

# AMATEUR RADIO CLUB OF COLUMBIA COUNTY, INC. GENERAL MEETING

Tuesday, November 24, 2015

7 PM

# Invocation

# Recognize Special Visitors



HAPPY BIRTHDAY LOUIS!!!

**Happy  
Birthday**



# ARCCC, Inc. Agenda Overview

- Welcome and Introductions
- Applications for New Membership
- Treasury Report and Meeting Minutes
- Swap Table
- Upcoming Events
- New Business
- Committee Updates

# Welcome and Introductions

- Please Sign In on the Attendance Log
  - Please print legibly
- Introductions
  - Go around the room and provide your name and callsign



# Applications for New Membership

- From 11-14-2015 VE Session
  - Timothy Graziano (Tech)
  - Eric Kjeldergaard (General)
  - Fred McNeely (General)
  - Justin Oursler (Tech)
  - Rory Rezzelle (Tech)
  - David Winkler (Tech)

# Any Additional Membership Applications?

- Query those present to see if they have any ARCCC, Inc. Applications to turn in.

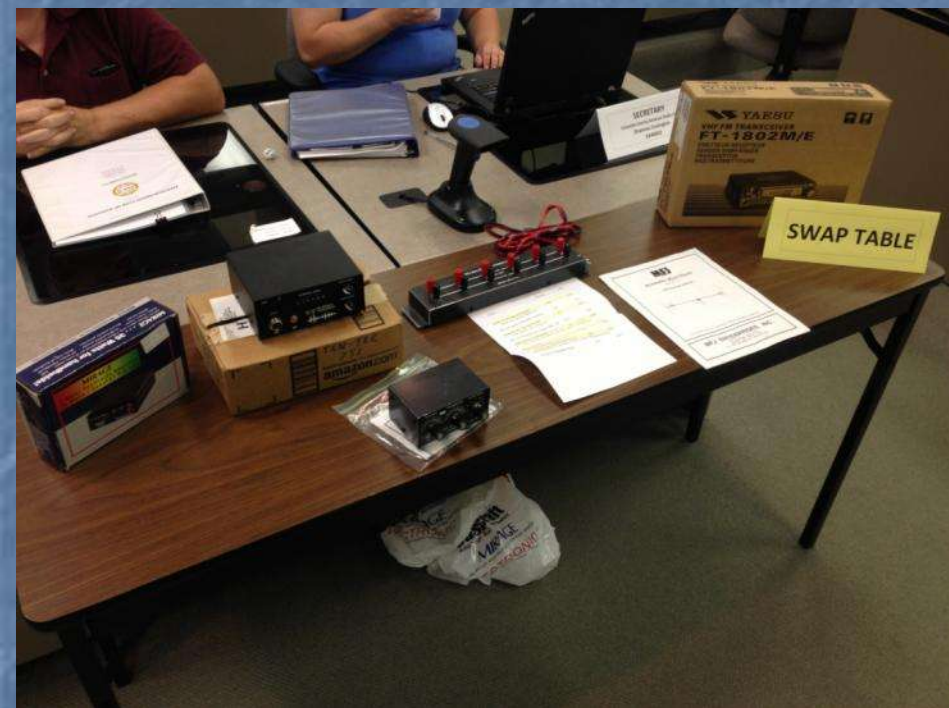


# ARCCC, Inc. Reports

- Treasurer's Report
- Secretary's Report



# Swap Table



# ARRL Membership



- Going up \$10 to \$49 in 2016
  - (Currently \$39)
- You may renew up to 2 years for \$38 a year (Total \$76)
- Or, You may renew up to 3 years for \$37 a year (Total \$111)



# Upcoming Events

- 12-10-2015 – ARCCC, Inc. Christmas Dinner – Olive Garden at 6 PM
  - PLEASE RSVP!!!
- Unwrapped Toys to Donate to the Child Enrichment Center

