Chan  | City         | St | File Number    | Dist (km) | Azi (deg) |
|----------|------|-------|--------------|----|----------------|-----------|-----------|
| WLXA     | FM   | 252C3 | Loretto      | TN | BLH20160616ABX | 0.0       | 0.0       |
| WLLX     | FM   | 248C2 | Lawrenceburg | TN | BLH20060206ABL | 50.3      | 45.6      |
| WWLX     | AM   | 590   | LAWRENCEBURG | TN | BL20060504ACP  | 30.7      | 30.7      |

## Overlapping Contours:

| Callsign | Type | Chan  | City           | St | File Number     | Dist (km) | Azi (deg) |
|----------|------|-------|----------------|----|-----------------|-----------|-----------|
| WQPR     | FM   | 204C2 | Muscle Shoals  | AL | BMLH20090330AEZ | 50.2      | 211.3     |
| WLRH     | FM   | 207C0 | Huntsville     | AL | BLED20121016ADC | 92.3      | 105.7     |
| WAKD     | FM   | 210C3 | Sheffield      | AL | BLED20060130APV | 18.2      | 218.0     |
| WFIX     | FM   | 217C1 | Florence       | AL | BLED20050908ABG | 37.9      | 211.4     |
| WYTK     | FM   | 230A  | Rogersville    | AL | BMLH20170203ABT | 14.7      | 139.4     |
| WXFL     | FM   | 241C2 | Florence       | AL | BLH20000406AAT  | 11.3      | 126.5     |
| WAHR     | FM   | 256C0 | Huntsville     | AL | BLH19891219KC   | 80.8      | 103.0     |
| WLAY-FM  | FM   | 261A  | Littleville    | AL | BLH20160812AAD  | 37.7      | 211.2     |
| WDRM     | FM   | 271C1 | Decatur        | AL | BMLH20060413ACH | 81.7      | 103.3     |
| WWFA     | FM   | 274C3 | St. Florian    | AL | BLH20100824AAJ  | 23.0      | 180.4     |
| WZYP     | FM   | 282C0 | Athens         | AL | BMLH20081022ACH | 71.6      | 103.0     |
| WVNA-FM  | FM   | 288A  | Muscle Shoals  | AL | BLH20040304ACS  | 37.7      | 211.2     |
| WBTG-FM  | FM   | 292C3 | Sheffield      | AL | BLH19931202KF   | 40.7      | 222.0     |
| WQLT-FM  | FM   | 297C1 | Florence       | AL | BLH20000120AAP  | 37.9      | 211.4     |
| WZXX     | FM   | 203A  | Lawrenceburg   | TN | BMLH20090731ACW | 30.7      | 30.7      |
| WAWI     | FM   | 209A  | Lawrenceburg   | TN | BLED19990503KA  | 37.2      | 25.6      |
| WZTN     | FM   | 210A  | Cornersville   | TN | BLED20121119AHN | 66.9      | 54.4      |
| WEUZ     | FM   | 221A  | Minor Hill     | TN | BLH19980625KD   | 33.3      | 58.6      |
| WJJM-FM  | FM   | 232A  | Lewisburg      | TN | BLH20081208AEB  | 84.7      | 50.3      |
| WMSR-FM  | FM   | 235C3 | Collinwood     | TN | BLH19990226KB   | 27.0      | 285.3     |
| WMXV     | FM   | 268A  | St. Joseph     | TN | BLH20080618AKF  | 4.8       | 213.8     |
| WKOM     | FM   | 269A  | Columbia       | TN | BLH19970910KF   | 83.5      | 29.8      |
| WLWB     | FM   | 280A  | Lawrenceburg   | TN | BLED20180911AAE | 46.8      | 12.6      |
| WYTM-FM  | FM   | 288A  | Fayetteville   | TN | BMLH20070327ACG | 85.8      | 77.6      |
| WKAC     | AM   | 1080  | ATHENS         | AL | BL19850228AC    | 50.1      | 106.4     |
| WSLV     | AM   | 1110  | ARDMORE        | TN | BL19830819AA    | 58.9      | 86.8      |
| WVNN     | AM   | 770   | ATHENS         | AL | BL20210621AAE   | 68.4      | 110.2     |
| WBXR     | AM   | 1140  | HAZEL GREEN    | AL | BMML20210513AAR | 78.1      | 90.8      |
| WVNA     | AM   | 1590  | TUSCUMBIA      | AL | BL10486         | 28.7      | 216.4     |
| WZZA     | AM   | 1410  | TUSCUMBIA      | AL | BL7907          | 33.6      | 211.8     |
| WSBM     | AM   | 1340  | FLORENCE       | AL | BL9242          | 24.0      | 219.0     |
| WBTG     | AM   | 1290  | SHEFFIELD      | AL | BL10493         | 26.3      | 216.4     |
| WLAY     | AM   | 1450  | MUSCLE SHOALS  | AL | BL20050307ADW   | 28.7      | 216.3     |
| WBCF     | AM   | 1240  | FLORENCE       | AL | BL19990120DC    | 27.5      | 222.9     |
| WJJM     | AM   | 1490  | LEWISBURG      | TN | BL20051206AGN   | 84.7      | 50.3      |
| WMCP     | AM   | 1280  | COLUMBIA       | TN | BL19800812AA    | 86.5      | 32.9      |
| WXRQ     | AM   | 1460  | MOUNT PLEASANT | TN | BL19841116AD    | 67.8      | 24.3      |
| WKRM     | AM   | 1340  | COLUMBIA       | TN | BL8868          | 82.2      | 29.3      |
| WWON     | AM   | 930   | WAYNESBORO     | TN | BL19860618AA    | 44.1      | 329.7     |
| WMRB     | AM   | 910   | COLUMBIA       | TN | BL19910708AC    | 83.2      | 31.1      |

Distance and bearing calculations from coordinates: 34-57-55.60 N, 087-30-00 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.

**WLXA FCC Facility # 53785  
BPH-20161012AAD  
AMENDMENT IN RESPONSE TO 1800B3-TSN**

This technical report is provided in support of an amendment to WLXA (#53785) pending application BPH-20161012AAD, and is filed in response to FCC 30 day letter 1800B3-TSN. A change in site, ERP and HAAT are proposed. An amended 307(b) showing is included as a separate report.

**FCC 30 Meter Terrain Used:**

In an abundance of caution, the applicant has used the Commission's most accurate terrain, the FCC 30 meter or 1 second database, which is understood to be used in the LMS system<sup>1</sup>. The FCC 30 meter database is provided by V-Soft Communications and is a copy of the FCC's own database.

**Allocations Analysis:**

The following exhibits are provided for the application:

- E1 Spacing study and overlap study
- E1A Interference plots and FMOVER for WKEA-FM
- E2 70 dBu coverage of Florence, AL
- E3 Fully spaced reference point channel study
- E4 Full-spaced reference point circular, maximum class 70 dBu
- E5 Reference point map and aerial photograph
- E6 ASR

A channel study and an overlap study provided as exhibit E1 show clearances to all protected facilities with the exception of Station WKEA-FM on channel 252C3, for which §73.215 contour overlap methodology is elected. 70 dBu coverage of Florence greater than the required 80% of population is demonstrated in exhibit E2. The permitted ERP is determined to be 22.5 kW.

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<sup>1</sup> Section 73.212 permits the use of a computerized terrain database "except in cases of dispute," but does not prescribe a specific database, thereby permitting an applicant to use any recognized computerized terrain database. In this case the most accurate terrain database available has been utilized.

