

## SERA FREQUENCY UTILIZATION PLAN for 902-928 MHz

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

### 20 FM Repeater Pairs

#### 12.5 KHz spacing between channels, 25 MHz Duplex in/out

902.4875 - 927.4875 Itinerant repeater allocation

Reserved for itinerant and short term use during a special event or emergency with no formal coordination required. Trustees/Owners are encouraged to notify their local coordinator to inform them of system parameters and expected duration of use.

#### Regular FM Repeater Service – assignable in order

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

## Additional Regular FM Repeater Service – assignable in order

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

## 29 FM Repeater Pairs

### 100 KHz spacing between channels, 12 MHz Duplex in/out

907.100 - 919.100 Itinerant repeater allocation  
907.200 - 919.200 Itinerant repeater allocation

Reserved for itinerant and short term use during a special event or emergency with no formal coordination required. Trustees/Owners are encouraged to notify their local coordinator to inform them of system parameters and expected duration of use.

## Regular FM Repeater Service – assignable in order

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

## 32 Auxiliary Simplex Link Frequencies

Specific Vertical or Horizontal Antenna Polarization **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

## 22 Auxiliary Duplex Link Frequency Pairs

Specific Vertical or Horizontal Antenna Polarization ***Required***

12.5 KHz spacing between channels with 25 MHz Duplex in/out

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

906.5000    (old national – retained under grandfather clause)

927.7500    (old SERA – retained under grandfather clause)

## Digital Packet Simplex Channels

904.000 to 906.000 MHz - channel every 25 KHz

916.000 to 918.000 MHz - channel every 25 KHz

Previous edition as adopted by the SERA Board of Directors on 02/10/02

Official Amended Copy as adopted by the SERA Board of Directors on 08/16/03

Official Amended Copy as adopted by the SERA Board of Directors on 06/19/10

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