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FEDERAL COMMUNICATIONS COMMISSION
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MEMORANDUM OF UNDERSTANDING BETWEEN THE
FEDERAL COMMUNICATIONS COMMISSION OF THE
GOVERNMENT OF THE UNITED STATES OF AMERICA
AND THE SECRETARIA DE COMUNICACIONES Y TRANSPORTES
OF THE UNITED MEXICAN STATES CONCERNING
CONDITIONS OF USE OF THE 890-894 MHZ BAND
FOR PUBLIC RADIOCOMMUNICATIONS SERVICES USING CELLULAR SYSTEMS
ALONG THE COMMON BORDER

The Federal Communications Commission of the United States of America and the Secretaria de Comunicaciones y Transportes of the United Mexican States, for the purposes of this Memorandum hereinafter called the Administrations, considering the provisions of Article 31 of the International Telecommunication Convention Nairobi, 1982, have agreed to adopt this Memorandum of Understanding in order to establish conditions of use of the 890-894 MHz frequency band for public radiocommunications services using cellular systems along the common border;

ARTICLE I. Purposes

The purposes of this Memorandum are:

1. To establish and adopt a common plan for use of the frequencies within a 72-kilometer zone on each side of the common border.
2. To establish coordination procedures.
3. To establish basic technical parameters.

ARTICLE II. Conditions of Use

1. Frequencies

1.1. The frequencies established for public radio-communications services employing cellular systems appear in the Table annexed to this Memorandum.

2. Coordination of frequencies for cellular systems.

2.1. Through the application of the coordination mechanisms of both Administrations, each country may use all the frequencies of the 890-894 MHz band appearing in the annexed Table.

2.2. The above-mentioned frequency bands shall be shared equally within a 72-kilometer zone on each side of the common border. Each country shall take the necessary measures to ensure the equitable access of the other country to the above-mentioned frequencies.

2.3. Both Administrations agree to ensure that for establishing a cellular system within a 72-kilometer zone on each side of the common border, the necessary coordination will be carried out to eliminate the possibility of harmful interference.

2.4. Beyond the 72-kilometer zone on each side of the common border, each country may use the 890-894 MHz bands for public radiocommunications services using cellular systems without coordination.

2.5. Each Administration shall provide the other, as soon as possible, technical information on the systems authorized within its zone of 72 kilometers from the common border.

2.6. In the event that harmful interference occurs between two or more systems within the 72-kilometer zone on each side of the common border, the Administrations shall require their respective licensees to make the necessary changes to eliminate such interference.

ARTICLE III. Technical Parameters

The cellular systems in a 72-kilometer zone on each side of the common border shall be subject, in their operation, to the following technical parameters:

a. The maximum effective radiated power for:

I. Base stations: 100 watts

II. Mobile stations: 7 watts

III. Auxiliary test stations: 7 watts.

b. The maximum height of the base station transmitting antenna above average terrain from 3 to 16 km (2 to 10 miles) shall be 152 m (500 feet). Greater heights may be used provided that the effective radiated power is reduced in accordance with Figure 1 of the 1988 agreement between the Government of the United States of America and the Government of the United Mexican States concerning conditions for utilization of the 824-825 and 870-890 MHz bands for public radiocommunications services using cellular systems along the common United States-Mexico border.

c. The service area contour for each base station shall be determined by a field strength of 39 dBu. The calculation of the field strength shall be made by using the curves in Figure 2 of the above mentioned 1988 agreement.

d. The protected contour of a base station within the territory of the country where the station is located: 39 dBu.

e. The maximum field strength on the common border of a base station: 39 dBu. In exceptional cases, the 39 dBu field strength contour may extend beyond the common border into the territory of the other country, as long as there is prior agreement between both Administrations.

f. The desired signal-to-interference protection ratio at 39 dBu contour: 30 dB.

g. Frequency separation between channels: 30 kHz.

h. Emission designators: 40 KOF9X or 40 KOF3E.

i. Maximum frequency deviation: \pm 12 kHz.

ARTICLE IV. Entry into Force and Duration

This Memorandum of Understanding shall enter into force ten months following the date of signature and may be amended by mutual agreement of the Administrations.

ARTICLE V. Termination of the Memorandum

This Memorandum of Understanding may be terminated by Mutual agreement of the Administrations; by its replacement by another bilateral instrument; or by a written notice of termination from the other Administration. Such notice of termination shall enter into effect six months after it is received.

Done in the city of Queretaro, Mexico, this eleventh day of the month of August of the year nineteen hundred and ninety two, in duplicate, in the English and Spanish languages, both texts being equally authentic.

FOR THE FEDERAL COMMUNICATIONS
COMMISSION OF THE UNITED STATES
OF AMERICA

FOR THE SECRETARIA DE
COMUNICACIONES Y TRANSPORTES
OF THE UNITED MEXICAN STATES

TABLE

Frequency Plan

Band from 890 to 894 MHz

FREQUENCIES (MHz)		FREQUENCIES (MHz)	
<u>MOBILE</u>	<u>BASE</u>	<u>MOBILE</u>	<u>BASE</u>
	890.010		891.000
	890.040		891.030
	890.070		891.060
	890.100		891.090
	890.130		891.120
	890.160		891.150
	890.190		891.180
	890.220		891.210
	890.250		891.240
	890.280		891.270
	890.310		891.300
	890.340		891.330
	890.370		891.360
	890.400		891.390
	890.430		891.420
	890.460		891.450
	890.490		891.480
	890.520		891.510
	890.550		891.540
	890.580		891.570
	890.610		891.600
	890.640		891.630
	890.670		891.660
	890.700		891.690
	890.730		891.720
	890.760		891.750
	890.790		891.780
	890.820		891.810
	890.850		891.840
	890.880		891.870
	890.910		891.900
	890.940		891.930
	890.970		891.960

Band from 890 to 894 MHz

FREQUENCIES (MHz)		FREQUENCIES (MHz)	
<u>MOBILE</u>	<u>BASE</u>	<u>MOBILE</u>	<u>BASE</u>
	891.990		892.980
	892.020		893.010
	892.050		893.040
	892.080		893.070
	892.110		893.100
	892.140		893.130
	892.170		893.160
	892.200		893.190
	892.230		893.220
	892.260		893.250
	892.290		893.280
	892.320		893.310
	892.350		893.340
	892.380		893.370
	892.410		893.400
	892.440		893.430
	892.470		893.460
	892.500		893.490
	892.530		893.520
	892.560		893.550
	892.590		893.580
	892.620		893.610
	892.650		893.640
	892.680		893.670
	892.710		893.700
	892.740		893.730
	892.770		893.760
	892.800		893.790
	892.830		893.820
	892.860		893.850
	892.890		893.880
	892.920		893.910
	892.950		893.940
			893.970