# Anderson Associates

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## Broadcast Engineering Consultants

### HAAT and Contour Tabulation:

N 34-57-55.6    W 87-30-00.0

HAAT and Distance to Contour, V-Soft 3-16 km, 131 points Method - FCC 30 Meter Terrain

| AZ. | AV EL | HAAT  | ERP kW  | 70 dBu | 60 dBu |
|-----|-------|-------|---------|--------|--------|
| 000 | 235.0 | 86.5  | 22.5000 | 21.09  | 35.83  |
| 010 | 235.3 | 86.2  | 22.5000 | 21.05  | 35.78  |
| 020 | 236.1 | 85.4  | 22.5000 | 20.96  | 35.63  |
| 030 | 231.5 | 90.0  | 22.5000 | 21.52  | 36.50  |
| 040 | 231.1 | 90.4  | 22.5000 | 21.57  | 36.57  |
| 050 | 240.6 | 80.9  | 22.5000 | 20.39  | 34.75  |
| 060 | 241.4 | 80.1  | 22.5000 | 20.29  | 34.58  |
| 070 | 229.7 | 91.8  | 22.5000 | 21.74  | 36.83  |
| 080 | 223.0 | 98.5  | 22.5000 | 22.51  | 37.99  |
| 090 | 217.2 | 104.3 | 22.5000 | 23.14  | 38.93  |
| 100 | 218.8 | 102.7 | 22.5000 | 22.97  | 38.68  |
| 110 | 213.6 | 107.9 | 22.5000 | 23.52  | 39.49  |
| 120 | 207.5 | 114.0 | 22.5000 | 24.11  | 40.37  |
| 130 | 200.9 | 120.6 | 22.5000 | 24.70  | 41.25  |
| 140 | 200.8 | 120.7 | 22.5000 | 24.70  | 41.25  |
| 150 | 192.9 | 128.6 | 22.5000 | 25.35  | 42.27  |
| 160 | 205.6 | 115.9 | 22.5000 | 24.29  | 40.63  |
| 170 | 209.0 | 112.5 | 22.5000 | 23.98  | 40.16  |
| 180 | 201.6 | 119.9 | 22.5000 | 24.64  | 41.16  |
| 190 | 193.8 | 127.7 | 22.5000 | 25.27  | 42.14  |
| 200 | 197.7 | 123.8 | 22.5000 | 24.95  | 41.64  |
| 210 | 197.4 | 124.1 | 22.5000 | 24.98  | 41.68  |
| 220 | 203.9 | 117.6 | 22.5000 | 24.43  | 40.85  |
| 230 | 205.9 | 115.6 | 22.5000 | 24.26  | 40.58  |
| 240 | 202.7 | 118.8 | 22.5000 | 24.54  | 41.01  |
| 250 | 203.0 | 118.5 | 22.5000 | 24.52  | 40.97  |
| 260 | 203.3 | 118.2 | 22.5000 | 24.49  | 40.93  |
| 270 | 211.5 | 110.0 | 22.5000 | 23.73  | 39.79  |
| 280 | 204.0 | 117.5 | 22.5000 | 24.43  | 40.84  |
| 290 | 211.2 | 110.3 | 22.5000 | 23.75  | 39.83  |
| 300 | 216.0 | 105.5 | 22.5000 | 23.27  | 39.12  |
| 310 | 214.0 | 107.5 | 22.5000 | 23.48  | 39.43  |
| 320 | 216.7 | 104.8 | 22.5000 | 23.19  | 39.01  |
| 330 | 218.3 | 103.2 | 22.5000 | 23.03  | 38.76  |
| 340 | 234.3 | 87.2  | 22.5000 | 21.18  | 35.97  |
| 350 | 228.1 | 93.4  | 22.5000 | 21.93  | 37.12  |

Ave El= 214.82 M    HAAT= 106.68 M    AMSL= 321.5 M

60 dBu for 22.5kW @ 106.68 m HAAT = 39.3 km.

## Anderson Associates

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### Broadcast Engineering Consultants

#### **Fully spaced reference point:**

A fully spaced reference point for 252C3 at Florence, AL is provided at an existing tower (ASR #1299445) at coordinates:

**N 34-45-23.6 W 87-40-43.6 (NAD 83).**

A channel study is provided as E3, 70 dBu compliance as E4 and a map and aerial photograph as E5.

#### **Antenna and RF calculation:**

The WLXA facility will utilize a Dielectric DCRH8CR full wavelength spaced circularly polarized antenna mounted at 102 meters AGL. The RF contribution was calculated using the FMMODEL program to be  $17 \mu\text{W}/\text{cm}^2$  or 8.5% of the maximum permissible for general public exposure on a tower with no other broadcast facilities.

#### **DCRH Series:**

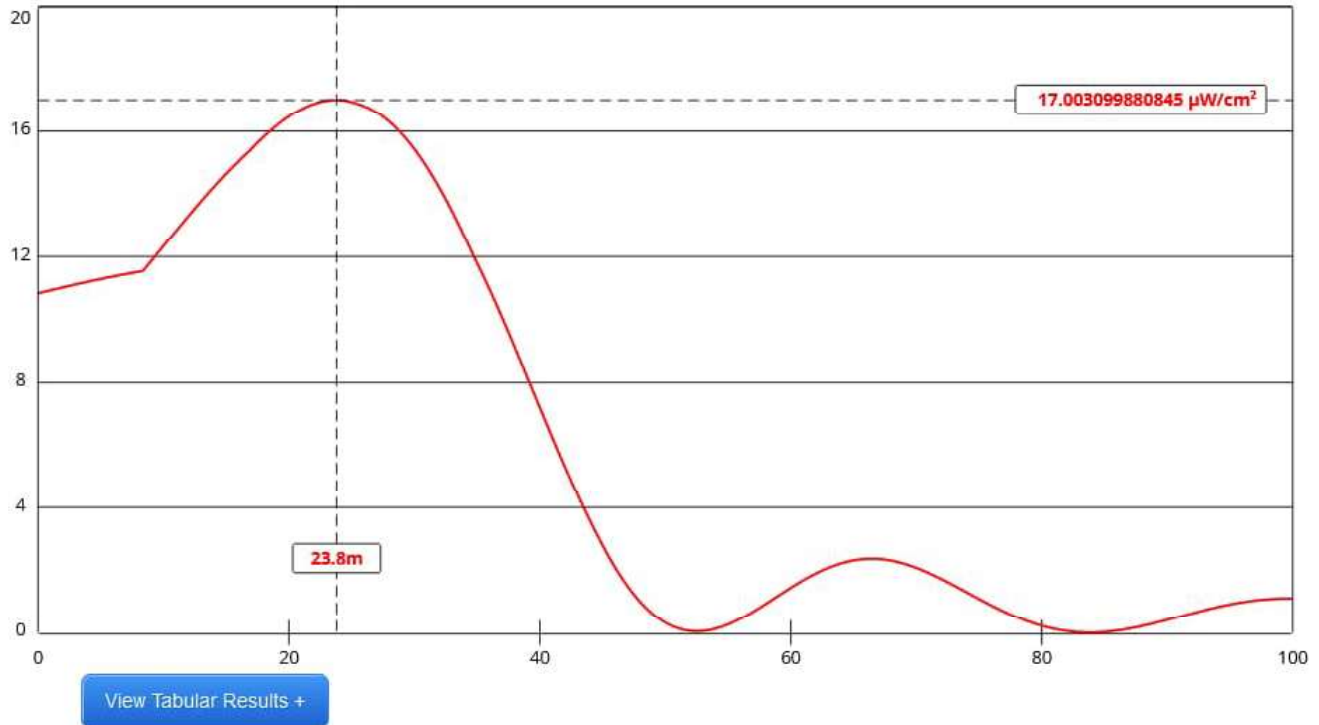


DCR-H / HDR-H

# Anderson Associates

## Broadcast Engineering Consultants

### FMModel Output:



|                   |                                    |                                      |                                    |
|-------------------|------------------------------------|--------------------------------------|------------------------------------|
| Channel Selection | Channel 252 (98.3 MHz) ▾           |                                      |                                    |
| Antenna Type ▾    | EPA Type 4: Two-Piece Spiral ▾     |                                      |                                    |
| Height (m)        | <input type="text" value="97.5"/>  | Distance (m)                         | <input type="text" value="100"/>   |
| ERP-H (W)         | <input type="text" value="22500"/> | ERP-V (W)                            | <input type="text" value="22500"/> |
| Num of Elements   | <input type="text" value="8"/>     | $\lambda$                            | <input type="text" value="1"/>     |
| Num of Points     | <input type="text" value="500"/>   | <input type="button" value="Apply"/> |                                    |

### Conclusion:

The foregoing demonstrates that the amended WLXA application fully comply with Commission rules and policies.

