

Appendix C

Maine Emergency Simplex Frequencies and Primary Repeater Frequencies

The Maine ARES Simplex Frequencies were first implemented after the Ice Storm of 1998 in response to many hams who stated they wanted to help, but did not know where various ARES groups in the state were operating during the Ice Storm. Because of many repeaters being down, many ARES groups were forced to operate simplex. Many were operating on the output frequency of their local repeater, some were operating on 146.520 and others were operating on other simplex frequencies. There was no standard set of simplex frequencies in Maine for ARES operations. Due to the lack of coordinated frequencies, many ARES groups found that they were interfering with ARES groups in nearby counties on the same frequency. Many ARES groups that were operating on 146.520 found that they had lost much of their frequency diversity (a very strong point for amateur radio emergency communications).

Over the years, the list has evolved from a single set of simplex frequencies (one for each county) to a set of three simplex frequencies available to each county of the state for their use that would have the minimum interference to nearby counties. Counties now have the advantage of being able to publish the frequencies that they would operate on during disaster operations and inform those hams that are not ARES members where ARES operations would take place.

The current simplex assignment list has two frequencies that are about 1 MHz apart from each other (Primary and Secondary) and a third (Tertiary) frequency that is fairly near either the Primary or Secondary allocations. It is recommended the Tertiary frequency be used for tactical operations some distance from operators using the Primary or Secondary net frequencies and at a lower power level to avoid interference with either the Primary or Secondary frequencies.

Maine Emergency Simplex Frequency Assignments

Primary Repeater Frequencies

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County	Primary Simplex	Secondary Simplex	Tertiary Simplex	Primary Repeater
Androscoggin	146.460 14	7.540	146.430	146.610
Aroostook	146.475 14	7.510	146.505	146.730
Cumberland	146.415 14	7.525	146.535	147.090 (100.0)
Franklin	146.535 14	7.570	146.580	147.180 (123.0)
Hancock	146.565 14	7.495	146.535	146.910 (151.4)
Kennebec	147.480 14	6.475	147.450	145.390 (100.0)
Knox	147.540 14	6.475	147.450	
Lincoln	147.510 14	6.505	147.450	146.985(100.0)
Oxford	146.550 14	7.435	146.505	146.880 (100.0)
Penobscot	147.565 14	6.550	147.555	145.450 (67.0)
Piscataquis	146.400 14	7.450	146.565	147.210 (71.9)
Sagadahoc	146.490 14	7.555	146.565	147.210 (100.0)
Somerset	147.420 14	6.430	147.525	146.730 (91.5)
Waldo	146.430 14	7.465	146.460	147.270 (136.5)
Washington	147.525 14	6.460	147.570	147.330 (118.8)
York	147.570 14	6.445	147.540	145.210 (156.7)
Statewide Coordination	146.520			KQ1L System

Primary Repeater = Output Frequency of Primary Repeater plus CTCSS tone

Additional Frequencies:

3940 kHz Statewide (night) 52.525 MHz Statewide 6 M Coordination

7262 kHz Statewide (day) 223.500 MHz Statewide 1 ¼ M. Coordination

446.000 MHz Statewide 70 CM Coordination