SCRRBA

Southern California Repeater
and Remote Base Association
www.scrrba.org

Southern California 431.000-431.225 MHz Expanded Band Plan and Usage

ALL frequencies in this segment are restricted to Simplex operation. NO Repeater, Duplex (repeater), Crossband, or Auxiliary use 431-433 and 435-438 MHz per FCC Rule 47 CFR § 97.201(b) or § 97.205(b).

Transmitter power limited to 50 watts PEP per FCC Rule 47 CFR § 97.313(f), if not further limited below.

Operations in 431.000 through 431.100 MHz are limited to 100 Watts ERP at 100 Feet HAAT.

431.000 - 431.100 MHz SIMPLEX, NO HOTSPOTS.

431.0000 Wideband (16K0) Analog NO Digital.
431.0125 Narrowband (11K0) Digital or Analog.
431.0250 Narrowband (11K0) Digital or Analog.
431.0375 Narrowband (11K0) Digital or Analog.
431.0500 Tracking and Data Simplex NO Analog or Digital Voice. **
431.0625 Narrowband (11K0) Digital or Analog.
431.0750 Narrowband (11K0) Digital or Analog.
431.0875 Narrowband (11K0) Digital or Analog.
431.1000 Narrowband (11K0) Digital or Analog.

Operations in 431.1125 through 431.200 MHz are limited to 1 watt RF power hotspot and user radio. Antenna gain maximum 4 dBd, antenna height maximum 50 feet AGL. ##

HOTSPOTS GO HERE 431.1125 through 431.200 MHz. ANALOG OR DIGITAL Simplex, No Duplex.

431.1125 Narrowband (11K0) HOTSPOT.
431.1250 Narrowband (11K0) HOTSPOT.
431.1375 Narrowband (11K0) HOTSPOT.
431.1500 Narrowband (11K0) HOTSPOT.
431.1625 Narrowband (11K0) HOTSPOT.
431.1750 Narrowband (11K0) HOTSPOT.
431.1875 Narrowband (11K0) HOTSPOT.
431.2000 Wideband (16K0) HOTSPOT.

The above frequencies are not for use on mountaintop or communication sites.

Duplex (Repeater) Hotspots may be used on the narrowband 430.5 TX 439.5 RX test pair, 440 test pairs Analog 446.86 TX 441.86 RX, Analog 446.88 TX 441.88 RX or Analog 445.0 TX 440.0 RX or the digital only test pair 449.4625 TX 444.4625 RX. See the 420-440 and 440-450 MHz Band Plans.

** Channel intended for tracking and telemetry of flying objects (balloon). Automated voice ID or telemetry is acceptable.

if you live in a high rise, high hotel, or office building, antenna height limited to the building rooftop.

Hotspot operations between 420 and 431.10 MHz and Hotspot operations between 431.225 and 450 MHz are causing significant interference to existing users on those frequencies. This can easily be alleviated by moving your hotspot onto one of the above hotspot channels.

A hotspot is a low power digital or analog radio communication device. This device is made up of a combination of hardware, firmware, and software which lets an amateur radio operator link directly via an internet connection and communicate to a distant digital or analog voice system anywhere in the world.

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