*Charles M. Anderson*

Charles M. Anderson September 20, 2022

# E1 CHANNEL STUDY

|                                    |                              |                 |
|------------------------------------|------------------------------|-----------------|
| REFERENCE                          |                              | DISPLAY DATES   |
| 34 57 55.60 N.                     | CLASS = C3                   | DATA 09-19-22   |
| 87 30 00.00 W.                     | Current Spacings to 3rd Adj. | SEARCH 09-19-22 |
| ----- Channel 252 - 98.3 MHz ----- |                              |                 |

| Call    | Channel     | Location   |    | Azi   | Dist   | FCC   | Margin    |
|---------|-------------|------------|----|-------|--------|-------|-----------|
| WLXA    | LIC-N 252C3 | Loretto    | TN | 195.3 | 0.01   | 152.5 | -152.5    |
| WLXA    | RSV-A 252C3 | Florence   | AL | 221.3 | 24.49  | 152.5 | -128.0    |
| WLXA    | APP 252C3   | Florence   | AL | 215.2 | 28.34  | 152.5 | -124.2    |
| WKEA-FM | LIC-Z 252C3 | Scottsboro | AL | 108.0 | 152.21 | 152.5 | -0.29 (1) |
| WJLI    | LIC 252C1   | Metropolis | IL | 335.9 | 217.87 | 210.5 | 7.4       |
| WZLQ    | LIC 253C1   | Tupelo     | MS | 240.2 | 175.86 | 143.5 | 32.4      |
| WTXT    | LIC 251C1   | Fayette    | AL | 187.9 | 183.97 | 143.5 | 40.5      |
| WSIX-FM | LIC 250C0   | Nashville  | TN | 26.6  | 134.54 | 86.5  | 48.0      |

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RSV-R = reserved - needs protection, RSV-A = allocation  
 All separation margins include rounding.

(1) 73.215 elected.



## E1 OVERLAP STUDY

REFERENCE  
34 57 55.60 N.  
87 30 00.00 W.

CH# 252C3 - 98.3 MHz, Pwr= 22.5 kw, HAAT= 106.68 M, COR= 321.5 M  
Average Protected F(50-50)= 39.38 km  
73.215 Omni-directional

DISPLAY DATES  
DATA 09-19-22  
SEARCH 09-19-22

| CH<br>CITY                  | CALL | TYPE ANT<br>STATE | AZI<br><--     | DIST<br>FILE #            | LAT<br>LNG                 | PWR(kw)<br>HAAT(M) | INT(km)<br>COR(M) | PRO(km)<br>LICENSEE                   | *IN*<br>(Overlap in km) | *OUT* |
|-----------------------------|------|-------------------|----------------|---------------------------|----------------------------|--------------------|-------------------|---------------------------------------|-------------------------|-------|
| 252C3 WLXA<br>Loretto       |      | LIC NCN<br>TN     | 195.3<br>15.3  | 0.01<br>BLH20160616ABX    | 34 57 55.30<br>87 30 00.10 | 17.500<br>119      | 328               | ---Reference---<br>Radio 7 Media, LLC |                         |       |
| 252C3 WLXA<br>Florence      |      | RSV-A ____<br>AL  | 221.3<br>41.2  | 24.49                     | 34 47 59.31<br>87 40 38.11 | 25.000<br>100      | 268               | ---Reference---<br>From CDBS          |                         |       |
| 252C3 WLXA<br>Florence      |      | APP _CN<br>AL     | 215.2<br>35.1  | 28.34<br>BPH20161012AAD   | 34 45 24.30<br>87 40 44.10 | 25.000<br>86       | 248               | ---Reference---<br>Radio 7 Media, LLC |                         |       |
| 252C3 WKEA-FM<br>Scottsboro |      | LIC ZCN<br>AL     | 108.0<br>288.9 | 152.21<br>BLH20070306ABV  | 34 32 00.30<br>85 55 19.90 | 11.000<br>150      | 101.5<br>505      | 38.8 10.9<br>Southern Torch, Inc.     |                         | 0.4   |
| 252C1 WJLI«<br>Metropolis   |      | LIC _CN<br>IL     | 335.9<br>155.3 | 217.87<br>BLH20030609ADV  | 36 45 09.20<br>88 29 58.20 | 100.000<br>213     | 162.9<br>358      | 65.1 210.5R<br>Sun Media, Inc.        |                         | 7.4M  |
| 253C1 WZLQ«<br>Tupelo       |      | LIC _CN<br>MS     | 240.2<br>59.2  | 175.86<br>BLH19960308KC   | 34 10 05.30<br>89 09 23.20 | 100.000<br>299     | 104.8<br>421      | 72.2 143.5R<br>Jmd, Inc.              |                         | 32.4M |
| 251C1 WTX«<br>Fayette       |      | LIC _CN<br>AL     | 187.9<br>7.8   | 183.97<br>BLH20120823AAB  | 33 19 21.30<br>87 46 25.60 | 100.000<br>274     | 103.4<br>366      | 70.7 143.5R<br>Ihm Licenses, LLC      |                         | 40.5M |
| 250C0 WSIX-FM«<br>Nashville |      | LIC _CN<br>TN     | 26.6<br>207.0  | 134.54<br>BMLH20050826ABB | 36 02 50.20<br>86 49 48.00 | 100.000<br>349     | 10.6<br>550       | 74.8 86.5R<br>Ihm Licenses, LLC       |                         | 48.0M |

Terrain database is FCC 30 meter , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
"\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.  
« = Station meets FCC minimum distance spacing for its class.