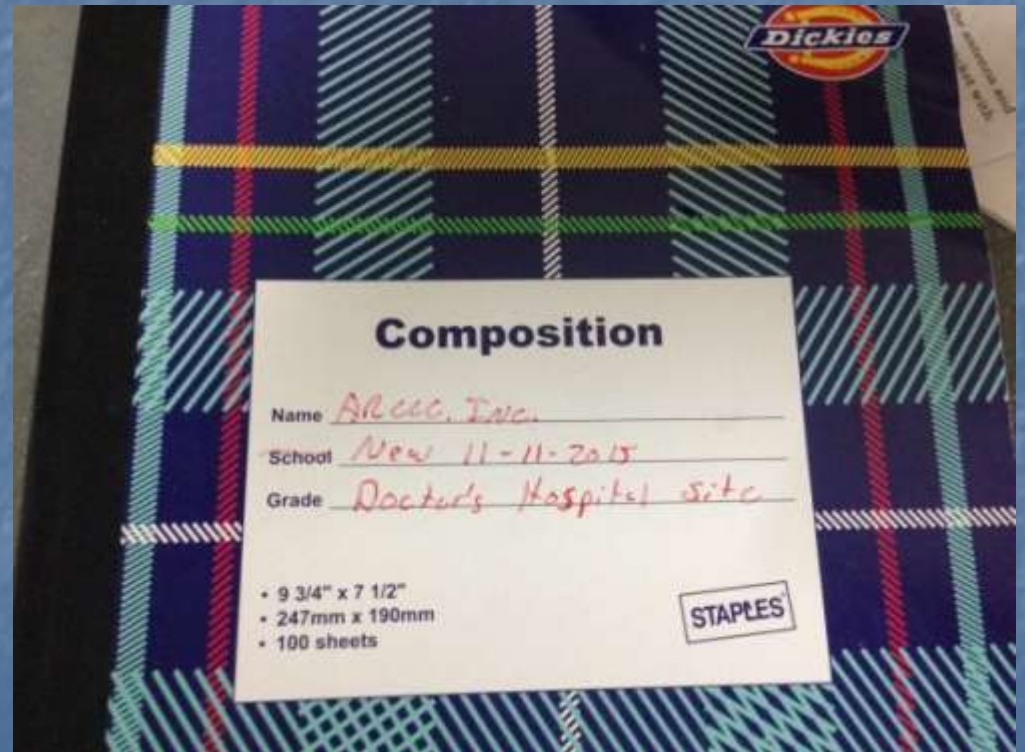
# Committee Updates

# Committee Updates

- Repeater Committee
  - Howard Weeks (K5JCP) – Director
  - Richard Strugis (KR4XN) – Trustee
  - Walter Brumbeloe (W4EFS)
  - Earl Welsh (KG4HIQ)
    - PowerGates on all Repeaters (Richard/Walter)
    - Update on Journals and Locks
    - 444.900 Yaesu Fusion Repeater Update
      - 444.675 Repeater on the air at Doctor's Hospital
    - Repeater Initiative Proposal



# Repeater Site Journals



# Repeater Site Locks









**146 & 446 MHz SUPER GAIN DUAL**  
**MODEL GP-6**

G : 6.5dB(146MHz) 9.0dB(446MHz) P : 200W  $Z_0$  : 50 $\Omega$   
V.SWR : LESS 1.5 L : 3.18m W : 1.6kg CONN : M(SO-239)

COMET



5  
only

ACCESS  
PANEL  
DO NOT  
OBSTRUCT



































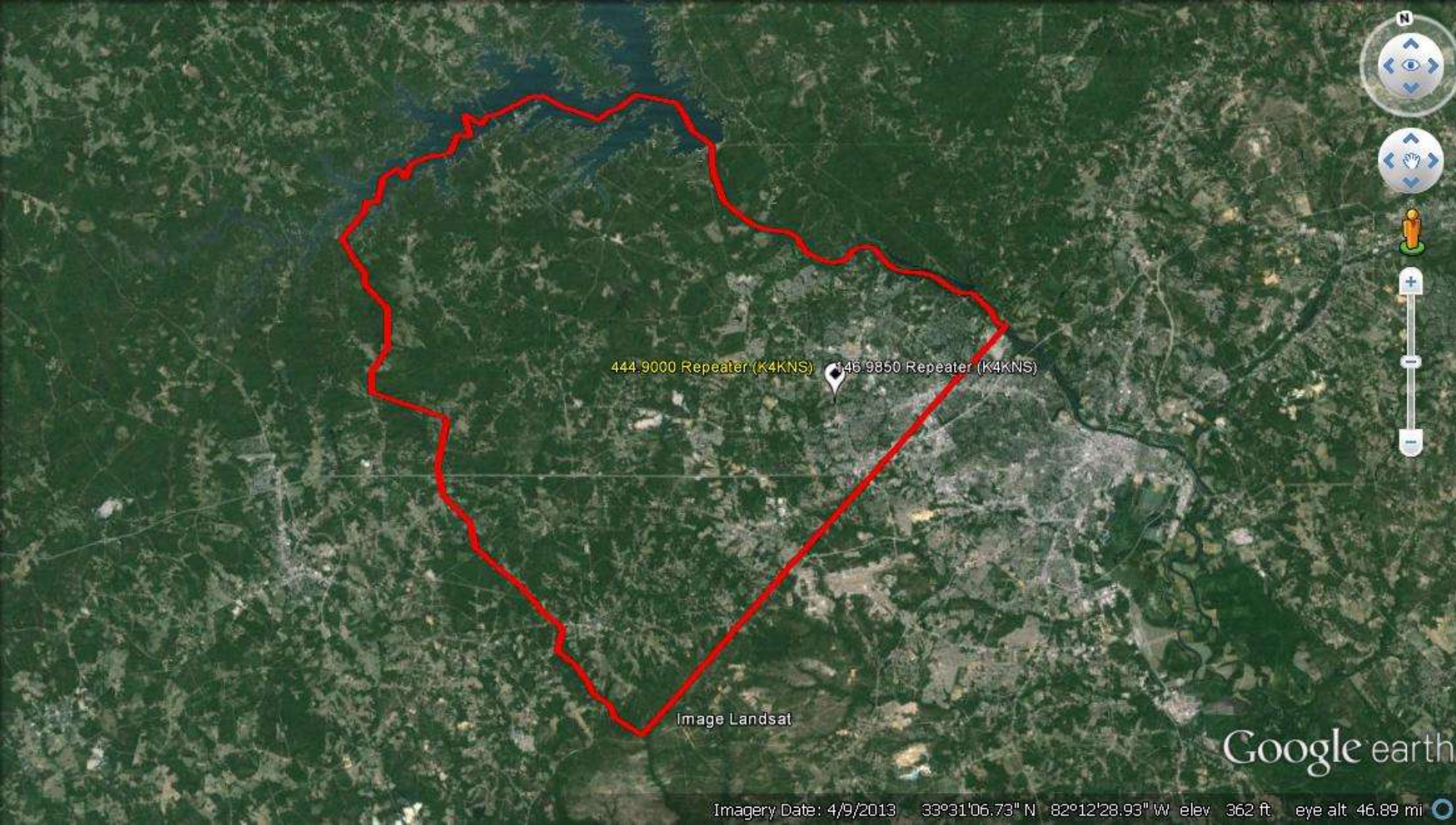
# Purchase of a Dual Band Antenna for Doctors Hospital



