

2.5 Limited Allotment

A limited allotment is one on which a station for any reason is required to operate with less than the standard parameters.

2.6 Effective Height Above Average Terrain (EHAAT)

Effective height above average terrain is the height of the centre of radiation of the antenna above average elevation of the terrain between 3 and 16 km from the antenna for 8 radials spaced evenly each 45 degrees of azimuth starting with true north.

2.7 Effective Radiated Power (ERP)

Effective radiated power is the product of the antenna input power and the power gain of the antenna relative to a half-wave dipole.

2.8 Standard Parameters

Standard parameters are an EHAAT of 300 metres and a maximum ERP, in any horizontal or vertical direction, of 100 kW for Channels 2-6, 325 kW in Canada and 316 kW in the United States¹ for Channels 7-13, and 1,000 kW for Channels 14-69.

2.9 Maximum Parameters

For limited allotments, the maximum parameters are the maximum values of EHAAT and ERP determined from the distance between allotments and assignments in accordance with protection requirements of Section 3. For unlimited allotments, the maximum ERP for channels 2-13 shall not exceed the values in Section 2.8 and for channels 14-69 shall not exceed 5000 kW.

2.10 Operating Parameters

Operating parameters are the EHAAT and ERP actually used.

2.11 Directional Antennas

Directional antennas are those which are designed or altered to produce a non-circular radiation pattern in the horizontal plane.

1. The reason for this power difference is that, in the United States, the maximum power is specified as 25 dBk (dBk is decibels above 1 kW), which equals 316 kW, while in Canada the maximum power is specified as 325 kW, which equals 25.1 dBk.