

University of Massachusetts Boston
New FM Broadcast Facility Proposal for Milford, New Hampshire

Exhibit 21 for Section VII

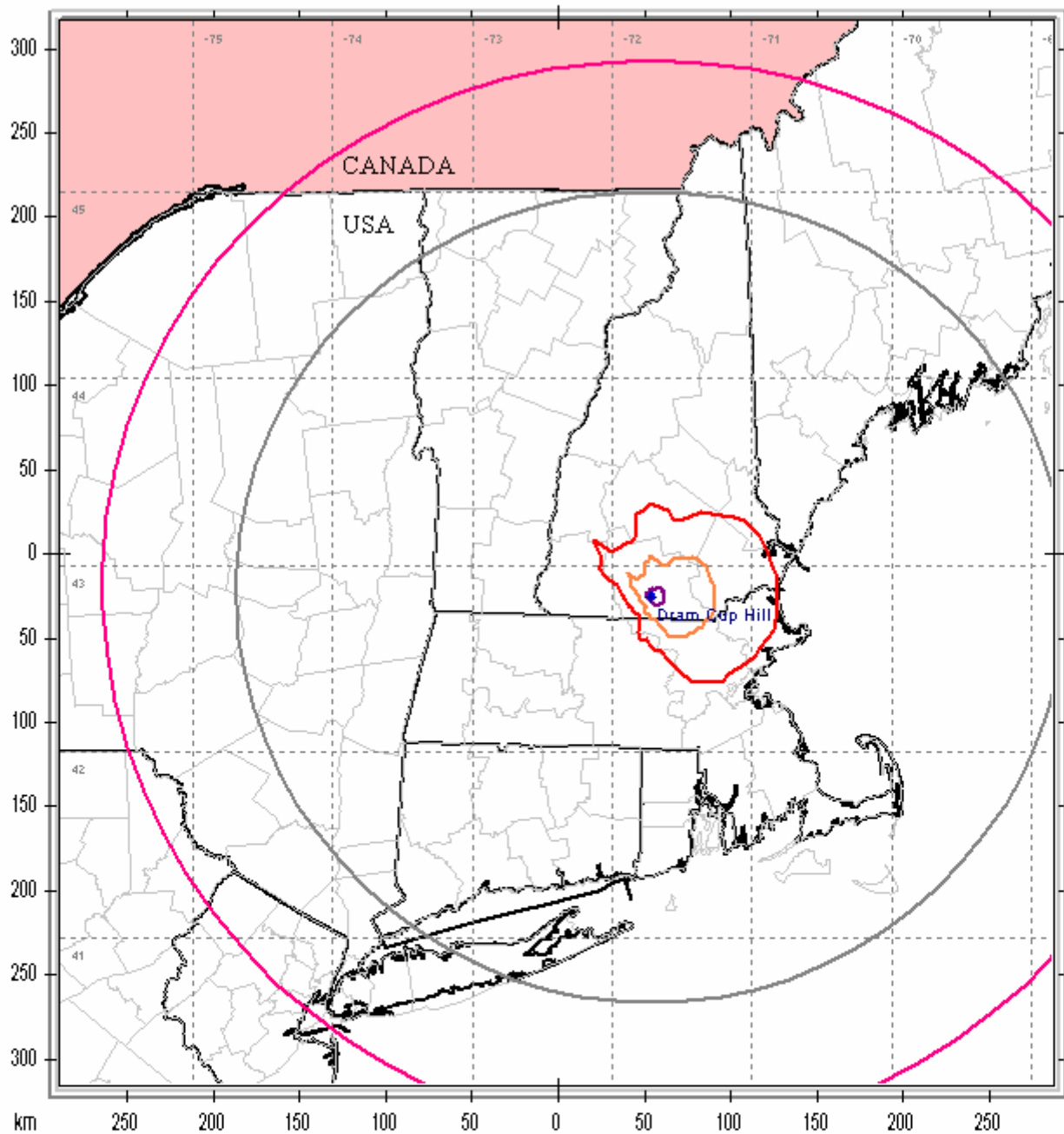
International Borders / Protection of Canadian/Mexican Stations

The proposed Dram Cup Hill facility is within 320km of the US/Canada border, and thus within the range where US facilities must protect Canadian/Mexican facilities.

However, there are no relevant Canadian facilities to this application:

- Pursuant to 73.207 (b)(2), the “worst-case scenario” of a Class A protecting a Class C station requires 242km of distance; the Dram Cup Hill facility is 243km from the border and thus, by default, meets the minimum distance separation.
- The nearest Dram Cup Hill facility’s interfering contour is no less than 189km from the border; well distant from any possible protected contours of Canadian stations.

Dram Cup Hill Facility 88.7 / Ch.204 - International Borders



Interfering Contours: Red=34dBu, Orange=48dBu, Purple=74dBu, Blue=94dBu

Protections: Red = Co-channel, Orange = First Adjacent, Purple = Second Adjacent, Blue = Third Adjacent
 Facility is 243km from US/Canada border

County Borders State Borders Lat/Lon Grid

Map Scale: 1:4000000 1 cm = 40.00 km V/H Size: 632.74 x 575.83 km

Pink = 320km Radius / Grey = 242km Radius