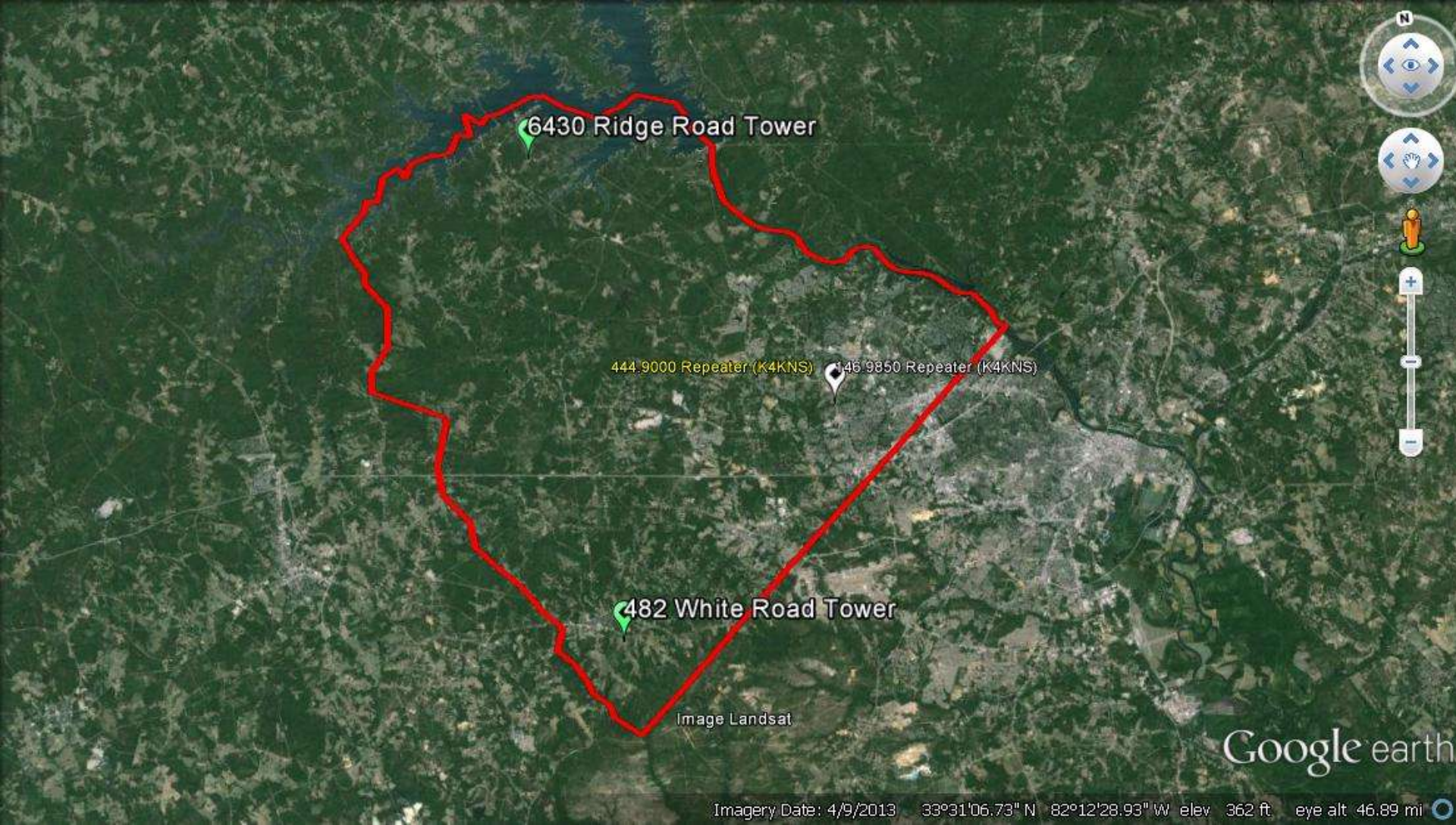
# ARCCC, Inc. Repeater Initiative

- Consideration









6430 Ridge Road Tower

444.9000 Repeater (K4KNS)

146.9850 Repeater (K4KNS)

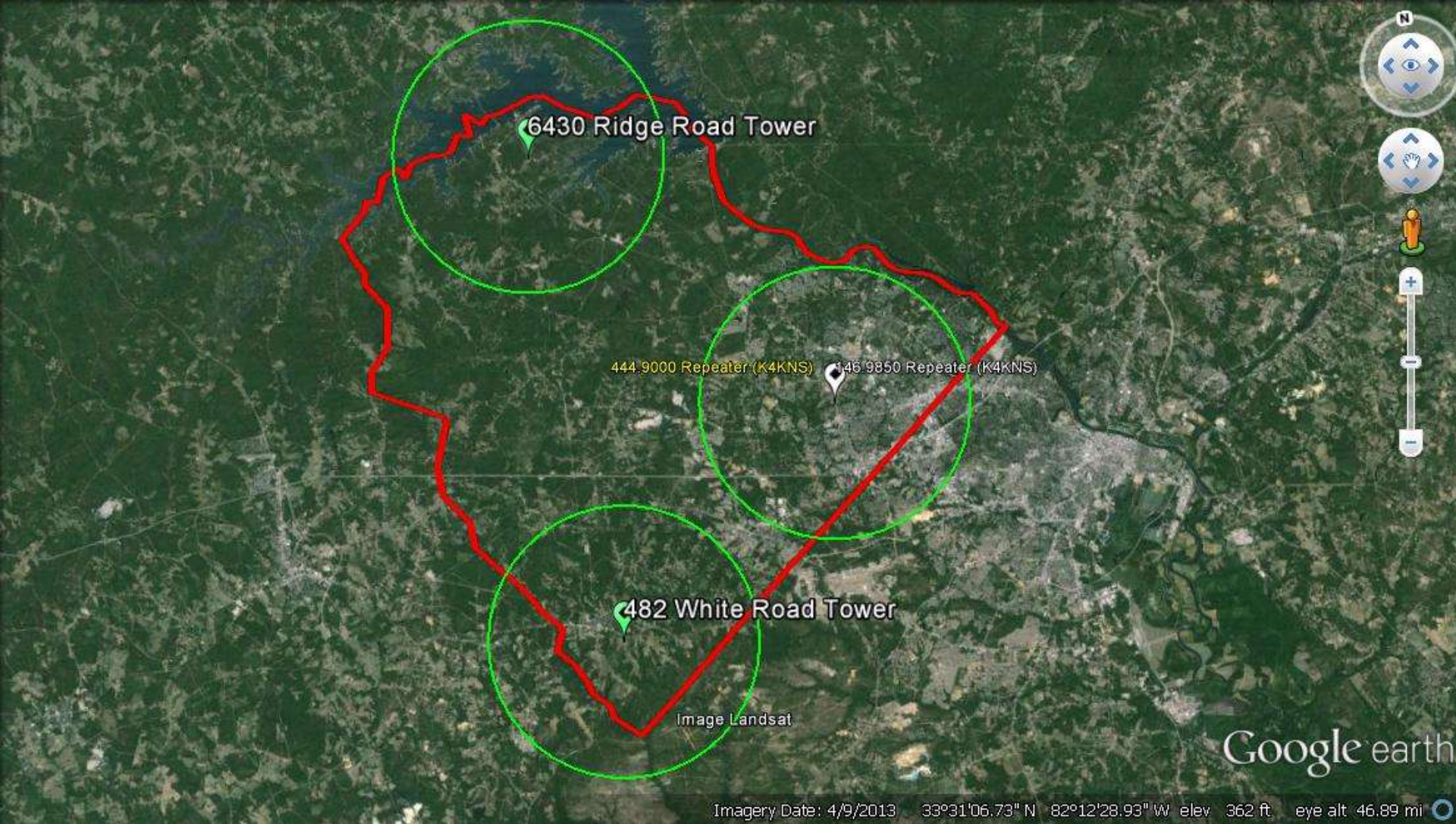
