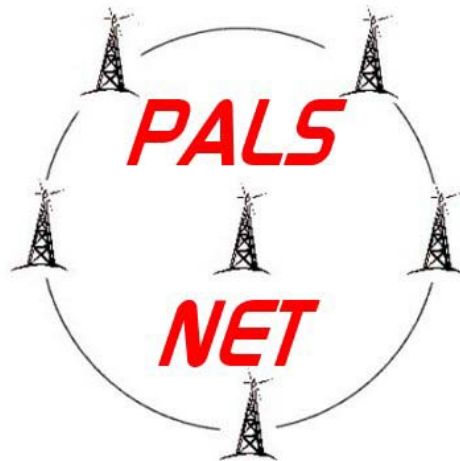
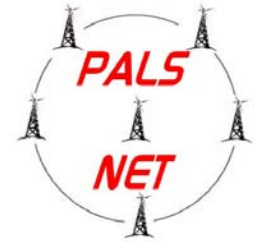


Palmetto Amateur Linked System Network



Press the Space Bar to step through the Presentation

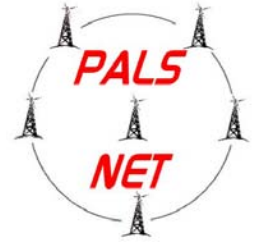


PALSNet Background

- Originally conceived by Jack Pegues, W4APE, of Cheraw(SK), Dr. Jack Wood, KI4CB, of Pawley's Island(SK), and Abb Brown, KG4AQH, of Kingstree.
- Planned as an Emergency Support System after the 1984 F4 tornados in Chesterfield and Marlboro Counties and Hurricane Hugo in 1989.
- PALSNet Association is an ARRL Affiliated Club, with Liability Insurance and has IRS 501(c)(3) status.

PALSNet Repeater Locations

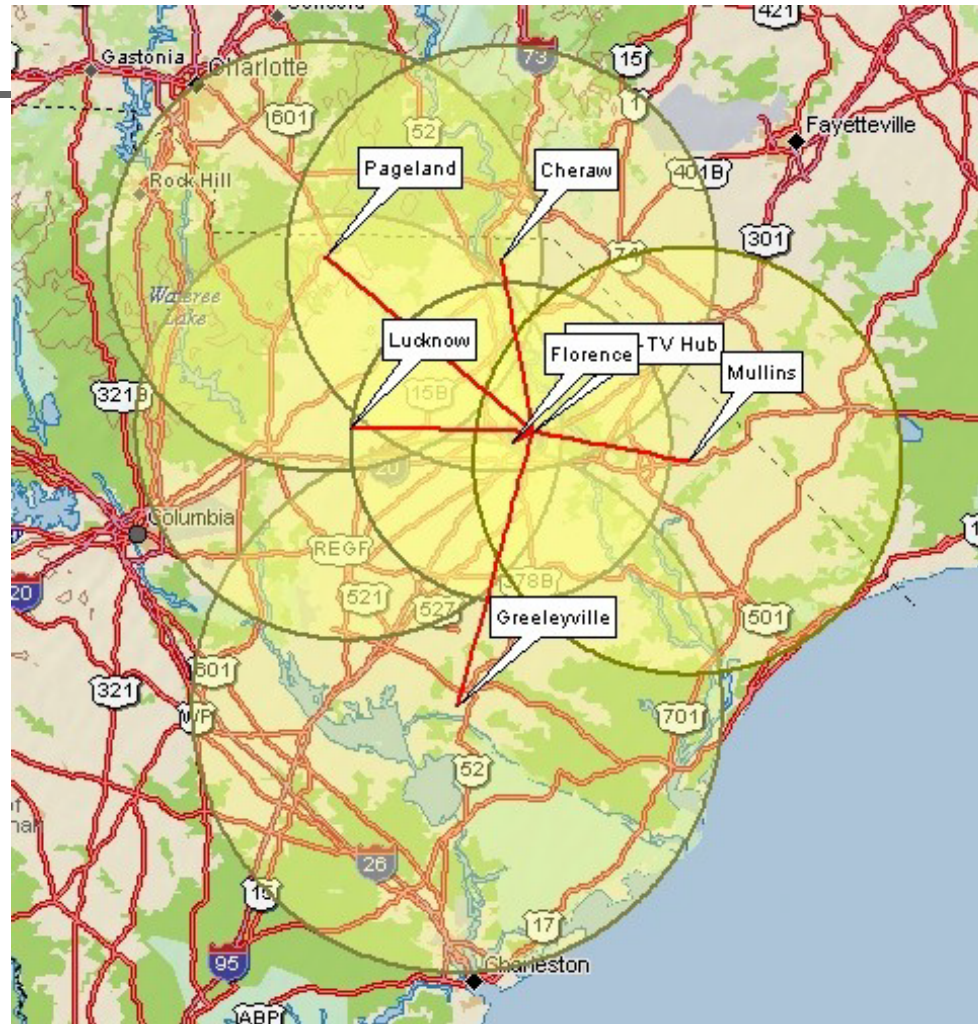
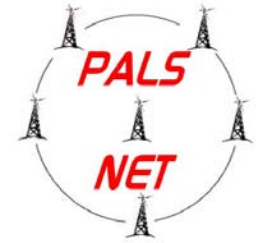
West to East, North to South



