

2.12 Zones

For co-channel allotment purposes and optimum use of channels, both Canadian and the United States of America border areas are divided into two zones as described in Annex II.

2.13 Protected Contour

The protected contour is the Grade B contour, i.e. 47 dBu (dB above 1 $\mu\text{V}/\text{m}$) for channels 2-6, 56 dBu for channels 7-13 and 64 dBu for channels 14-69, but not exceeding distances as specified in Section 3.1.

2.14 Low Power Television Broadcasting Stations

Low power television broadcasting stations are secondary assignments which operate with a transmitter peak envelope power not exceeding 50 watts VHF and 500 watts UHF in Canada, and 100 watts VHF and 1,000 watts UHF in the United States. These stations operate on a non-interference non-protected basis with respect to existing or future primary assignments; however, they are assigned on a protected basis with respect to each other according to their date of notification. Refer to Section 5.4.

3. BASIC PRINCIPLES

3.1 Calculation of Protected Contour

3.1.1 For channels 2-6, 7-13 and 14-69, the distances to the protected contours shall be based on maximum allowable parameters and are calculated using the F(50,50) propagation curves in Figures 1, 3 and 5 of Annex V respectively, but shall not be considered to extend beyond 89 km for channels 2-6, 82 km for channels 7-13, or 70 km for channels 14-69. However, these limitations shall not apply when calculating interference from secondary assignments.

3.1.2 When the field strength corresponding to the protected contour extends beyond the boundary of the country in which the station is located, protection shall terminate at the border. That portion of the boundary lying within the protected contour shall be considered as the location of the said contour for purposes of protection.

3.1.3 For protection purposes, the boundary of a country shall be deemed to encompass only its land area including islands.

3.2 Co-channel Protection

3.2.1 VHF and UHF co-channel protection criteria are specified in Table I of Annex IV.