482 White Road Tower

Image Landsat

Google earth

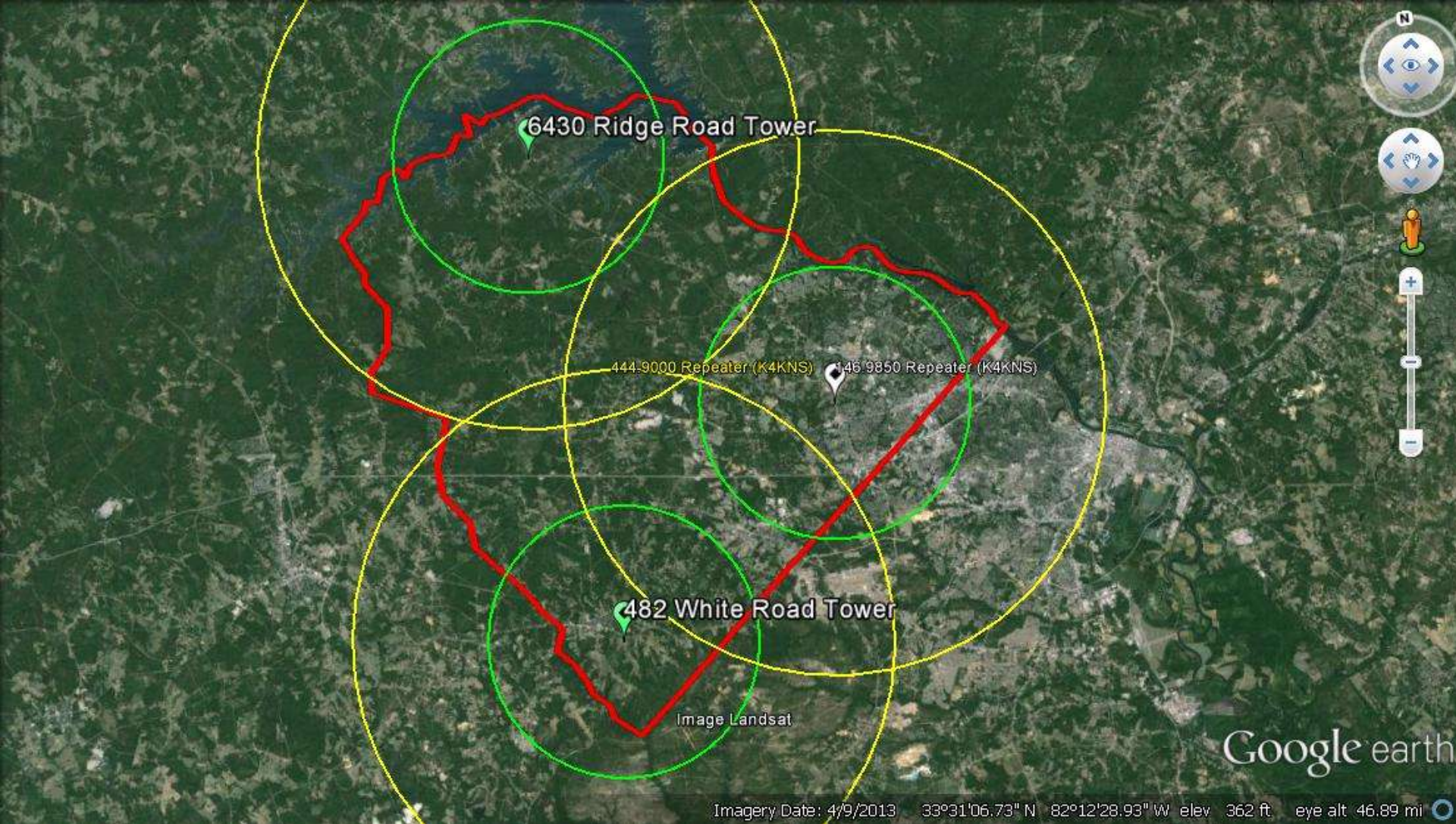
Imagery Date: 4/9/2013 33°31'06.73" N 82°12'28.93" W elev 362 ft eye alt 46.89 mi





