

CSMA 144-148 MHz Frequency Utilization Plan

144.000-144.050	EME CW
144.050-144.100	General CW Operation
144.100	CW National Calling Frequency
144.100-144.200	EME & Weak Signal SSB
144.200-144.300	General SSB Operation
144.200	SSB National Calling Frequency
144.275-144.300	Propagation beacons
144.300-144.500	Multi Mode Operations
144.39/144.990	APRS Nationwide (Mode 1200 Baud FM Packet)
144.510-144.890	FM & D-Star Repeater Inputs
144.910-145.090	FM Digital/Packet Simplex Modes
145.110-145.490	FM & D-Star Repeater Outputs
145.510-145.800	FM Digital/Packet & Simplex Modes (Auxiliary)
145.800-146.000	Satellite Sub Band
146.010-146.385	Repeater Inputs
146.400-146.585	FM Simplex
146.520	FM National Calling Frequency
146.610-147.390	FM Repeater Outputs
147.405-147.585	FM Simplex
147.600-147.990	Repeater Inputs

Repeater Sub-band 144.500-145.50 MHz

20 Repeater Pairs 20 KHz Spacing

Output	Input
145.110	144.510
145.130	144.530
145.150	144.550
145.170	144.570
145.190	144.590
145.210	144.610
145.230	144.630
145.250	144.650
145.270	144.670
145.290	144.690
145.310	144.710
145.330	144.730
145.350	144.750
145.370	144.770
145.390	144.790
145.410	144.810
145.430	144.830
145.450	144.850
145.470	144.870
145.490	144.890

**D-Star & Narrow Band Digital Voice Pairs
18 Repeater Pairs**

Output	Input
145.140	144.540
145.160	144.560
145.180	144.580
145.200	144.600
145.220	144.620
145.240	144.640
145.260	144.660
145.280	144.680
145.300	144.700
145.320	144.720
145.340	144.740
145.360	144.760
145.380	144.780
145.400	144.800
145.420	144.820
145.440	144.840
145.460	144.860
145.480	144.880

**Repeater Sub-band 146-148 MHz
53 Pairs 15 KHz Spacing**

Output	Input
146.610	146.010
146.625	146.025
146.640	146.040
146.655	146.055
146.670	146.070
146.685	146.085
146.700	146.100
146.715	146.115
146.730	146.130
146.745	146.145
146.760	146.160
146.775	146.175
146.790	146.190
146.805	146.205
146.820	146.220
146.835	146.235
146.850	146.250
146.865	146.265
146.880	146.280
146.895	146.295
146.910	146.310

146.925	146.325
146.940	146.340
146.955	146.355
146.970	146.370
146.985	146.385
147.000	147.600
147.015	147.615
147.030	147.630
147.045	147.645
147.060	147.660
147.075	147.675
147.090	147.690
147.105	147.705
147.120	147.720
147.135	147.735
147.150	147.750
147.165	147.765
147.180	147.780
147.195	147.795
147.210	147.810
147.225	147.825
147.240	147.840
147.255	147.855
147.270	147.870
147.285	147.885
147.300	147.900
147.315	147.915
147.330	147.930
147.345	147.945
147.360	147.960
147.375	147.975
147.390	147.990