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PROTOCOL
CONCERNING THE ALLOCATION AND USE OF THE
CHANNELS IN THE 220-222 MHZ BAND FOR LAND MOBILE SERVICES
ALONG THE COMMON BORDER

This Protocol is being concluded pursuant to the Agreement Between the Government of the United States of America and the Government of the United Mexican States Concerning the Allocation and Use of Frequency Bands by Terrestrial Non-Broadcasting Radiocommunication Services Along the Common Border signed June 16, 1994, herein referred to as the Agreement.

ARTICLE I. Purposes

The purposes of this Protocol are:

1. To establish and adopt a common plan for the use of the 220-222 MHz frequency band within a distance of 120 km. on each side of the common border (Sharing Zone) and to achieve an equitable distribution of the available channels.

2. To establish technical criteria to regulate the use of the channels.

3. To establish conditions of use so that each Administration may use the channels allotted to the other country, provided this causes no interference.

ARTICLE II. Definition

For the purpose of this Protocol and as provided for in Article IV of the Agreement, the term Administration(s) shall

refer to the Federal Communications Commission and the National Telecommunications and Information Administration of the United States of America and the Secretaria de Comunicaciones y Transportes of the United Mexican States.

ARTICLE III. Conditions of Use

1. In the agreed Sharing Zone, the Administrations shall use the frequency plan in the Table of Allotment appearing as the Appendix to this Protocol, which shall form an integral part of this Protocol.
2. Within the Sharing Zone, the frequencies in the 220-222 MHz band shall be shared by the Administrations in accordance with the Appendix to this Protocol.
3. The following channels shall be available for the Administrations on an unprotected basis and operated with a maximum effective radiated power (ERP) of 2 watts and a maximum antenna height of 6.1 meters above ground.

<u>Channel</u>	<u>Base</u>	<u>Mobile</u>
195	220.9725 MHz	221.9725 MHz
196	220.9775 MHz	221.9775 MHz
197	220.9825 MHz	221.9825 MHz
198	220.9875 MHz	221.9875 MHz
199	220.9925 MHz	221.9925 MHz
200	220.9975 MHz	221.9975 MHz

4. The assignments which an Administration makes of its own primary use frequencies within the Sharing Zone shall be authorized subject to the effective radiated power (ERP) and antenna height limits specified in the following table:

<u>Antenna Height Above Mean Sea Level</u>	<u>ERP</u>
<u>Meters</u>	<u>Watts</u> <u>(Maximum)</u>
Up to 150	500
Above 150 to 225	250
Above 225 to 300	125
Above 300 to 450	60
Above 450 to 600	30
Above 600 to 750	20
Above 750 to 900	15
Above 900 to 1,050	10
Above 1,050	5

The maximum effective radiated power allowable for portable/mobile units shall be 50 watts.

5. Each Administration that authorizes the development of major wide area systems in the 220-222 MHz band shall provide the Administration(s) of the other country information about these systems to promote mutual compatibility and benefits.

6. Frequencies allotted for the primary use of one Administration may be assigned by the Administration(s) of the other country within the Sharing Zone in accordance with the following conditions:

a. The maximum power flux density (pfd) at any point at or beyond the border shall not exceed -86 dBW/m^2 .

b. Administrations shall take proper measures to eliminate any harmful interference caused by their licensees.

c. Each Administration shall grant protection to stations that have primary use of the authorized frequency.

d. Stations operating under this provision shall be considered as secondary and shall not be granted protection against harmful interference from stations that have primary use of the authorized frequency.

ARTICLE IV. Exchange of Data

In May of each year, the Federal Communications Commission of the United States of America and the Secretaria de Comunicaciones y Transportes of the United Mexican States shall exchange summary lists of all of their country's assignments in the 220-222 MHz band within Sharing Zone.

ARTICLE V. Entry Into Force and Termination

This Protocol shall enter into force on the same date as the Agreement. It shall remain in force until it is replaced by a new Protocol, or until it is terminated in accordance with Article VII of the Agreement.

IN WITNESS WHEREOF, the respective representatives have signed the present Protocol.

Done at Williamsburg, Virginia, this sixteenth day of June, 1994, in duplicate, in the English and Spanish languages, both texts being equally authentic.

FOR THE GOVERNMENT OF THE
UNITED STATES OF AMERICA:

George B. Metten

[Signature]
Larry butig

FOR THE GOVERNMENT OF THE
UNITED MEXICAN STATES:

[Signature]