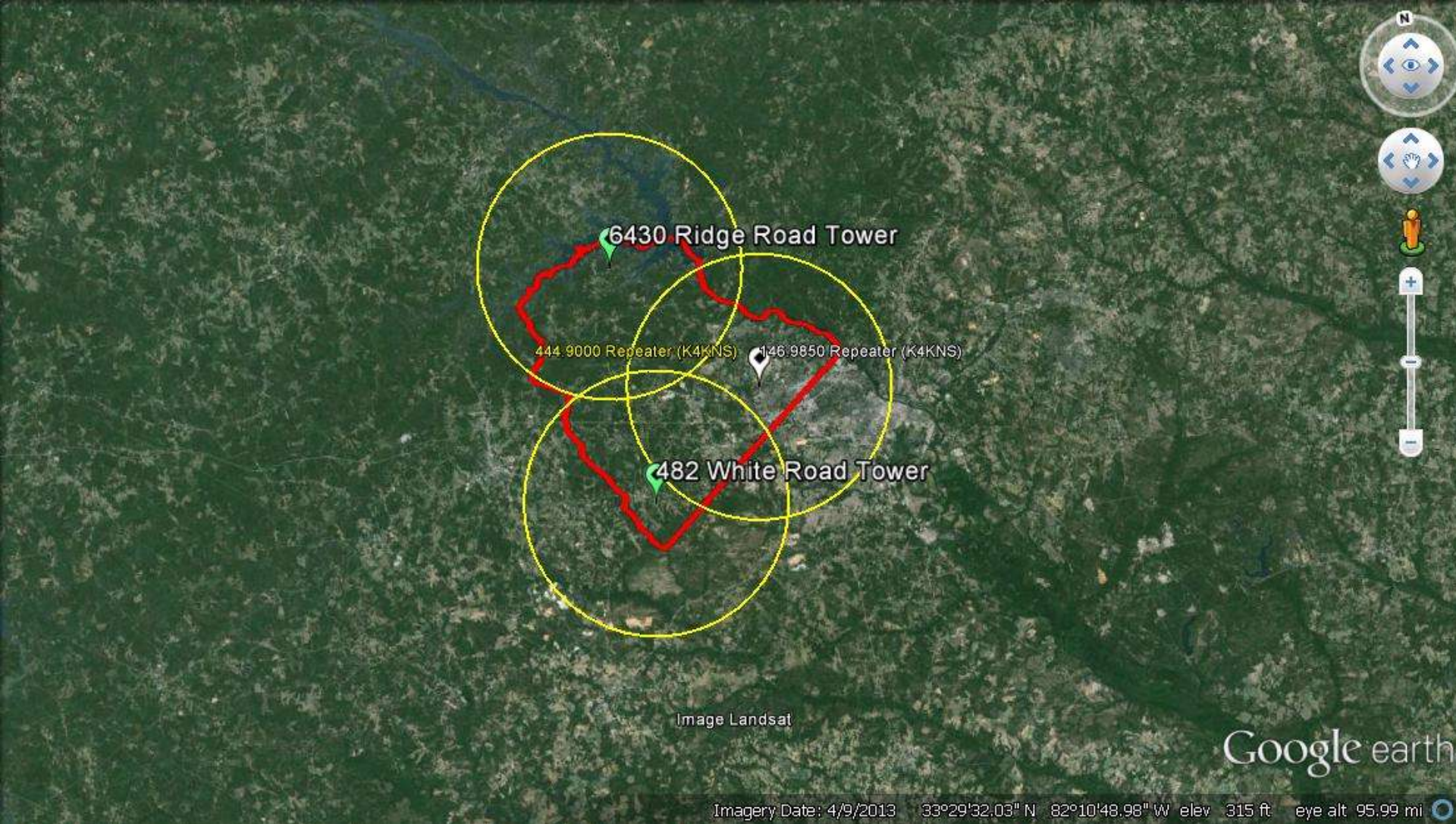
5 Mile Circles (Green)





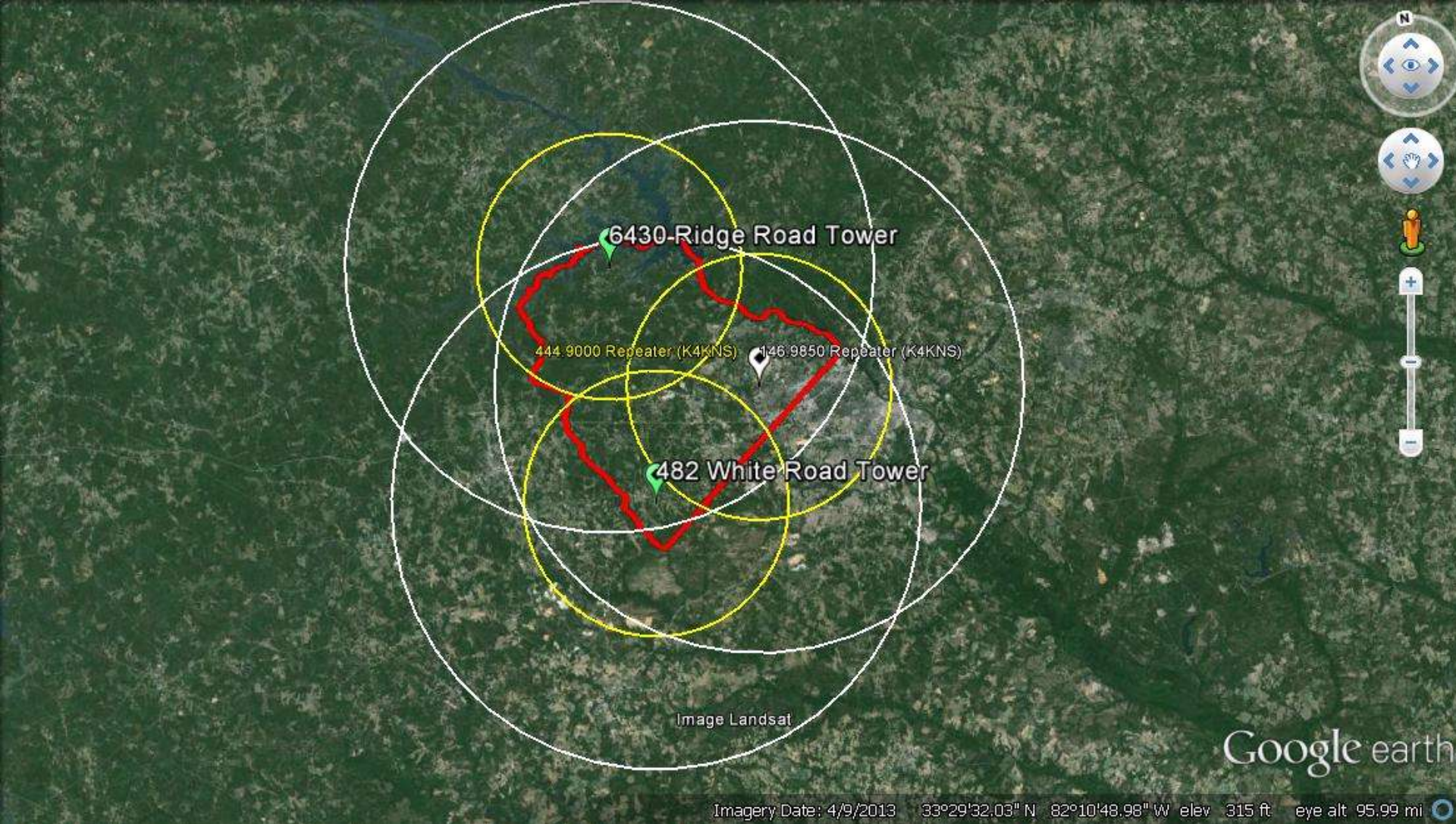
5 Mile Circles (Green)  
10 Mile Circles (Yellow)





