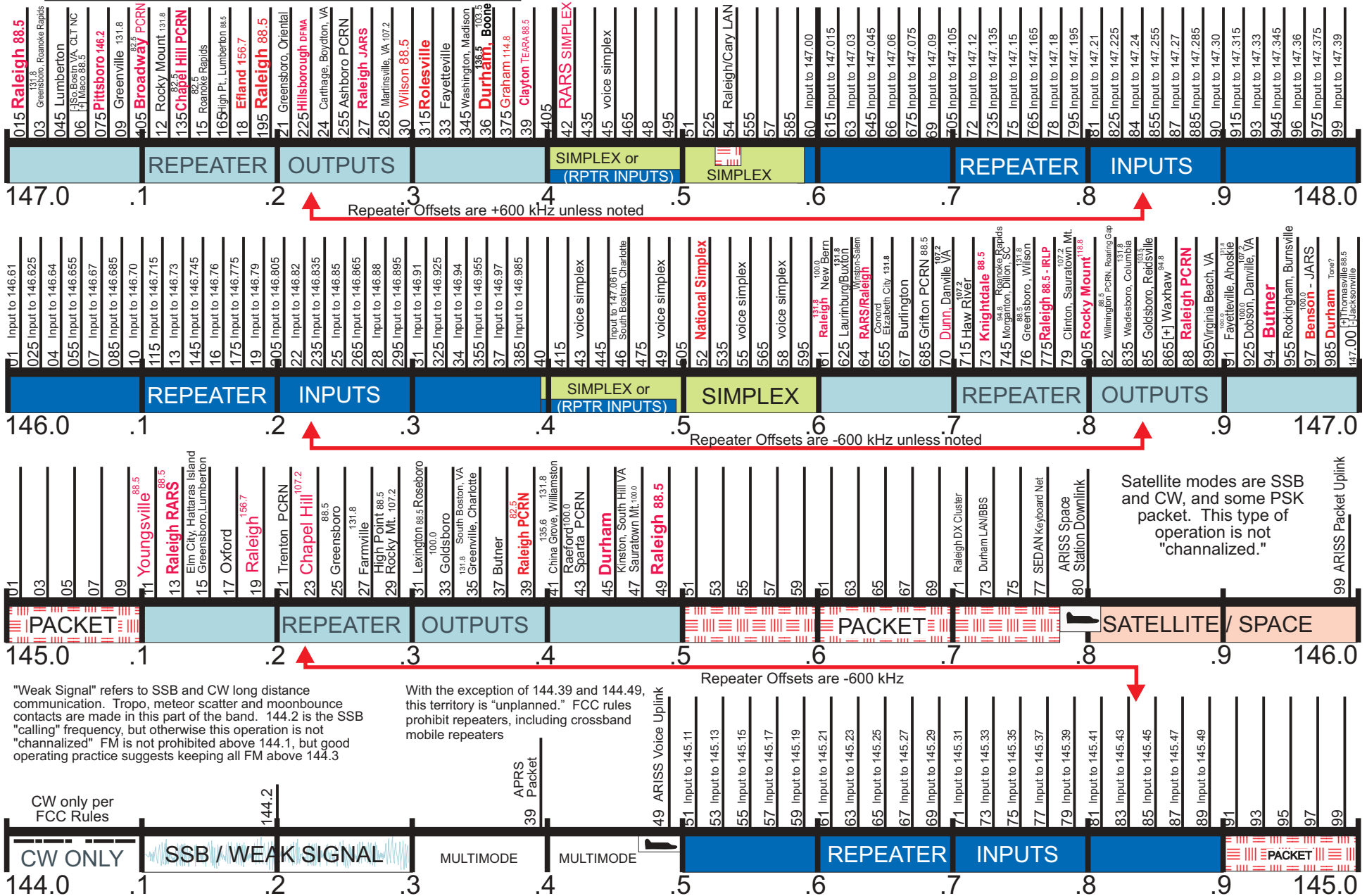


# The Crowded Two-Meter Band

as seen from Raleigh, NC August 2003  
by **KN4AQ**

**WHAT'S ON THIS CHART?** If you scan across the two meter band, you may hear a few conversations on a few repeaters or simplex channels. The rest of the band may seem empty. But, as this chart shows, the band is crowded indeed! Every channel in the SERA and ARRL band plans is shown, with the activity closest to Raleigh indicated for that channel.