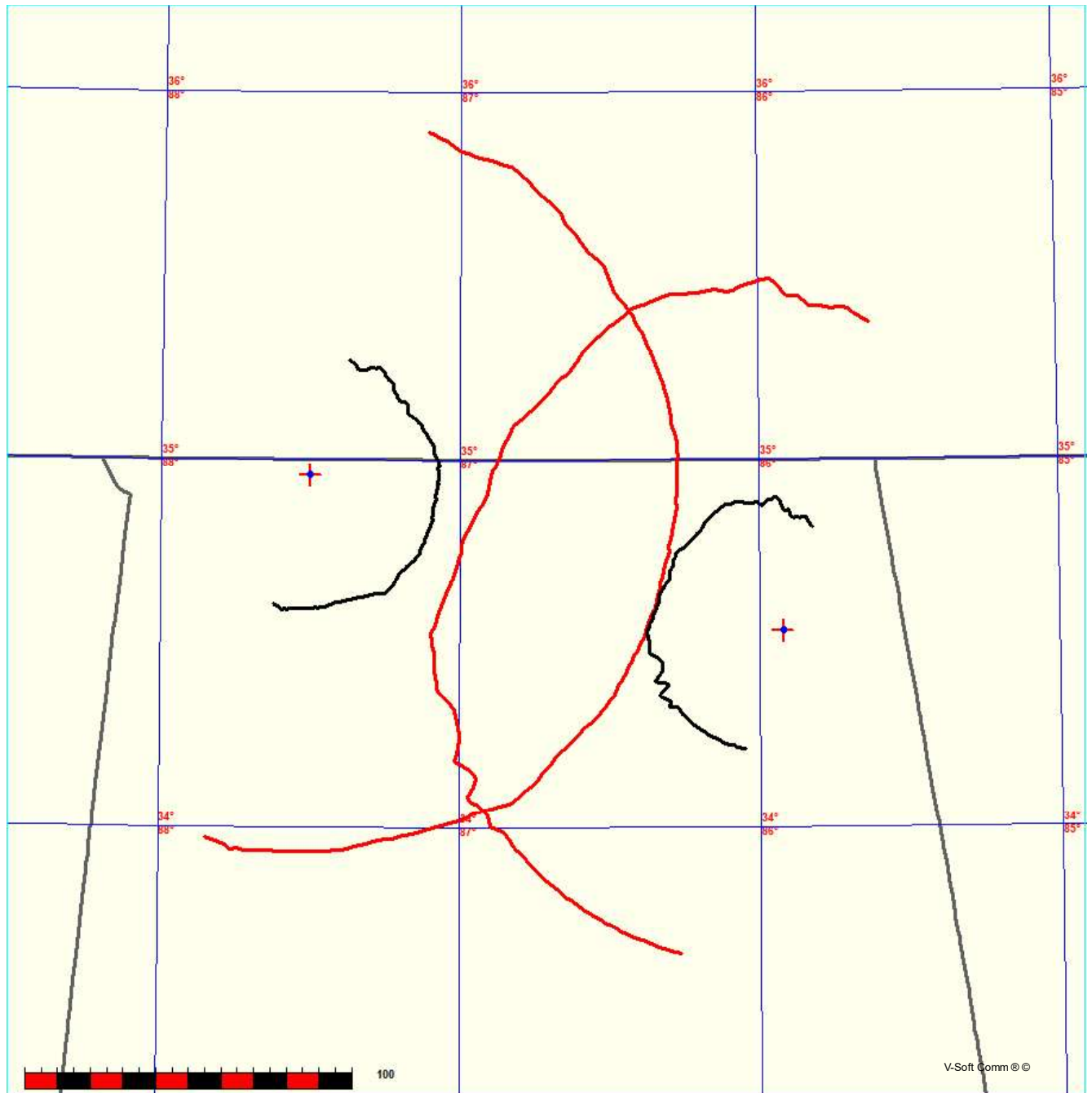


## E1A WLXA-WKEA-FM Interference Plot

FMCommander Single Allocation Study - 09-20-2022 - FCC 30 meter  
WLXA's Overlaps (In= 10.93 km, Out= 0.36 km)

WLXA CH 252 C3 73.215 N  
Lat= 34 57 55.60, Lng= 87 30 00.00  
22.5 kW 106.68 m HAAT, 321.5 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WKEA-FM CH 252 C3 73.215 Z BLH20070306ABV  
Lat= 34 32 00.30, Lng= 85 55 19.90  
11.0 kW 150 m HAAT, 505 m COR  
Prot.= 60 dBu, Intef.= 40 dBu



# E1A FMOVER ANALYSIS

Terrain Data: FCC 30 meter

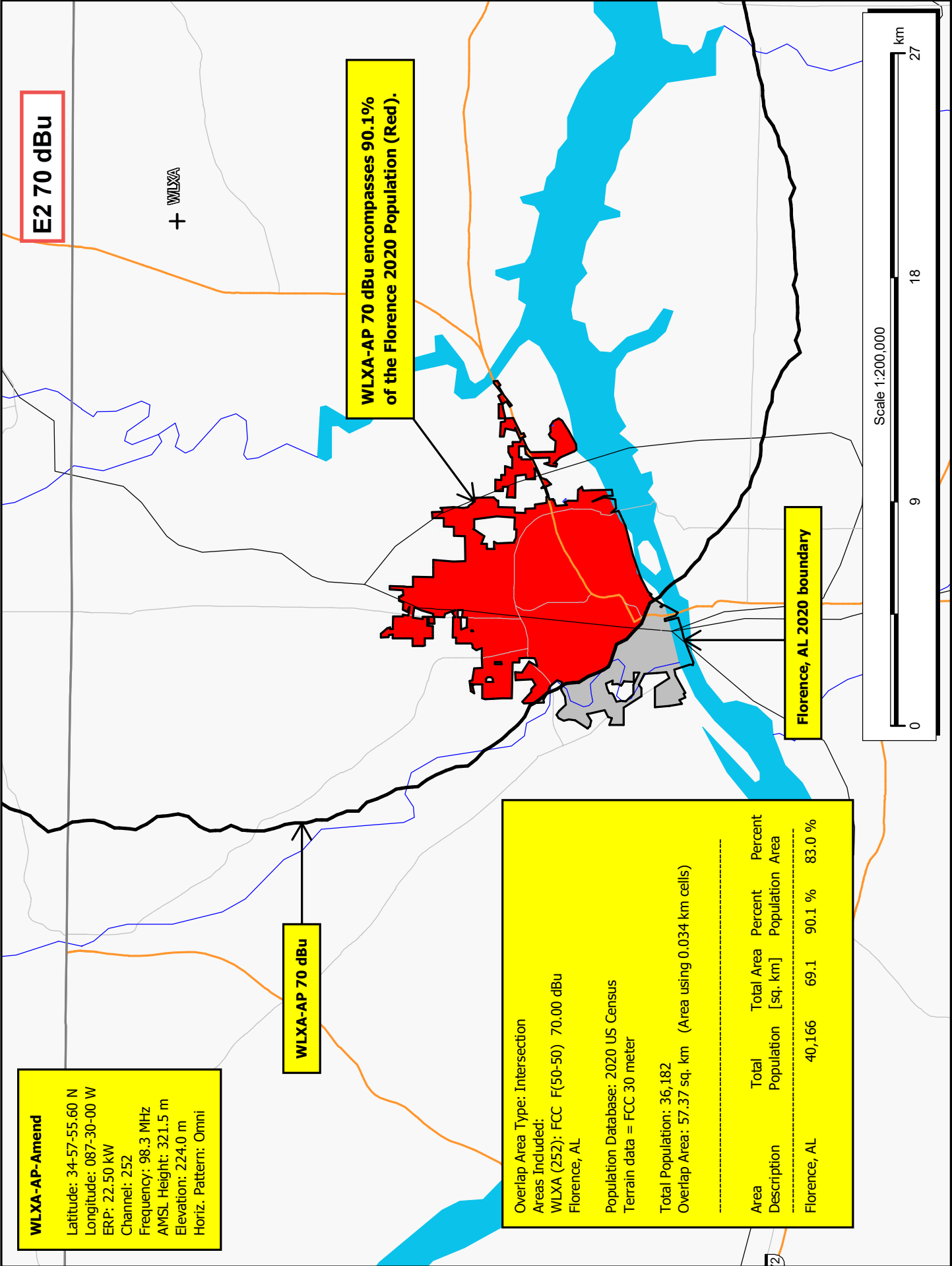
WKEA-FM BLH20070306ABV

WLXA

Channel = 252C3  
Max ERP = 11 kw  
RCAMSL = 505 m  
N. Lat. 34 32 00.30  
W. Lng. 85 55 19.90  
Protected  
60 dBu

Channel = 252C3  
Max ERP = 22.5 kw  
RCAMSL = 321.5 m  
N. Lat. 34 57 55.60  
W. Lng. 87 30 00.00  
Interfering  
40 dBu