# 10 Mile Circles (Yellow)

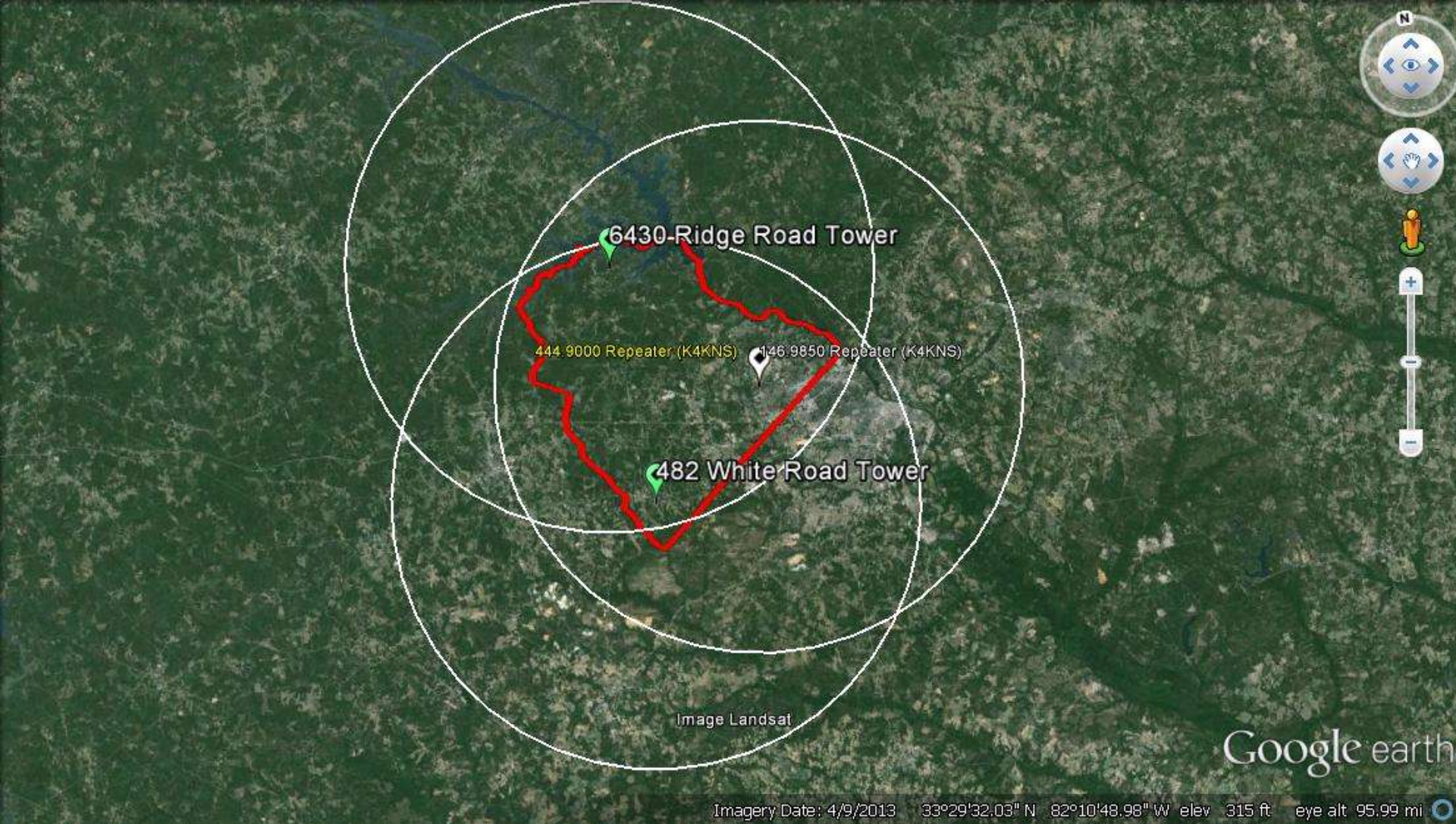




10 Mile Circles (Yellow)

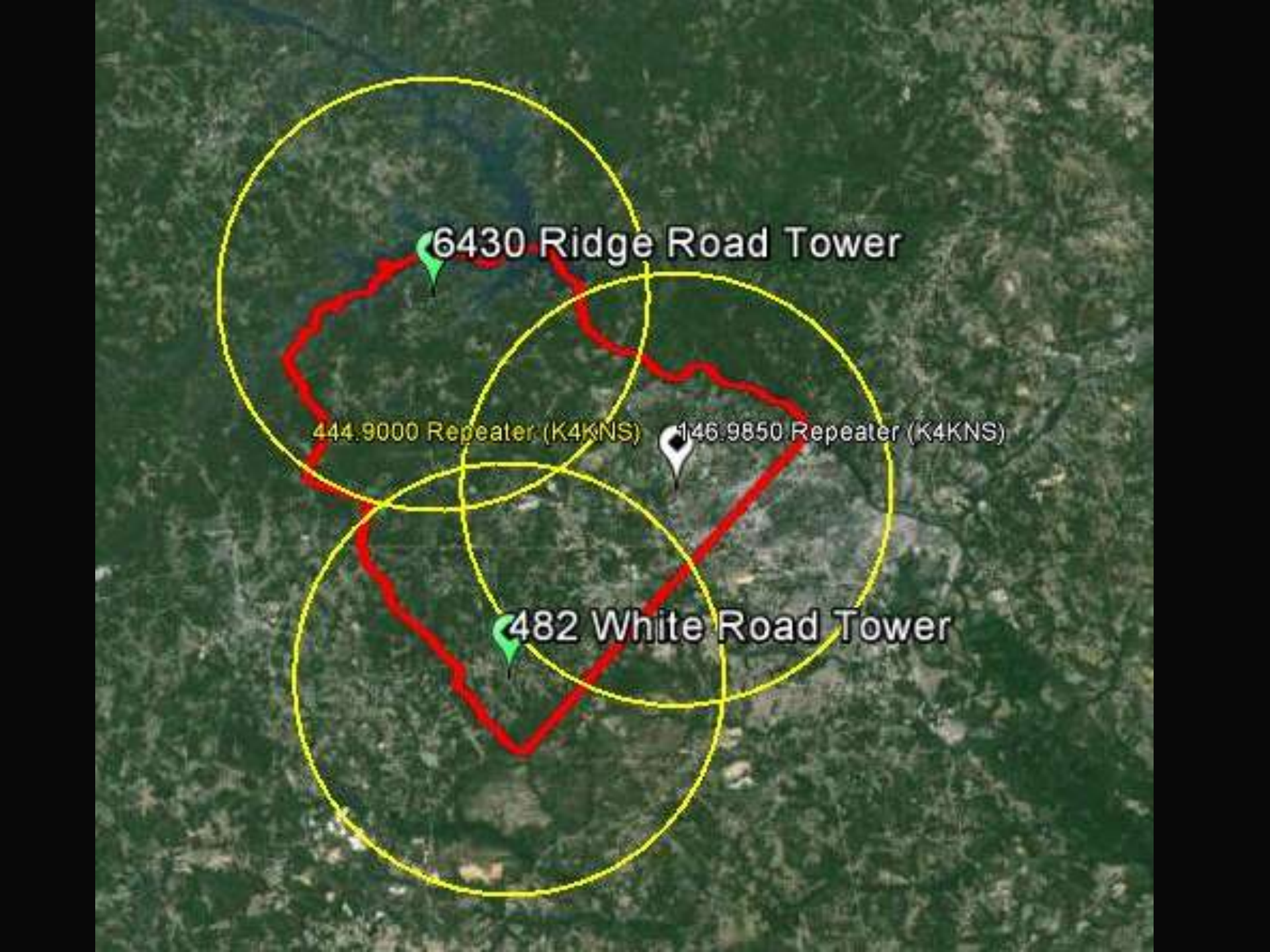
20 Mile Circles (White)





20 Mile Circles (White)





A satellite map showing two radio towers and their coverage areas. Two large yellow circles represent the coverage of the '6430 Ridge Road Tower' (top) and the '482 White Road Tower' (bottom). A red line traces a path through the overlapping area of these circles. A white location pin is placed in the center of the overlap, with two frequency labels: '444.9000 Repeater (K4KNS)' and '146.9850 Repeater (K4KNS)'.

6430 Ridge Road Tower

444.9000 Repeater (K4KNS)

146.9850 Repeater (K4KNS)

482 White Road Tower



# Frequency Pairs Have Been Coordinated through SERA

| Location             | Output  | Input   |
|----------------------|---------|---------|
| Appling – Ridge Road | 145.190 | 144.530 |
| Appling – Ridge Road | 442.900 | 447.900 |
|                      |         |         |
| Harlem – White Road  | 145.130 | 144.530 |
| Harlem – White Road  | 444.175 | 449.175 |