Gary KN4AQ kn4aq@arri.net



"Weak Signal" refers to SSB and CW long distance communication. Tropo, meteor scatter and moonbounce contacts are made in this part of the band. 144.2 is the SSB "calling" frequency, but otherwise this operation is not "channalized" FM is not prohibited above 144.1, but good operating practice suggests keeping all FM above 144.3

With the exception of 144.39 and 144.49, this territory is "unplanned." FCC rules prohibit repeaters, including crossband mobile repeaters

# UHF

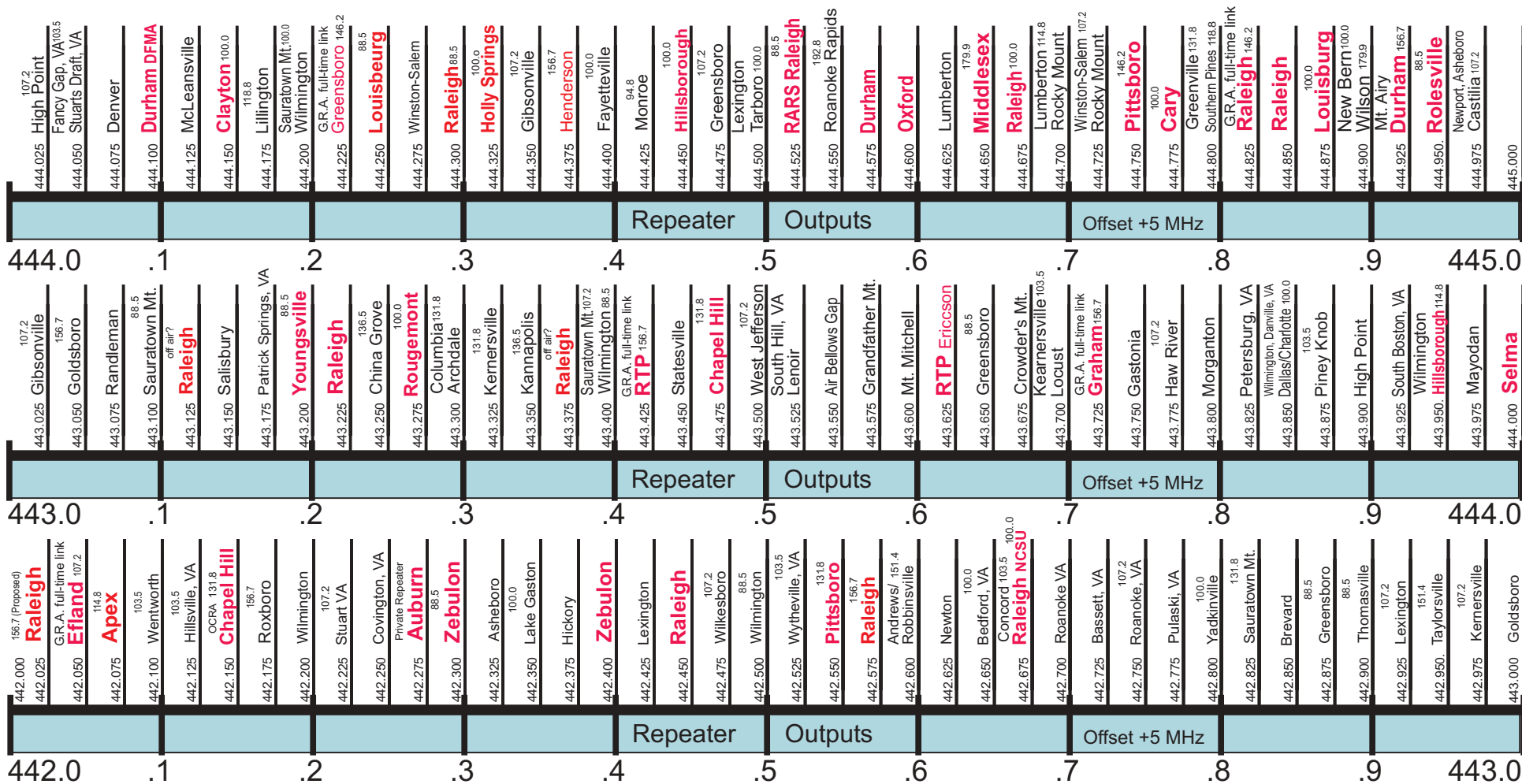
## 442 - 445 MHz

### Repeater Outputs

As seen from **Raleigh, NC**, August 2003  
by **KN4AQ**

**WHAT'S ON THIS CHART?** This three MHz segment of the 440 ham band is used for repeater outputs. The input frequencies are exactly 5 MHz above the outputs (from 447 to 450 MHz) and are not shown on the chart. The repeater jocks will call this **high in, low out**. Channel spacing is 25 kHz. This is a very regular, well organized band segment. The only significant *unusual* feature is that in some parts of the country, repeater inputs and outputs may be *inverted* from this plan, or **low in, high out**. Several Northeastern states and some western states use the low in, high out plan, or a mixture with some repeaters going each direction. Standard repeaters now extend down into the 441 MHz block (see next page)

**Kn4aq@arrl.net**



Some information provided by the SouthEastern Repeater Association, with permission - [www.sera.org](http://www.sera.org)

