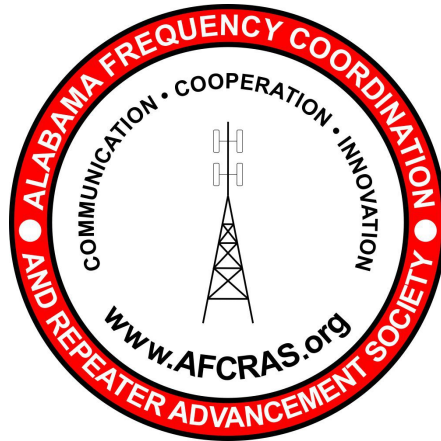


Alabama Frequency Coordination & Repeater Advancement Society



Frequency Utilization Plan: 902-928 MHz Spectrum

*Revision 20180206a
Approved and Adopted February 13, 2018*

902 - 928 Spectrum Utilization General Overview

902.0000 - 902.2875 SSTV, FAX, ACSSB, Experimental
902.2125 - 902.4625 Auxiliary FM Duplex Link Input Frequency Pairs
902.4875 - 902.7250 FM Repeater Inputs & designated simplex (25 MHz split - 12.5 KHz spacing)
902.5000 - FM Simplex Calling Channel (1 of 2)
902.7375 - 903.0500 EME Exclusive
903.0700 - 903.0800 CW Beacons
903.1000 - CW, SSB Calling Frequency
903.4000 - 903.6000 Cross Band Linear Translator Inputs
903.6000 - 903.8000 Cross Band Linear Translator Outputs
903.8000 - 904.0000 Experimental Beacons Exclusive
904.0000 - 906.0000 Digital Communications
906.0000 - 907.0000 Narrow Band FM Simplex (grandfathered system - 25 KHz channels)
906.5000 - Old National Calling Frequency (grandfathered)
907.0000 - 910.0000 FM Repeater Inputs (12 MHz split - 100 KHz spacing)
910.0000 - 916.0000 ATV
916.0000 - 918.0000 Digital Communications
918.0000 - 919.0000 Narrow Band FM Control Links/Remote Bases
919.0000 - 922.0000 FM Repeater Outputs (12 MHz split - 100 KHz spacing)
927.0125 - 927.9875 Auxiliary Simplex & Link Frequencies
927.2125 - 927.4625 Auxiliary FM Duplex Link Input Frequency Pairs
927.4875 - 927.7250 FM Repeater Outputs & designated simplex (25 MHz split - 12.5 KHz spacing)
927.5000 - FM Simplex Calling Channel (2 of 2)
927.7375 - 927.7875 Old SERA FM Voice Simplex Channels (grandfathered)
922.0000 - 928.0000 Wideband Experimental, ATV, Simplex, Spread Spectrum

FM Repeater Pairs

12.5 KHz spacing between channels, 25 MHz in/out split

902.4875 - 927.4875 Itinerant repeater allocation

Regular FM Repeater Pairs - assign in order (see CPG regarding adjacent state coordination)

1st pair - 902.5125 - 927.5125
2nd pair - 902.5250 - 927.5250
3rd pair - 902.5375 - 927.5375
4th pair - 902.5500 - 927.5500
5th pair - 902.5625 - 927.5625
6th pair - 902.5750 - 927.5750
7th pair - 902.5875 - 927.5875
8th pair - 902.6000 - 927.6000
9th pair - 902.6125 - 927.6125
10th pair - 902.6250 - 927.6250
11th pair - 902.6375 - 927.6375
12th pair - 902.6500 - 927.6500
13th pair - 902.6625 - 927.6625
14th pair - 902.6750 - 927.6750
15th pair - 902.6875 - 927.6875
16th pair - 902.7000 - 927.7000
17th pair - 902.7125 - 927.7125
18th pair - 902.7250 - 927.7250

Special Group #2 for Regular Fm Repeaters - assign in order (see CPG regarding adjacent state coordination)

These additional pairs will normally be assigned only when it has been determined that the pairs between 927.5125 and 927.7250 (shown above) are unusable due to local Part 15 device interference.

