

Mexican Compliance

The “Agreement Between The Government of the United States of America and the Government of the United Mexican States” of 1992, Annex 1, Section 2, defines the current regulation concerning translators located within 320 km of the Mexican border.

This section reads as follows:

2.1 Low Power FM Stations (LPFM)

2.1.1 LPFM stations may operate on any channel from 201 to 300 and they must protect the allotments and assignments of the other Administration based on their maximum permitted parameters in accordance with the Table of Allotment's and Assignments.

2.1.2 An LPFM station is permitted to operate with ERP that shall not exceed 50 watts in the direction of the other country and to produce an interfering contour not to exceed 32 km in the direction of the other country.

2.1.3 The maximum distance to the protected contour (60 dBu) all of an LPFM station shall be 8.7 km in the direction of the other country.

2.1.4 LPFM stations located within 125 km of the common border must be notified in accordance with the notification procedures in Article 8.

2.1.5 An LPFM station located in excess of 125 km from the common border may operate with an ERP in excess of 50 watts in the direction of the other country, provided the protected contour produced is not greater than, starting from 125 km from the common border, 8.7 km in the direction of the other country. Before the station can commence operation it must comply with a notification procedures contained in Article 8 and the provisions of 2.1.1, 2.1.6, and 2.1.7 of this section.

2.1.6 Should any interference be caused by an LPFM station, the offending station must immediately correct the interference or cease operation.

2.1.7 The use of a channel by an LPFM station shall not prejudice in any manner the future allotment of such channel by the other Administration.

The proposed translator is 141.4 km from the Mexican border, so it falls only under the provisions of the Agreement, Section 2.1.5 (LPFM stations in excess of 125 km from the common border). The maximum distance to f(50,50) 60 dbu Contour is 12.85 km. At any point the f(50,50) 60 dBu contour is greater than 125 km from the Mexican border. The 60 dBu contour does not extend past the 125 km mark from the Mexican border. Section 2.1.5 is dealt with in the Attached Channel Study showing the proper distances to the Mexican Allotments.

The direction to Mexico from the proposed transmitter site is from 120 degrees to 210 degrees (easily verified using a map and protractor).

Notwithstanding the above, the application does not radiate more than 50 watts Effective Radiated Power in the direction of Mexico.

Therefore this proposal completely satisfies the requirements of the Agreement.

Exhibit H - Mexican Treaty Compliance for New,
33-49-49.0 N. Latitude 116-57-11.0 W. Longitude
ERP 7 Watts - 106.5000 MHz - Center of Radiation = 1156 meters AMSL

Bearing Deg True	ERP Watts	HAAT (meters)	DH (meters)	f(50,50) 60 dBu Distance (km)
120	7.00	364	1000	8.66
125	7.00	426	870	9.34
130	7.00	491	980	9.88
135	7.00	527	950	10.26
140	7.00	555	710	10.65
145	7.00	566	710	10.96
150	7.00	590	980	11.40
155	7.00	601	730	11.68
160	7.00	593	500	11.79
165	7.00	579	350	11.73
170	7.00	586	360	11.87
175	7.00	611	420	12.14
180	7.00	633	480	12.37
185	7.00	662	450	12.69
190	7.00	673	310	12.85
195	7.00	668	240	12.77
200	7.00	664	300	12.70
205	7.00	679	230	12.80
210	7.00	688	200	12.86