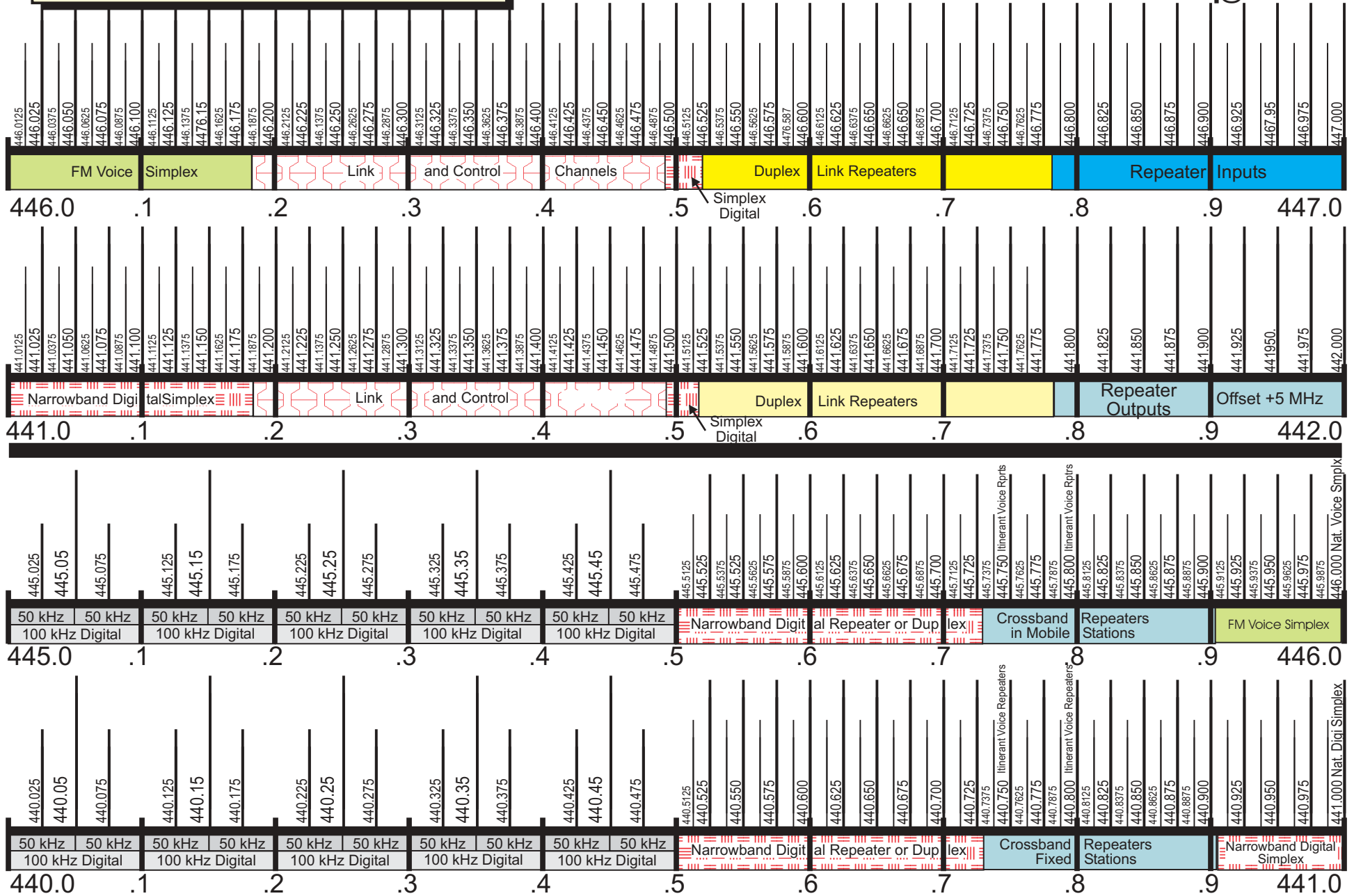
# UHF Bandplan

440-442 MHz  
445-447 MHz

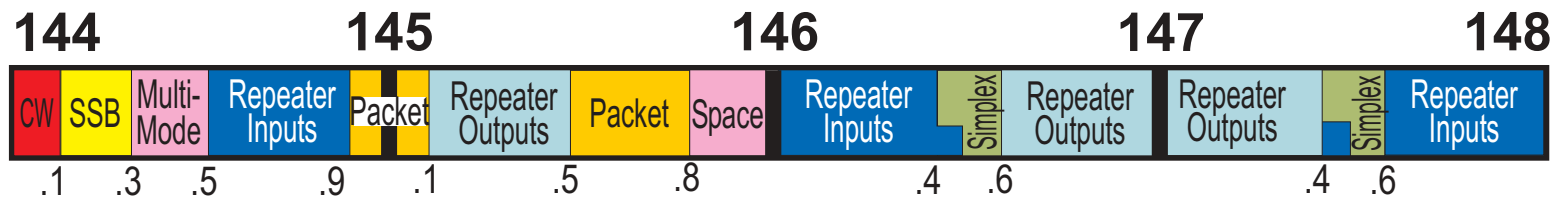
January 2001  
by KN4AQ

This is a "catch-all" part of the band - digital, crossband repeaters, voice simplex, links, and an expanded space for standard repeaters. SERA revised the band plan for this area in 2000. Note the many 12.5 kHz channels - they're unusable with standard narrowband FM radios.

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# SERA 144-148 MHz BAND PLAN



# SERA 420-450 MHz BAND PLAN