| Azimuth<br>(degrees) | ERP<br>(kw) | HAAT<br>(m) | Dist<br>(km) | Azimuth<br>(degrees) | ERP<br>(kw) | HAAT<br>(m) | Dist<br>(km) | Actual<br>(dBu) | IX<br>(km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 260.0                | 011.0000    | 0163.4      | 040.6        | 117.5                | 022.5000    | 0112.0      | 118.0        | 39.14           |            |
| 261.0                | 011.0000    | 0170.0      | 041.3        | 117.5                | 022.5000    | 0111.9      | 117.0        | 39.32           |            |
| 262.0                | 011.0000    | 0169.2      | 041.2        | 117.2                | 022.5000    | 0111.4      | 116.7        | 39.36           |            |
| 263.0                | 011.0000    | 0168.7      | 041.2        | 116.9                | 022.5000    | 0111.5      | 116.3        | 39.43           |            |
| 264.0                | 011.0000    | 0168.8      | 041.2        | 116.6                | 022.5000    | 0111.7      | 115.9        | 39.51           |            |
| 265.0                | 011.0000    | 0167.5      | 041.0        | 116.2                | 022.5000    | 0111.5      | 115.6        | 39.56           |            |
| 266.0                | 011.0000    | 0166.6      | 041.0        | 115.9                | 022.5000    | 0111.9      | 115.3        | 39.62           |            |
| 267.0                | 011.0000    | 0167.7      | 041.1        | 115.6                | 022.5000    | 0112.3      | 114.8        | 39.71           |            |
| 268.0                | 011.0000    | 0169.9      | 041.3        | 115.4                | 022.5000    | 0112.2      | 114.3        | 39.81           |            |
| 269.0                | 011.0000    | 0171.3      | 041.4        | 115.1                | 022.5000    | 0111.0      | 113.8        | 39.86           |            |
| 270.0                | 011.0000    | 0171.8      | 041.5        | 114.8                | 022.5000    | 0111.0      | 113.5        | 39.92           |            |
| 271.0                | 010.5709    | 0171.6      | 041.1        | 114.4                | 022.5000    | 0111.4      | 113.5        | 39.93           |            |
| 272.0                | 010.1503    | 0172.2      | 040.9        | 114.0                | 022.5000    | 0110.0      | 113.5        | 39.89           |            |
| 273.0                | 009.7382    | 0173.9      | 040.7        | 113.6                | 022.5000    | 0109.6      | 113.4        | 39.90           |            |
| 274.0                | 009.3347    | 0174.9      | 040.4        | 113.2                | 022.5000    | 0109.4      | 113.3        | 39.90           |            |
| 275.0                | 008.9397    | 0175.9      | 040.1        | 112.9                | 022.5000    | 0109.0      | 113.4        | 39.88           |            |
| 276.0                | 008.5533    | 0178.4      | 040.0        | 112.5                | 022.5000    | 0108.3      | 113.3        | 39.87           |            |
| 277.0                | 008.1754    | 0181.1      | 039.9        | 112.1                | 022.5000    | 0108.9      | 113.2        | 39.90           |            |
| 278.0                | 007.8060    | 0181.7      | 039.5        | 111.8                | 022.5000    | 0109.3      | 113.4        | 39.89           |            |
| 279.0                | 007.4452    | 0184.1      | 039.3        | 111.4                | 022.5000    | 0109.8      | 113.4        | 39.90           |            |
| 280.0                | 007.0929    | 0187.3      | 039.2        | 111.0                | 022.5000    | 0109.8      | 113.4        | 39.91           |            |
| 281.0                | 006.9453    | 0188.9      | 039.1        | 110.7                | 022.5000    | 0109.2      | 113.3        | 39.90           |            |
| 282.0                | 006.7992    | 0189.2      | 039.0        | 110.3                | 022.5000    | 0107.8      | 113.3        | 39.85           |            |
| 283.0                | 006.6547    | 0191.4      | 039.0        | 110.0                | 022.5000    | 0107.4      | 113.2        | 39.86           |            |
| 284.0                | 006.5117    | 0193.7      | 039.0        | 109.7                | 022.5000    | 0107.2      | 113.1        | 39.87           |            |
| 285.0                | 006.3703    | 0197.5      | 039.1        | 109.3                | 022.5000    | 0107.6      | 112.9        | 39.91           |            |
| 286.0                | 006.2305    | 0201.3      | 039.2        | 109.0                | 022.5000    | 0106.5      | 112.8        | 39.91           |            |
| 287.0                | 006.0922    | 0202.5      | 039.1        | 108.6                | 022.5000    | 0106.4      | 112.8        | 39.90           |            |
| 288.0                | 005.9554    | 0202.8      | 039.0        | 108.3                | 022.5000    | 0106.4      | 112.9        | 39.87           |            |
| 289.0                | 005.8202    | 0202.9      | 038.8        | 107.9                | 022.5000    | 0106.5      | 113.1        | 39.84           |            |
| 290.0                | 005.6866    | 0202.9      | 038.6        | 107.6                | 022.5000    | 0105.5      | 113.3        | 39.78           |            |
| 291.0                | 005.6834    | 0202.7      | 038.6        | 107.3                | 022.5000    | 0104.5      | 113.4        | 39.74           |            |
| 292.0                | 005.6802    | 0200.7      | 038.4        | 106.9                | 022.5000    | 0104.1      | 113.6        | 39.69           |            |
| 293.0                | 005.6771    | 0196.4      | 038.1        | 106.6                | 022.5000    | 0104.3      | 114.0        | 39.62           |            |
| 294.0                | 005.6739    | 0195.5      | 038.0        | 106.3                | 022.5000    | 0103.9      | 114.1        | 39.58           |            |
| 295.0                | 005.6708    | 0195.8      | 038.0        | 105.9                | 022.5000    | 0104.0      | 114.2        | 39.57           |            |
| 296.0                | 005.6676    | 0199.0      | 038.3        | 105.6                | 022.5000    | 0104.2      | 114.0        | 39.60           |            |
| 297.0                | 005.6644    | 0203.7      | 038.7        | 105.2                | 022.5000    | 0104.4      | 113.8        | 39.66           |            |
| 298.0                | 005.6613    | 0207.9      | 039.0        | 104.9                | 022.5000    | 0104.2      | 113.6        | 39.68           |            |
| 299.0                | 005.6581    | 0210.0      | 039.1        | 104.5                | 022.5000    | 0103.7      | 113.6        | 39.66           |            |
| 300.0                | 005.6550    | 0210.1      | 039.1        | 104.2                | 022.5000    | 0102.8      | 113.8        | 39.60           |            |
| 301.0                | 005.6723    | 0209.5      | 039.1        | 103.8                | 022.5000    | 0102.5      | 114.0        | 39.56           |            |
| 302.0                | 005.6897    | 0210.9      | 039.2        | 103.5                | 022.5000    | 0102.6      | 114.1        | 39.55           |            |
| 303.0                | 005.7072    | 0216.5      | 039.7        | 103.1                | 022.5000    | 0103.9      | 113.9        | 39.62           |            |
| 304.0                | 005.7246    | 0218.2      | 039.8        | 102.8                | 022.5000    | 0105.3      | 114.0        | 39.65           |            |
| 305.0                | 005.7421    | 0219.0      | 039.9        | 102.4                | 022.5000    | 0105.9      | 114.1        | 39.64           |            |
| 306.0                | 005.7596    | 0221.7      | 040.1        | 102.0                | 022.5000    | 0105.2      | 114.2        | 39.61           |            |
| 307.0                | 005.7771    | 0223.5      | 040.3        | 101.7                | 022.5000    | 0102.8      | 114.3        | 39.51           |            |
| 308.0                | 005.7946    | 0222.2      | 040.2        | 101.4                | 022.5000    | 0101.9      | 114.7        | 39.41           |            |
| 309.0                | 005.8122    | 0217.8      | 039.9        | 101.1                | 022.5000    | 0102.1      | 115.3        | 39.32           |            |
| 310.0                | 005.8298    | 0213.6      | 039.6        | 100.9                | 022.5000    | 0102.2      | 115.8        | 39.22           |            |
| 311.0                | 005.8699    | 0209.8      | 039.4        | 100.7                | 022.5000    | 0102.3      | 116.4        | 39.13           |            |
| 312.0                | 005.9102    | 0207.5      | 039.3        | 100.4                | 022.5000    | 0102.1      | 116.8        | 39.04           |            |
| 313.0                | 005.9506    | 0205.9      | 039.2        | 100.1                | 022.5000    | 0102.3      | 117.2        | 38.98           |            |
| 314.0                | 005.9911    | 0205.6      | 039.2        | 099.8                | 022.5000    | 0103.2      | 117.6        | 38.95           |            |
| 315.0                | 006.0317    | 0204.6      | 039.2        | 099.6                | 022.5000    | 0103.1      | 118.0        | 38.87           |            |



# E3 WLXA 252C3 REFERENCE POINT CHANNEL STUDY

|                                    |                              |                 |
|------------------------------------|------------------------------|-----------------|
| REFERENCE                          |                              | DISPLAY DATES   |
| 34 45 23.60 N.                     | CLASS = C3                   | DATA 09-19-22   |
| 87 40 43.60 W.                     | Current Spacings to 3rd Adj. | SEARCH 09-19-22 |
| ----- Channel 252 - 98.3 MHz ----- |                              |                 |

| Call    | Channel     | Location   |    | Azi   | Dist   | FCC   | Margin |
|---------|-------------|------------|----|-------|--------|-------|--------|
| WLXA    | APP 252C3   | Florence   | AL | 329.6 | 0.02   | 152.5 | -152.5 |
| WLXA    | RSV-A 252C3 | Florence   | AL | 1.7   | 4.80   | 152.5 | -147.7 |
| WLXA    | LIC-N 252C3 | Loretto    | TN | 35.0  | 28.35  | 152.5 | -124.2 |
| WZLQ    | LIC 253C1   | Tupelo     | MS | 244.6 | 150.64 | 143.5 | 7.1    |
| WKEA-FM | LIC-Z 252C3 | Scottsboro | AL | 98.3  | 162.93 | 152.5 | 10.4   |
| WTXT    | LIC 251C1   | Fayette    | AL | 183.2 | 159.29 | 143.5 | 15.8   |
| WJLI    | LIC 252C1   | Metropolis | IL | 341.8 | 233.56 | 210.5 | 23.1   |
| WKXM-FM | LIC-Z 249A  | Winfield   | AL | 188.0 | 81.22  | 41.5  | 39.7   |

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Reference station has protected zone issue: AM tower  
 RSV-R = reserved - needs protection, RSV-A = allocation  
 All separation margins include rounding.