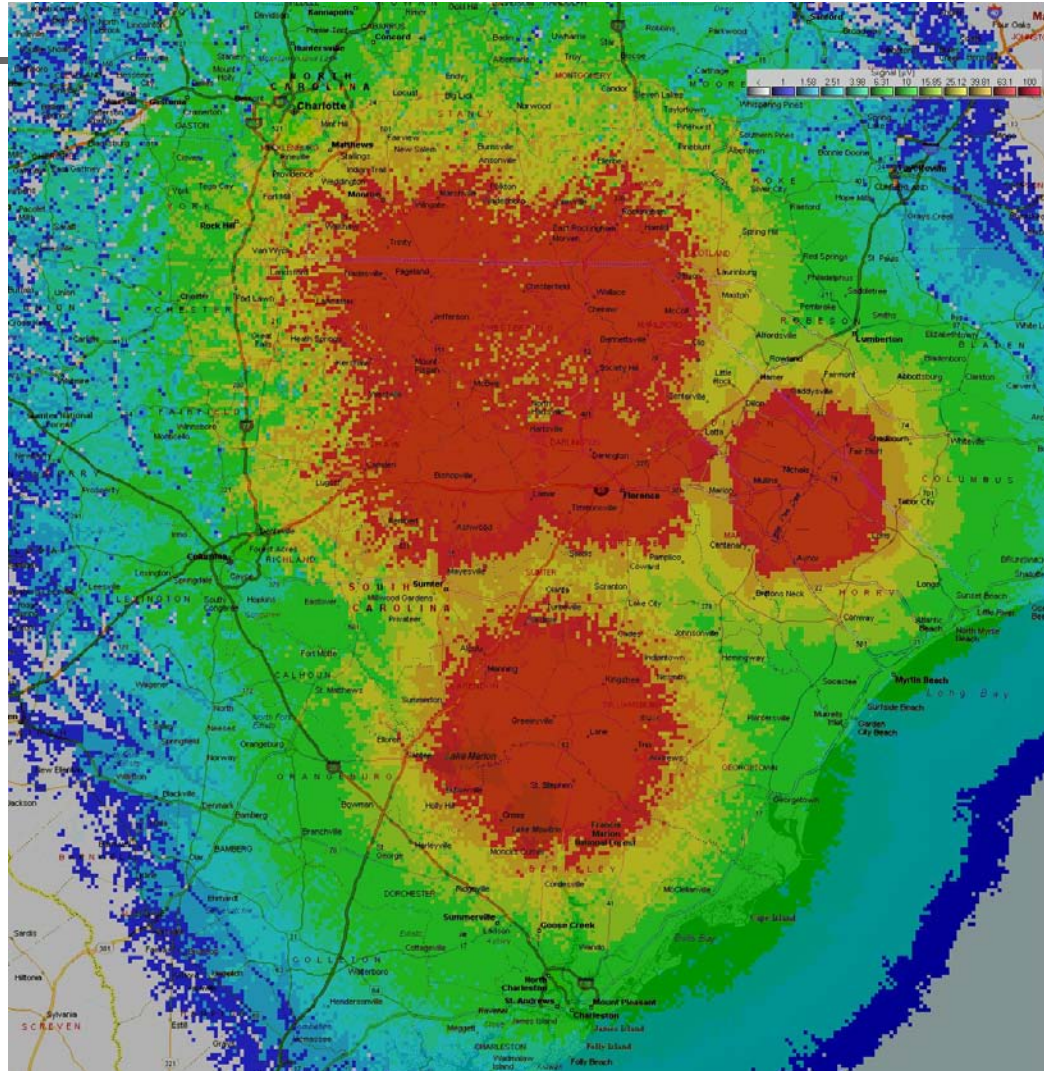
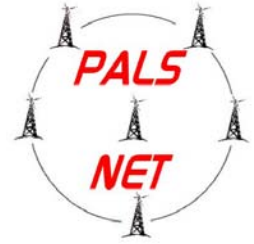
- Pageland 146.895-
- Cheraw (Wallace) 145.490-
- Lucknow (NW of Bishopville) 146.925-
- Florence 147.195+
- Mullins 145.470-
- Greeleyville 145.230-
- 440 Hubs at Florence 442.050+
- Greeleyville 444.750+