| Location         | Output  | Input   |
|------------------|---------|---------|
| Doctors Hospital | 444.675 | 449.675 |

ON AIR

# ARCCC, Inc. Repeater Initiative

- Discussion



# CTCSS Consideration for All ARCCC, Inc. Repeaters

- Basic Research Performed based on the most recently received Southeastern Repeater Association Journal

# CTCSS Consideration

- 1. Listed the TIA/EIA-603 Standard CTCSS Tones

|    |       |    |       |
|----|-------|----|-------|
| 1  | 67.0  | 22 | 136.5 |
| 2  | 69.3  | 23 | 141.3 |
| 3  | 71.9  | 24 | 146.2 |
| 4  | 74.4  | 25 | 151.4 |
| 5  | 77.0  | 26 | 156.7 |
| 6  | 79.7  | 27 | 162.2 |
| 7  | 82.5  | 28 | 167.9 |
| 8  | 85.4  | 29 | 173.8 |
| 9  | 88.5  | 30 | 179.9 |
| 10 | 91.5  | 31 | 186.2 |
| 11 | 94.8  | 32 | 192.8 |
| 12 | 97.4  | 33 | 203.5 |
| 13 | 100.0 | 34 | 206.5 |
| 14 | 103.5 | 35 | 210.7 |
| 15 | 107.2 | 36 | 218.1 |
| 16 | 110.9 | 37 | 225.7 |
| 17 | 114.8 | 38 | 229.1 |
| 18 | 118.8 | 39 | 233.6 |
| 19 | 123.0 | 40 | 241.8 |
| 20 | 127.3 | 41 | 250.3 |
| 21 | 131.8 | 42 | 254.1 |