**WLXA-Ref.-AP-Amend**

Latitude: 34-45-23.60 N  
Longitude: 087-40-43.60 W  
Channel: 252  
Frequency: 98.3 MHz

**E4 252C3  
REFERENCE  
POINT 70 dBu**

**WLXA-AP  
Reference Point  
Circular 252C3 70 dBu = 23.2 km  
encompasses Florence, AL  
2020 boundary.**

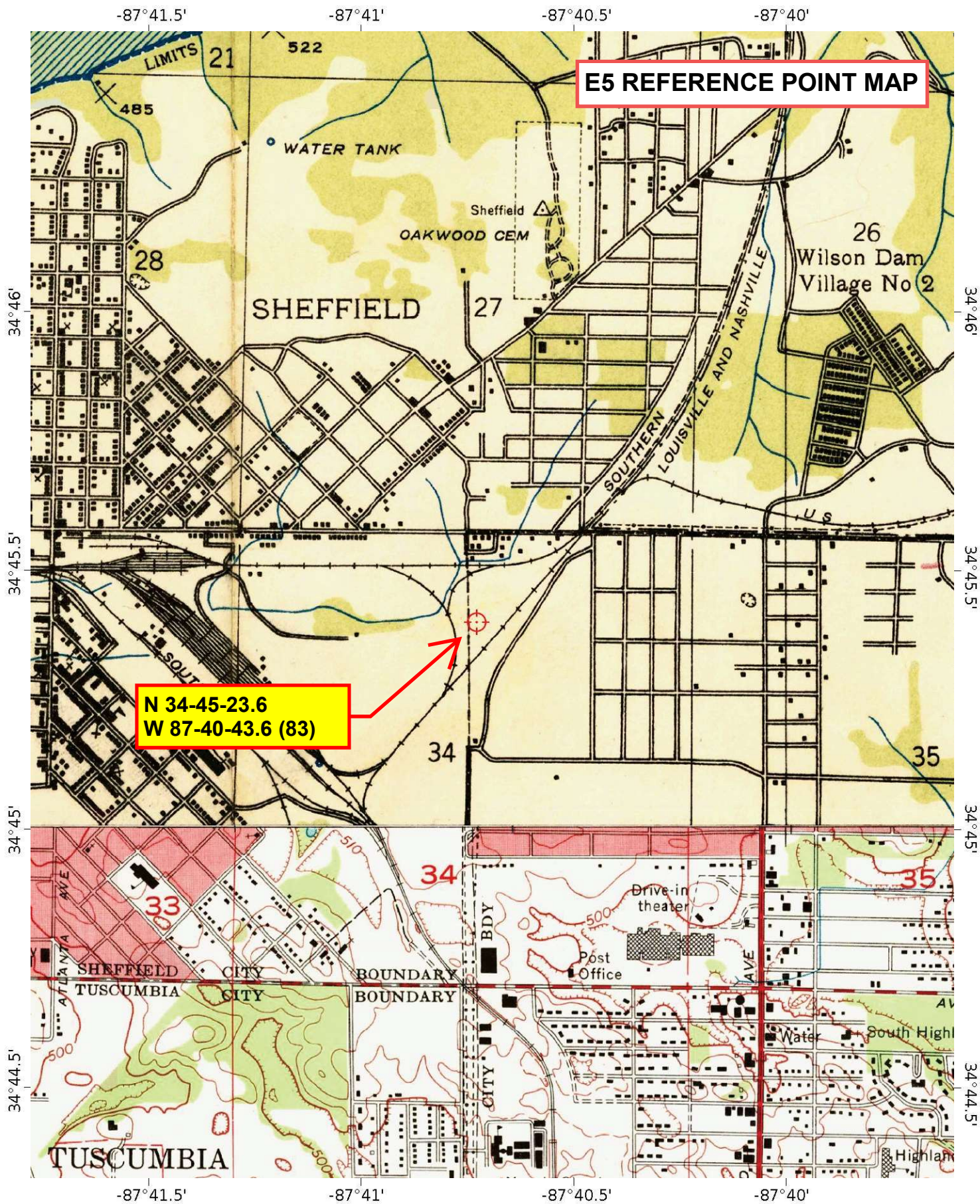
**Florence, AL 2020 boundary**

WLXA-Ref.  
+

Scale 1:200,000



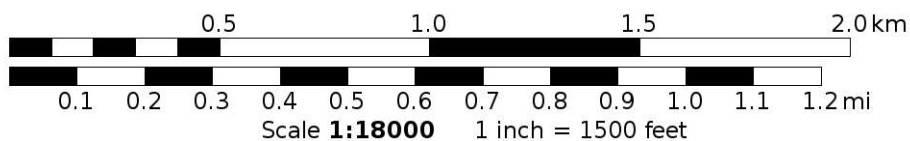




Mercator Projection

WGS84

UTM Zone 16S

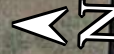


MN  
-3.3°



E5 REFERENCE POINT AERIAL

N 34-45-23.6  
W 87-40-43.6  
ASR #1299445





## E6 Registration 1298784



### Registration Detail

|             |          |             |             |
|-------------|----------|-------------|-------------|
| Reg Number  | 1298784  | Status      | Constructed |
| File Number | A1120452 | Constructed | 11/23/2018  |
| EMI         | No       | Dismantled  |             |
| NEPA        |          |             |             |

### Antenna Structure

Structure Type GTOWER - Guyed Structure Used for Communication Purposes

#### Location (in NAD83 Coordinates)

|                       |                            |                               |                     |
|-----------------------|----------------------------|-------------------------------|---------------------|
| Lat/Long              | 34-57-55.6 N 087-30-00.0 W | Address                       | 301 Turrentine Road |
| City, State           | Killen , AL                |                               |                     |
| Zip                   | 35645                      | County                        | LAUDERDALE          |
| Center of<br>AM Array |                            | Position of Tower<br>in Array |                     |

### Heights (meters)

|  |   |
|--|---|
| Elevation of Site Above Mean Sea Level | Overall Height Above Ground (AGL)             |
| 224.0                                  | 128.0   |
| Overall Height Above Mean Sea Level    | Overall Height Above Ground w/o Appurtenances |
| 352.0                                  | 128.0   |

### Painting and Lightings Specifications

FAA Chapters 3, 4, 5, 12  
Paint and Light in Accordance with FAA Circular Number 70/7460-1K

### FAA Notification

|           |                  |                |            |
|-----------|------------------|----------------|------------|
| FAA Study | 2014-ASO-9178-OE | FAA Issue Date | 09/15/2014 |
|-----------|------------------|----------------|------------|

### Owner & Contact Information

|     |            |                      |             |
|-----|------------|----------------------|-------------|
| FRN | 0006155576 | Owner Entity<br>Type | Corporation |
|-----|------------|----------------------|-------------|