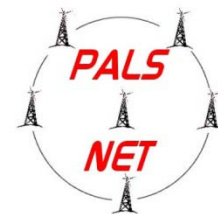
123.0 Hz tone encode required on all repeaters

PALSNet Repeater Mobile Coverage

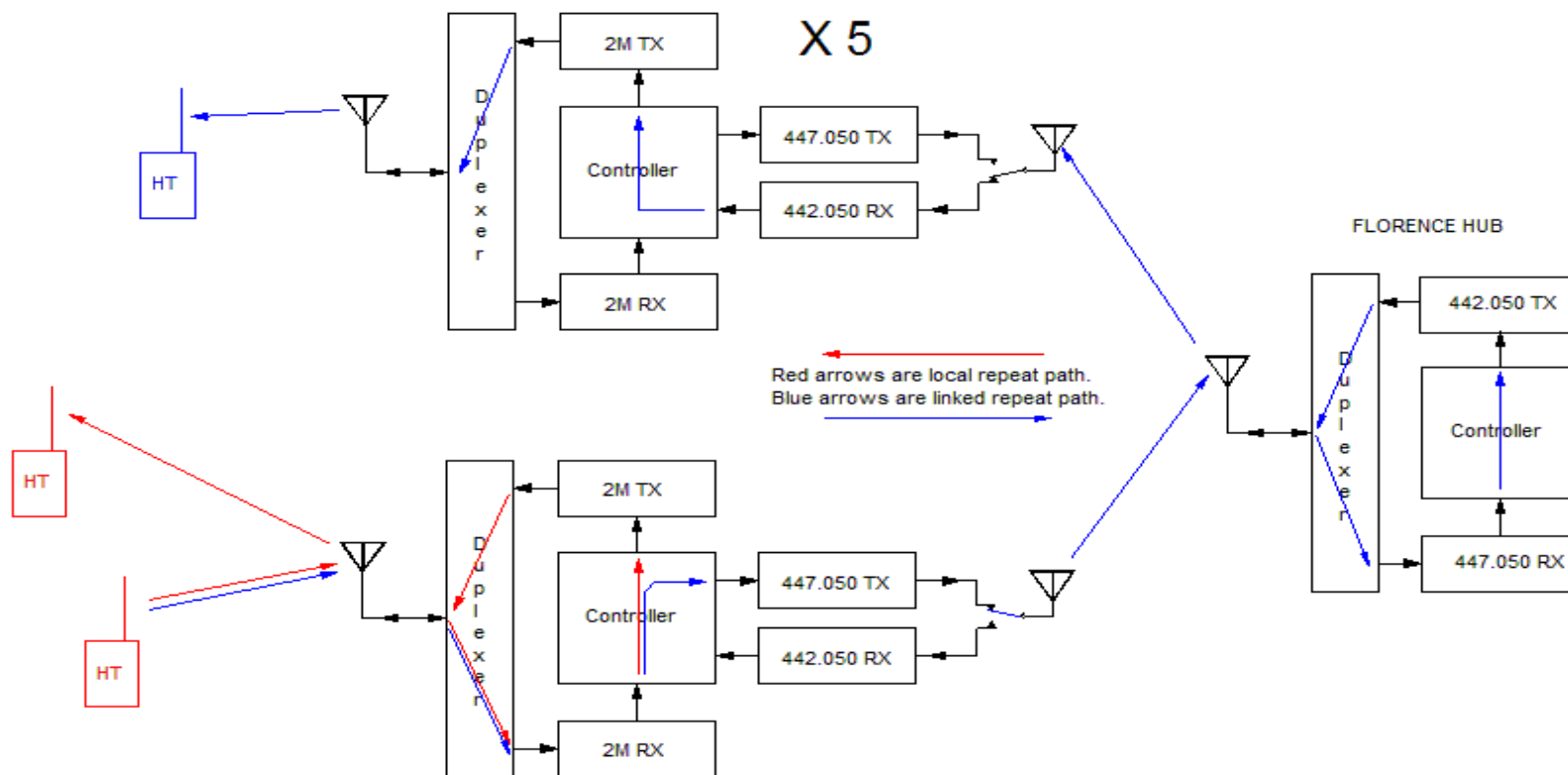


Calculated PALSNet System Coverage



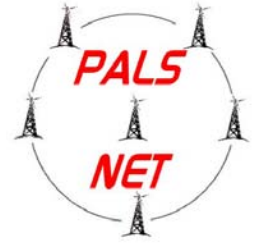


How does the system work?

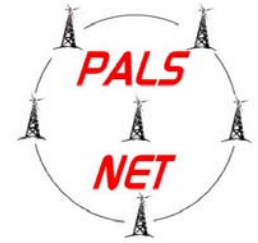




Result



What comes in one repeater is retransmitted on all of the repeaters

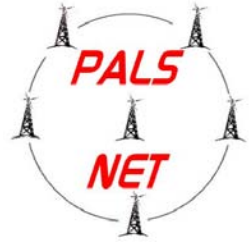


Additional Features

- Each of the repeaters is a GE MASTR II, 100 watt continuous duty commercial repeater, operated at 70 watts
- Each of the repeaters has Emergency Power
- Each of the repeaters can be taken off the system and operated independently if needed
- PL decode can be selectively enabled or disabled on each repeater
- The Florence Hub also has a NWS Weather Warning receiver broadcasting to the entire system

Additional Features

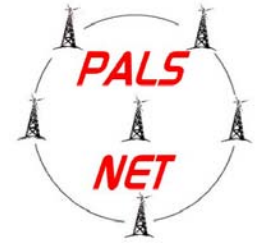
continued



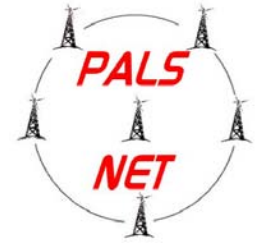
- A Traffic Net is held nightly at 9:30PM Local time
- Periodic Skywarn exercises are held. NCS for the Skywarn event is outside affected area.
- PALSNet provides a backup path between Wilmington, Charleston and Columbia NWS locations

Additional Features

Courtesy tones indicate the status of the system



- One beep indicates your local repeater is off the link
- Two beeps indicate the signal is coming to you over the link
- Three beeps mean the signal is coming to you through the local repeater and is being sent out over the link
- One long beep, instead of three beeps means the local repeater is on standby power



PALSNet not only provides a wide area repeater system for normal Amateur Radio usage, but it also provides a major Emergency resource to the State of South Carolina

Palmetto Amateur Linked System Network

