



MANITOBA ARES - HF OPERATIONAL FREQUENCIES

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The proposed channels outlined below attempts to direct most critical emergency traffic away from busiest portions of the band(s). This mostly affects the 80 meter portion of the spectrum in which most of our local communications will likely occur.

Also due to these lower operating frequencies, existing antenna infrastructure may require modifications to operate at the lower frequencies on the 80 meter band, and the addition of an antenna tuner to the equipment list should be listed as “required” as opposed to “recommended”. Due to minimal digital equipment availability, the digital modes are currently mostly utilized for Federal traffic.

HF Frequencies

a) Primary 80 meters Phone

Proposed frequency: 3.655 MHz LSB Primary
3.665 MHz LSB Secondary
3.760 MHz LSB (US/Canada)

b) Secondary 40 meters phone

Proposed frequency: 7.070 MHz LSB Primary
7.140 MHz LSB Secondary

c) Alternative or Special Purpose Frequencies

30 meters 10.1545 MHz LSB, APRS only
10.1320 MHz Digital modes
20 meters 14.0645 MHz PSC Pactor III link*
14.135 MHz USB Phone
14.165 MHz USB Phone

Radio Amateurs of Canada provides the following schedule for Emergency Calling Frequencies that can be utilized during emergencies as a primary for each band. It would be recommended that we attempt to keep these channels clear during an extended operation such as a spring flooding event or similar, and utilize them for federal and extra provincial calling frequencies:

Mode, band, frequency & tactical call

Band	SSB	CW	Digital
80 M	3.675 MHz LSB Alfa	3.535 MHz Golf	3.596 MHz Mike
40 M	7.135 MHz LSB Bravo	7.035 MHz Hotel	7.096 MHz November
20 M	14.135 MHz USB Charlie	14.035 MHz India	14.096 MHz Oscar
17 M	18.135 MHz USB Delta	18.075 MHz Juliet	18.096 MHz Papa
15 M	21.235 MHz USB Echo	21.035 MHz Kilo	21.096 MHz Quebec
10 M	28.235 MHz USB Foxtrot	28.035 MHz Lima	28.096 MHz Romeo