#### Owner

|  |   |
|--|---|
| Professional 2 Way Radio, Inc.<br>Attention To: Greg Clemmons<br>2806 W. Mall Drive<br>Florence , AL 35630 | P: (256)460-7444<br>F:<br>E: greg6097@gmail.com |
|--|---|

#### Contact

|  |   |
|--|---|
| CLEMMONS , GREG<br>2806 W. Mall Drive<br>Florence , AL 35630 | P: (256)460-7444<br>F:<br>E: greg6097@gmail.com |
|--|---|

### Last Action Status

|         |              |          |            |
|---------|--------------|----------|------------|
| Status  | Constructed  | Received | 11/26/2018 |
| Purpose | Notification | Entered  | 11/26/2018 |
| Mode    | Interactive  |          |            |



### **307(b) Showing**

Radio7Media LLC, licensee of Station WLXA(FM), Loretto, Tennessee, submits this statement in support of its application to change the city of license from Loretto, Tennessee to Florence, Alabama. Radio7Media LLC will demonstrate, pursuant to Section 307(b) of the Communications Act, 47 U.S.C. § 307(b), *Revision of Procedures Governing Amendments to FM Table of Allotments and Changes of Community of License in the Radio Broadcast Services*, 21 FCC Rcd 14212, ¶ 10 (2006) and *Policies to Promote Rural Radio Service and to Streamline Allotment and Assignment Procedures*, 26 FCC Rcd 2556 (2011), recon. 27 FCC Rcd 12829 (2012) (“*Rural Radio*”) that the proposed city of license change is in the public interest.

As demonstrated in the technical exhibits, Channel 252C3 can be allotted to Florence consistent with Section 73.207 of the Commission’s Rules. In addition, a 70 dBu signal can be provided to Florence from the proposed allotment and application sites. From the proposed application site, there will be a net gain in population within the proposed 60 dBu contour to 5,370 persons. There is no loss area.

Radio7Media LLC is not claiming a first local service preference because the existing WLXA facility already provides a 70 dBu signal to more than 50% of the Florence, Alabama Urbanized Area. Of course, the new community of license, Florence, Alabama, is the central community in this Urbanized Area. Thus, the proposal is for an intra-urbanized area change in community of license. In the case of *Gearhart, Madras, Manzanita and Seaside, Oregon* (“*Gearhart*”), 26 FCC Rcd 10259 (MB 2011), the Media Bureau found that the Rural Radio policies do not present an obstacle to the change of community of license where the 70 dBu contours for both the existing and proposed communities of license cover more than 50% of the same urbanized area. In *Gearhart*, the Bureau stated where a “first local service preference is not being used to enter the market”<sup>1</sup> the stricter standards are not to be applied. Instead, the determination is based on the Priority 4 public interest factors. Here, the application satisfies

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<sup>1</sup> Citing *East Los Angeles, Long Beach and Frazier Park, California*, 10 FCC Rcd. 3864, 3869 (MMB 1995); *Rural Radio* at ¶ 10.

Priority 4 by providing a net gain in population and by being able to better serve the Florence, Alabama Urbanized Area.<sup>2</sup> In this regard, the proposed change will cover 56.6% of the Florence, Alabama Urbanized Area instead of the current 52.6% coverage with a 70 dBu signal.

In *Amendment of the Commission's Rules Regarding Modification of FM and TV Authorizations to Specify a New Community of License*, 4 FCC Rcd 4870 (1989), *recons. granted in part*, 5 FCC Rcd 7094 (1990) (“*Community of License Order*”) as modified by the *Rural Radio* decision, the Commission stated that a station may change its community of license without subjecting the license to other expressions of interest if: (1) the proposed allotment is mutually exclusive with the current allotment; (2) the current community of license will not be deprived of its only local service; and (3) the proposed arrangement of allotments is preferred under the Commission's allotment priorities. These criteria are met here.

First, the proposed use of Channel 252C3 at Florence is mutually exclusive with the current use of Channel 252C3 at Loretto.

Second, under the *Rural Radio* policies, the loss of local service is not recognized for Section 307(b) comparisons because the current 70 dBu contour covers more than 50% of the Urbanized Area. See *Rural Radio* at ¶¶ 30, 38 (a station that places a “principal community signal over 50 percent or more of an urbanized area . . . will be presumed to . . . serve the urbanized area rather than the proposed community”).

Finally, as stated, the proposal satisfies Priority 4 based on the net gain population in the 60 dBu contour and the increased coverage over the Florence, Alabama Urbanized Area. See *Revision of FM Assignment Policies and Procedures*, 90 FCC 2d 88 (1982).<sup>3</sup>

In conclusion, Radio7Media LLC's proposed change in community of license will benefit the public interest.

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<sup>2</sup> See *Rural Radio* at 10263. See also Station KYOK(AM), Conroe, Texas (BP-20110407ABH). Letter dated April 16, 2013 at p.2.

<sup>3</sup> The FCC's FM allotment priorities are as follows: (1) first full-time aural service, (2) second full-time aural service, (3) first local service, and (4) other public interest matters.

**WLXA**  
**FCC Facility #53875**  
**BPH-20161012AAD**  
**Minor Amendments**

**§307(b) Technical Analysis**  
**Requesting City of License Change to Florence, AL**

This Section 307(b) technical report has been developed for Radio 7 Media, LLC in support of minor amendments to application BPH-20161012AAD and in response to the Commission's 30 day letter 1800B3-TSN.

The minor amendments address the Commission's noted deficiency of a 60 dBu population loss, by changing site and proposing a 60 dBu population increase of 5,370 (2020) in an area of 192 sq km while maintaining the proposed change in community of license to Florence, AL.

**Proposed terrain based service contour population and area (2020):**

**60 dBu = 184,965/ 4,770 sq km**

**70 dBu = 90,433/ 1,717.6 sq km**

**Gain-Loss area (exhibits A and B):**

The WLXA amended application results in a net 60 dBu population gain of 5,370 (based on 2020 census data) and 192 sq km in area (see exhibit A)<sup>1</sup>. There is no loss area.

Exhibit B demonstrates that the gain area will receive new 8<sup>th</sup> or greater reception service.

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<sup>1</sup> All exhibits prepared utilizing V-Soft's Probe 5 software. Contours are plotted in 360 degree intervals using FCC 30 second terrain. Reception services are FM 60 dBu and AM 2 mV/m using the Probe 5 Service Counting tool.

# Anderson Associates

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## Broadcast Engineering Consultants

### **Urbanized areas (exhibit C):**

The licensed WLXA 70 dBu encompasses 52.6% of the Florence Urbanized Area (2010 boundaries used per Commission policy). The proposed 70 dBu encompasses 56.6% of the Florence Urbanized Area (+4%) and increases the Urbanized Area population served with a 70 dBu from 42,652 to 45,987 (+3,335).

### **Reception services (exhibit D):**

Exhibit D shows a total of thirteen (11 FM + 2 AM) FM 60 dBu or Am 2 mV/m reception services covering Loretto, TN.

