

ARIZONA 70 CM BAND PLAN

440.00000 MHz – 449.97500 MHz

Arizona adopted the ARRL UHF band plan with minor changes and additions. This listing is provided to assist in identifying specific sub-band usage.

Please consult your state ARCA Frequency Coordinator for help finding suitable repeater frequencies.

When considering frequencies for use in conjunction with a proposed repeater, be certain that both the input and output fall within sub-bands authorized for repeater use, and do not extend past the sub-band edges.

FCC regulation 97.205(b) defines frequencies which are currently available for repeater use.

The frequencies 440.00000 thru 449.97500 are for Repeater Inputs and Outputs +/- 5 MHz offset, spaced every 25 KHz except as noted below.

LOCAL OPTION

440.0250 thru 440.2000 (+) inclusive, paired 5 MHz Narrow band *
440.4000 (+) Low-Level/Locally-Shared & Portable (Digital or Digital/Mixed-Mode) ***
440.4250 (+) Low-Level/Locally-Shared & Portable (Digital or Digital/Mixed-Mode) ***
440.4500 (+) Low-Level/Locally-Shared & Portable (Analog Only) ***
440.4750 (+) Low-Level/Locally-Shared & Portable (Analog Only) ***
440.5000 / 445.5000 (+) Test Pair Contact coordinator
440.7375 thru 440.9000 (+) inclusive, paired 5 MHz * Narrow band
440.9250 Narrow Band Simplex
440.9500 thru 440.9750 (+) inclusive, paired 5 MHz * Narrow band
441.0000 Repeater Control **
441.0250 Simplex
441.5000 Repeater Control **
445.0250 thru 445.2000 (-) inclusive, paired 5 MHz Narrow band *
445.5500 / 440.5500 (-) Test Pair Contact Coordinator
445.9250 APRS
445.9500 thru 445.9750 (-) inclusive, paired 5 MHz Narrow band *
446.0000 Simplex
446.0250 Simplex
446.0500 Simplex - Frequently used for Emcomm events & exercises
446.5000 Simplex
446.5250 (-) Low-Level/Locally-Shared & Portable (Analog Only) ***
446.5500 (-) Low-Level/Locally-Shared & Portable (Digital or Digital/Mixed-Mode) ***
446.5750 (-) Low-Level/Locally-Shared & Portable (Digital or Digital/Mixed-Mode) ***
446.6000 (-) Low-Level/Locally-Shared & Portable (Analog Only) ***

We do not coordinate simplex frequencies.

* Analog or digital, narrow band 12.5 kHz bandwidth or less, spaced every 12.5 KHz (Refer Narrow Band Allocation chart below)

** Shared frequencies for intermittent control of repeater or remote base.

*** Low-Level/Locally-Shared & Portable Frequencies Guidelines

- 1) These pairs are intended for shared, local and portable operations. Some overlap is expected. Repeater owners agree to accept co-channel occupation and act to prevent inadvertent access by co-channel users.
- 2) Use of some type of PL or input protection is mandatory on these pairs. Owners are responsible for "PL" or access coordination and need to advise the coordinator of their choice.
- 3) Owners agree not to operate on these pairs in "beacon" mode, interfere to other frequencies, internet or otherwise monopolize the "channel"
- 4) Transmitter power is limited to a max of 15 watts on these pairs with an antenna not to exceed 50ft AGL and AAT.
- 5) Portable operations must insure they do not locate as to cause interference to other stations.
- 6) For these pairs, Analog only operations grandfathered on Digital/Mixed-Mode pairs may request recoordination onto an Analog only pair to minimize interference to/from Digital operations.
- 7) As of 03/20/2018, Digital/Mixed-Mode and analog-only operations will be coordinated to their respective Low-Level/Locally-Shared pairs. New coordinations will be per the above guidelines.

Narrow Band Allocation

Group 1		Group 2	
Tx	Rx	Tx	Rx
440.02500	445.02500	440.73750	445.73750
440.03750	445.03750	440.75000	445.75000
440.05000	445.05000	440.76250	445.76250
440.06250	445.06250	440.77500	445.77500
440.07500	445.07500	440.78750	445.78750
440.08750	445.08750	440.80000	445.80000
440.10000	445.10000	440.81250	445.81250
440.11250	445.11250	440.82500	445.82500
440.12500	445.12500	440.83750	445.83750
440.13750	445.13750	440.85000	445.85000
440.15000	445.15000	440.86250	445.86250
440.16250	445.16250	440.87500	445.87500
440.17500	445.17500	440.88750	445.88750
440.18750	445.18750	440.90000	445.90000
440.20000	445.20000	440.95000	445.95000
		440.96250	445.96250
		440.97500	445.97500