

ARIZONA 70 CM BAND PLAN

440.000 Mhz - 449.975 Mhz

LOCAL OPTION

440.000 Thru 449.975 Repeater Inputs and Outputs +/- 5 Mhz offset
Spaced every 25 Khz except as noted below

440.400 Thru 440.475 (+) inclusive, paired	# Backyard/Portable/VOIP
440.500 / 445.500 Test Pair (445.500 input)	Contact coordinator
440.725 Thru 440.900 (+) inclusive, paired	* Narrow band
440.925 -	*** Packet
440.950 Thru 440.975 (+) inclusive, paired	* Narrow band
441.000 -	** Repeater Control Links
441.025 -	Simplex
441.500 -	** Repeater Control Links
445.550 / 440.550 Test Pair (440.550 input)	Contact coordinator
445.725 Thru 445.900 (-) inclusive, paired	* Narrow band
445.925 -	***APRS / Packet
445.950 Thru 445.975 (-) inclusive, paired	* Narrow band
446.000 -	Simplex
446.025 -	Simplex
446.050 -	Simplex
446.500 -	Simplex
446.525 Thru 446.600 (-) inclusive, paired	# Backyard/Portable/VOIP

Test pairs are just that. For testing only. You do not need permission to use test pairs. Just notify the coordinator for his records

- * Analog or digital, 12.5 khz bandwidth or less (see attached sheet approved 7-7-07)
- ** Shared frequencies for intermittent control of repeater or remote base.
- *** Contact Packet coordinator

We do not coordinate simplex or repeater control links.

NARROW BAND ALLOCATION

RX	TX		
445.71875	440.71875	0.00625	Guard
445.71250	440.71250	0.01250	Guard
445.72500	440.72500	BOTTOM FREQUENCY	
445.73750	440.73750	0.01250	
445.75000	440.75000	0.01250	
445.76250	440.76250	0.01250	
445.77500	440.77500	0.01250	
445.78750	440.78750	0.01250	
445.80000	440.80000	0.01250	
445.81250	440.81250	0.01250	
445.82500	440.82500	0.01250	
440.83750	445.83750	0.01250	
440.85000	445.85000	0.01250	
440.86250	445.86250	0.01250	
440.87500	445.87500	0.01250	
440.88750	445.88750	0.01250	
440.90000	445.90000	0.01250	
440.90625	445.90625	0.00625	
440.91250	445.91250	0.01250	Guard
440.91875	445.91875	0.00625	Guard
*440.92500	445.92500	0.01250	APRS
440.93125	445.93125	0.00625	Guard
440.93750	445.93750	0.01250	Guard
440.94375	445.94375	0.01250	
440.95000	445.95000	0.01250	
440.96250	445.96250	0.01250	
440.97500	445.97500	TOP FREQUENCY	
440.98750	445.98750	0.01250	Guard
440.99375	445.99375	0.00625	Guard

* D-Star Simplex

Arizona Repeater Owners Policy on Backyard Repeaters Updated to Include Portable Operation

The coordinators have received a number of requests from clubs for "portable" coordinations to support public service and disaster communications. By definition, a coordination is to a fixed location, so coordination of a portable repeater is not possible. There are already several repeaters operating on the "backyard" pairs that get used away from their coordinated locations (portable). These additions to the existing description of "Backyard" operations will clarify such portable operation and provide a way for the operators to "coordinate" those operations to minimize interference.

Additions to the original 1985 policy are highlighted

The pairs 440.400 – 440.475 (+) and 446.525 – 446.6 (-) have been designated as "Backyard" pairs by the repeater owners in Arizona. Portable operation was added in 2002. These pairs are intended for shared, local and portable operations. Some overlap is expected. Use of PL is mandatory. Operators agree to accept co-channel occupation and act to prevent inadvertent access by co-channel users. They are responsible for "PL" tone frequency coordination, but need to advise the coordinator of their choice. They agree not to operate in "beacon" mode, or interfere to other amateur frequencies that might monopolize the "channel". ERP is limited to a max of 100w with an antenna not to exceed 100 ft AGL and AAT, except that portable operation is limited to 10w transmitter power out. Repeaters must be on the air at their coordinated location when not deployed for portable use. To minimize conflicts and interference, the repeater owner must check the "Portable Ops" page at <http://www.azfreqcoord.org> before scheduling portable operations, and notify the coordinator as far in advance as possible so his/her operations can be added to the schedule. The schedule will include the date/time of portable operation, contact numbers and Email addresses so the owners can communicate any problems or concerns with each other.