902.0125 Rx 927.0125 Tx
902.0250 Rx 927.0250 Tx
902.0375 Rx 927.0375 Tx
902.0500 Rx 927.0500 Tx
902.0625 Rx 927.0625 Tx
902.0750 Rx 927.0750 Tx

FM Repeater Pairs

100 KHz spacing between channels, 12 MHz in/out split

907.100 - 919.100 Itinerant repeater allocation

907.200 - 919.200 Itinerant repeater allocation

Regular FM Repeater Service - assign in order (see CPG regarding adjacent state coordination)

- 1st pair - 907.300 - 919.300
- 2nd pair - 907.400 - 919.400
- 3rd pair - 907.500 - 919.500
- 4th pair - 907.600 - 919.600
- 5th pair - 907.700 - 919.700
- 6th pair - 907.800 - 919.800
- 7th pair - 907.900 - 919.900
- 8th pair - 908.000 - 920.000
- 9th pair - 908.100 - 920.100
- 10th pair - 908.200 - 920.200
- 11th pair - 908.300 - 920.300
- 12th pair - 908.400 - 920.400
- 13th pair - 908.500 - 920.500
- 14th pair - 908.600 - 920.600
- 15th pair - 908.700 - 920.700
- 16th pair - 908.800 - 920.800
- 17th pair - 908.900 - 920.900
- 18th pair - 909.000 - 921.000
- 19th pair - 909.100 - 921.100
- 20th pair - 909.200 - 921.200
- 21st pair - 909.300 - 921.300
- 22nd pair - 909.400 - 921.400
- 23rd pair - 909.500 - 921.500
- 24th pair - 909.600 - 921.600
- 25th pair - 909.700 - 921.700
- 26th pair - 909.800 - 921.800
- 27th pair - 909.900 - 921.900

Auxiliary Simplex Link Frequencies

Vertical or Horizontal Antenna Polarization is Required

12.5 KHz spacing between channels

vertical	927.0125
horizontal	927.0250
vertical	927.0375
horizontal	927.0500
vertical	927.0625
horizontal	927.0750
vertical	927.0875
horizontal	927.1000
vertical	927.1125
horizontal	927.1250
vertical	927.1375
horizontal	927.1500
vertical	927.1625
horizontal	927.1750
vertical	927.1875
horizontal	927.2000
vertical	927.8000
horizontal	927.8125
vertical	927.8250
horizontal	927.8375
vertical	927.8500
horizontal	927.8625
vertical	927.8750
horizontal	927.8875
vertical	927.9000
horizontal	927.9125
vertical	927.9250
horizontal	927.9375
vertical	927.9500
horizontal	927.9625
vertical	927.9750
horizontal	927.9875

Auxiliary Duplex Link Frequency Pairs

Vertical or Horizontal Antenna Polarization is Required

12.5 KHz spacing between channels, 25 MHz in/out splits

vertical	902.2125 - 927.2125
horizontal	902.2250 - 927.2250
vertical	902.2375 - 927.2375
vertical	902.2500 - 927.2500
horizontal	902.2625 - 927.2625
vertical	902.2750 - 927.2750
vertical	902.2875 - 927.2875
horizontal	902.3000 - 927.3000
vertical	902.3125 - 927.3125
vertical	902.3250 - 927.3250
horizontal	902.3375 - 927.3375
vertical	902.3500 - 927.3500
vertical	902.3625 - 927.3625
horizontal	902.3750 - 927.3750
vertical	902.3875 - 927.3875
vertical	902.4000 - 927.4000
horizontal	902.4125 - 927.4125
vertical	902.4250 - 927.4250
vertical	902.4375 - 927.4375
horizontal	902.4500 - 927.4500
vertical	902.4625 - 927.4625
vertical	902.4750 - 927.4750

FM Voice Simplex Channels

902.5000
927.5000

Digital Packet Simplex Channels

904.000 - 906.000 MHz channel every 25 KHz

916.000 - 918.000 MHz channel every 25 KHz