# CTCSS Consideration

- 1. Listed the TIA/EIA-603 Standard CTCSS Tones
- 2. Listed the SERA Tone Pools for Georgia and South Carolina and removed them from consideration

|    |       |    |       |
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- 3. Identified all repeaters and their coordinated tones which are the same as all 8 ARCCC, Inc. coordinated repeater frequency pairs in the states of Georgia, South Carolina, North Carolina and Tennessee and removed them from consideration (Goal is to allow all tones to match for ARCCC, Inc. repeaters)

|    |       |    |       |
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| 21       | 131.8       | <b>42</b> | <b>254.1</b> |

# CTCSS Consideration

- Discussion



# Committee Updates

- VE Team Committee
  - Dick Embry (KD4CK) – VEL/Director
  - Shannon Covington (KK4MED) – Asst. Director
  
- At the 09-22-2015 a motion was carried to purchase radios after (soliciting donors) as a promotion for passing an amateur radio exam
  - Baofeng UV-82 = \$30-\$36
  - We also have a radio (UV-5R) which has been donated by American Radio Supply





# Committee Updates

- VE Team Committee
  - Dick Embry (KD4CK) – VEL/Director
  - Shannon Covington (KK4MED) – Asst. Director
  - 11-14-2015 VE Session Congratulations
    - Cindy Cunningham (Extra)
    - Timothy Graziano (Tech)
    - Eric Kjeldergaard (General)
    - Fred McNeely (General)
    - Justin Oursler (Tech)
    - Rory Rezzelle (Tech)
    - David Winkler (Tech)

# Committee Updates

- Website Committee
  - Jim Cunningham (KV4YA) – Director
    - John Crawford (W4QK)
    - Eric Cagle (KK4ZHT)
    - Rusty Welsh (KG4HIR)



# Committee Updates

- Net Management Committee
  - Dick Embry (KD4CK) – Director

# Committee Updates

- Presentation Committee
  - Need a Director



# Committee Updates

- Constitution and Bylaws/501(c)7 Committee
  - Walter Brumbeloe (W4EFS) – Director
  - Rusty Welsh (KG4HIR)
  - Earl Welsh (KG4HIQ)
  - James Richardson (AH6IW)

# Constitution and Bylaws/501(c)7 Committee Update

## ■ 501(c)3 Donations Received

- \$100 - Howard Weeks (K5JCP)
- \$100 – Cliff Manasco (KM4ICV)
- \$100 – Walter Brumbeloe (W4EFS)
- \$100 – Louis Hernandez (K4IIE)
- \$100 – Earl Welsh (KG4HIQ)
- \$100 – Rusty Welsh (KG4HIR)
- \$52.01 – Cameron Cunningham (KM4DBB)
- \$80 – Richard Sturgis (KR4XN)
- \$100 – James Richardson (AH6IW)
- \$100 – Dick Embry (KD4CK)
- \$100 – John Carter (KJ4MC)



# 501(c)3 for ARCCC, Inc.

- Walter Brumbeloe – W4EFS
  - Application on 06-04-2015
  - Incorporated on 06-04-2015
  - Received EIN on 06-11-2015
  - Received 501(c)3 Exempt Letter on 06-23-2015
  - \$1080 total cost
  - \$1032.01 Received or Committed
  - **\$47.99 Still need**

# Committee Updates

- Chaplain/Visitation Committee
  - Doyle Windham (WE4GW) – Director
  - Richard Sturgis (KR4XN)
  - Dick Embry (KD4CK)



# Committee Updates

- Outreach Committee

- Columbia County Fair

- Outreach committee to contact Merchant's Association of Columbia County to inquire about a booth and visit the 2015 fair to see if it will be a good opportunity for amateur radio

- Columbia County Board of Education STEAM

- Science, Technology, Art, Engineering, Mathematics

# Committee Updates

- Field Day Committee
  - Saturday, June 25, 2016 and Sunday, June 26, 2016
  - Need a Director
  - Need a Location



# Committee Updates

- Club Asset/Inventory Committee
  - Earl Welsh (KG4HIR) - Director
  - Howard Weeks (K5JCP)
  - Richard Sturgis (KR4XN)
  - John Crawford (W4QK)

# Committee Updates

- Member Recruitment Committee
  - Need a Director



# Committee Updates

- Fund Raising Committee
  - Earl Welsh (KG4HIQ) – Director
  - Walter Brumbeloe (W4EFS)
  - Rusty Welsh (KG4HIR)

# Meeting Agenda Items

- Anyone wishing to place an item on the ARCCC, Inc. Meeting Agenda should provide their request via email to the ARCCC, Inc. President at least 7 days prior to the upcoming meeting



# ARCCC, Inc. Christmas Dinner

- When – Thursday, December 10, 2015 at 6 PM
- Where – Olive Garden (Location secured by Walter and Earl)
- Please be certain to RSVP by sending an email to [president@arccc.org](mailto:president@arccc.org)

# Photos of the Hobby

- TAKE PHOTOS!!!
- Share them with the ARCCC, Inc. Board so they can be placed on the website and other outreach materials
- Take photos in order so they tell a story
- Cameras – Ensure the date and time are correct



# Any Other Business?

- New Business?
- Meeting Raffle
  - All ARCCC, Inc. members get a free ticket
  - Additional tickets may be purchased for \$1
  - Nonmembers may purchase tickets for \$1 each



**Happy  
Thanksgiving**





# Presentation

- Wireless Telephone System
  - Richard Sturgis (KR4XN)

Thank You!!!