### **Conclusion:**

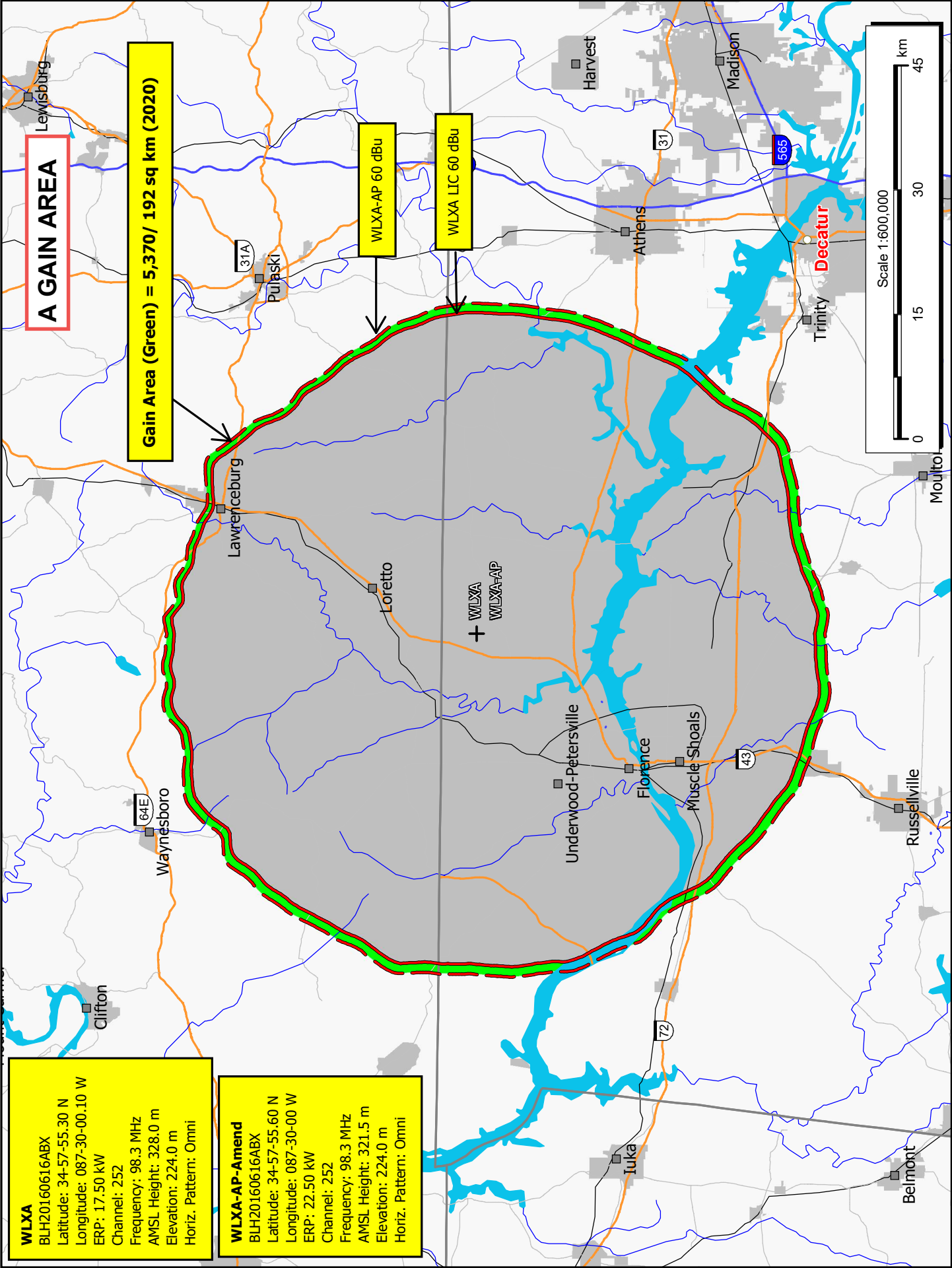
It is concluded that the amended WLXA application results in a priority four preferential arrangement of allocations with an increase in 60 dBu population served of 5,370 in an area of 192 sq km as well as a 4% increase in area and 3,335 (+4.2%) in population of the Florence, AL Urbanized Area 70 dBu coverage. There is no loss area. Since the licensed WLXA facility encompasses more than 50% of the Florence, AL Urbanized Area, the removal of local service at Loretto, TN is not a factor. In fact, Loretto does not lose reception service.

Semester 21, 2022

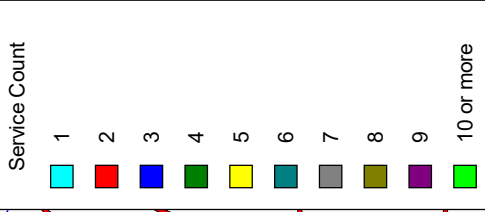


Charles M. Anderson  
270-535-4432

[cma@andersonassociatesradio.com](mailto:cma@andersonassociatesradio.com)



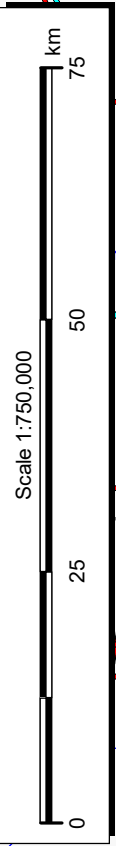
**B GAIN  
SERVICES  
FM 60 dBu  
AM 2 mV/m**



LIC 60 dBu

AP 60 dBu

| Service Gain/Loss 2020 US Census      |       |      |          |       |
|---------------------------------------|-------|------|----------|-------|
| Proposed: WLXA-AP 60.00 dBu           |       |      |          |       |
| Reference: WLXA-LIC 60.00 dBu         |       |      |          |       |
| Gain Area Total Population: 5,370     |       |      |          |       |
| Loss Area Total Population: 0         |       |      |          |       |
| Common Area Total Population: 179,595 |       |      |          |       |
| Net Gain in Total Population: 5,370   |       |      |          |       |
| Services                              | Gain  | Loss | Net Gain |       |
| 1                                     | 0     | 0    | 0        | 0     |
| 2                                     | 0     | 0    | 0        | 0     |
| 3                                     | 0     | 0    | 0        | 0     |
| 4                                     | 0     | 0    | 0        | 0     |
| 5                                     | 0     | 0    | 0        | 0     |
| 6                                     | 0     | 0    | 0        | 0     |
| 7                                     | 0     | 0    | 0        | 0     |
| 8                                     | 61    | 0    | 61       | 61    |
| 9                                     | 114   | 0    | 114      | 114   |
| 10 or more                            | 5,195 | 0    | 5,195    | 5,195 |





**C URBANIZED AREA**

**WLXA-AP 70 dBu**

**WLXA 70 dBu - Licensed**

Encompasses 52.6% of Florence Urbanized Area  
with a population of 42,652 (53.06%).

**Florence, AL 2010 Urbanized Area**

Overlap Population Report: WLXA-AP/ Florence, AL  
Overlap Area Type: Intersection  
Population Database: 2020 US Census (PL)

Total Population: 45,987  
Overlap Area: 92.24 sq. km (Area determined using 0.047 km cells)

| Area Description | Total Population | Total Area [sq. km] | Percent Population | Percent Area |
|------------------|------------------|---------------------|--------------------|--------------|
| Florence, AL     | 80,376           | 163.04              | 57.2 %             | 56.6 %       |

70 dBu Urbanized Area population increase = 3,335 (2020).

Scale 1:250,000



## D LORETTO RECEPTION SERVICES

### FM Stations Covering Loretto (60 dBu):

| Call Sign               | Principal City | State | Frequency (MHz) | FCC Facility ID |
|-------------------------|----------------|-------|-----------------|-----------------|
| <a href="#">WLXA</a>    | Loretto        | TN    | 98.3            | 53875           |
| <a href="#">WXFL</a>    | Florence       | AL    | 96.1            | 4770            |
| <a href="#">WLLX</a>    | Lawrenceburg   | TN    | 97.5            | 53664           |
| <a href="#">WMXV</a>    | St. Joseph     | TN    | 101.5           | 6709            |
| <a href="#">WQLT-FM</a> | Florence       | AL    | 107.3           | 5274            |
| <a href="#">WAWI</a>    | Lawrenceburg   | TN    | 89.7            | 81646           |
| <a href="#">WFIX</a>    | Florence       | AL    | 91.3            | 67799           |
| <a href="#">WEUZ</a>    | Minor Hill     | TN    | 92.1            | 7053            |
| <a href="#">WYTK</a>    | Rogersville    | AL    | 93.9            | 14052           |
| <a href="#">WMSR-FM</a> | Collinwood     | TN    | 94.9            | 50128           |
| <a href="#">WZYP</a>    | Athens         | AL    | 104.3           | 3083            |

### AM Stations Covering Loretto (2 mV/m):

| Call Sign            | Principal City | State | Frequency (kHz) | FCC Facility ID |
|----------------------|----------------|-------|-----------------|-----------------|
| <a href="#">WWLX</a> | LAWRENCEBURG   | TN    | 590             | 53665           |
| <a href="#">WSM</a>  | NASHVILLE      | TN    | 650             | 74066           |