APPENDIX

TABLE OF ALLOTMENT

220 - 222 MHz Band

<u>Channel</u>	<u>Base Frequency</u> (MHz)	<u>Mobile Frequency</u> (MHz)	<u>Country</u>
1	220.0025	221.0025	Mexico
2	.0075	.0075	"
3	.0125	.0125	"
4	.0175	.0175	"
5	.0225	.0225	"
6	.0275	.0275	"
7	.0325	.0325	"
8	.0375	.0375	"
9	.0425	.0425	"
10	.0475	.0475	"
11	.0525	.0525	"
12	.0575	.0575	"
13	.0625	.0625	"
14	.0675	.0675	"
15	.0725	.0725	"
16	220.0775	221.0775	United States
17	.0825	.0825	"
18	.0875	.0875	"
19	.0925	.0925	"
20	.0975	.0975	"
21	.1025	.1025	"
22	.1075	.1075	"
23	.1125	.1125	"
24	.1175	.1175	"
25	.1225	.1225	"
26	.1275	.1275	"
27	.1325	.1325	"
28	.1375	.1375	"
29	.1425	.1425	"
30	.1475	.1475	"
31	220.1525	221.1525	Mexico
32	.1575	.1575	"
33	.1625	.1625	"
34	.1675	.1675	"
35	.1725	.1725	"

<u>Channel</u>	<u>Base Frequency</u>	<u>Mobile Frequency</u>	<u>Country</u>
36	220.1775	221.1775	Mexico
37	.1825	.1825	"
38	.1875	.1875	"
39	.1925	.1925	"
40	.1975	.1975	"
41	.2025	.2025	"
42	.2075	.2075	"
43	.2125	.2125	"
44	.2175	.2175	"
45	.2225	.2225	"
46	220.2275	221.2275	United States
47	.2325	.2325	"
48	.2375	.2375	"
49	.2425	.2425	"
50	.2475	.2475	"
51	.2525	.2525	"
52	.2575	.2575	"
53	.2625	.2625	"
54	.2675	.2675	"
55	.2725	.2725	"
56	.2775	.2775	"
57	.2825	.2825	"
58	.2875	.2875	"
59	.2925	.2925	"
60	.2975	.2975	"
61	220.3025	221.3025	Mexico
62	.3075	.3075	"
63	.3125	.3125	"
64	.3175	.3175	"
65	.3225	.3225	"
66	.3275	.3275	"
67	.3325	.3325	"
68	.3375	.3375	"
69	.3425	.3425	"
70	.3475	.3475	"
71	.3525	.3525	"
72	.3575	.3575	"
73	.3625	.3625	"
74	.3675	.3675	"
75	.3725	.3725	"
76	220.3775	221.3775	United States
77	.3825	.3825	"
78	.3875	.3875	"
79	.3925	.3925	"
80	.3975	.3975	"
81	.4025	.4025	"

<u>Channel</u>	<u>Base Frequency</u>	<u>Mobile Frequency</u>	<u>Country...</u>
82	220.4075	221.4075	United States
83	.4125	.4125	"
84	.4175	.4175	"
85	.4225	.4225	"
86	.4275	.4275	"
87	.4325	.4325	"
88	.4375	.4375	"
89	.4425	.4425	"
90	.4475	.4475	"
91	220.4525	221.4525	Mexico
92	.4575	.4575	"
93	.4625	.4625	"
94	.4675	.4675	"
95	.4725	.4725	"
96	.4775	.4775	"
97	.4825	.4825	"
98	.4875	.4875	"
99	.4925	.4925	"
100	.4975	.4975	"
101	.5025	.5025	"
102	.5075	.5075	"
103	.5125	.5125	"
104	.5175	.5175	"
105	.5225	.5225	"
106	220.5275	221.5275	United States
107	.5325	.5325	"
108	.5375	.5375	"
109	.5425	.5425	"
110	.5475	.5475	"
111	.5525	.5525	"
112	.5575	.5575	"
113	.5625	.5625	"
114	.5675	.5675	"
115	.5725	.5725	"
116	.5775	.5775	"
117	.5825	.5825	"
118	.5875	.5875	"
119	.5925	.5925	"
120	.5975	.5975	"
121	220.6025	221.6025	Mexico
122	.6075	.6075	"
123	.6125	.6125	"
124	.6175	.6175	"
125	.6225	.6225	"
126	.6275	.6275	"
127	.6325	.6325	"
128	.6375	.6375	"

<u>Channel</u>	<u>Base Frequency</u>	<u>Mobile Frequency</u>	<u>Country</u>
129	220.6425	221.6425	Mexico
130	.6475	.6475	"
131	.6525	.6525	"
132	.6575	.6575	"
133	.6625	.6625	"
134	.6675	.6675	"
135	.6725	.6725	"
136	220.6775	221.6775	United States
137	.6825	.6825	"
138	.6875	.6875	"
139	.6925	.6925	"
140	.6975	.6975	"
141	.7025	.7025	"
142	.7075	.7075	"
143	.7125	.7125	"
144	.7175	.7175	"
145	.7225	.7225	"
146	220.7275	221.7275	Mexico
147	.7325	.7325	"
148	.7375	.7375	"
149	.7425	.7425	"
150	.7475	.7475	"
151	.7525	.7525	"
152	.7575	.7575	"
153	.7625	.7625	"
154	.7675	.7675	"
155	.7725	.7725	"
156	220.7775	221.7775	United States
157	.7825	.7825	"
158	.7875	.7875	"
159	.7925	.7925	"
160	.7975	.7975	"
161	.8025	.8025	"
162	.8075	.8075	"
163	.8125	.8125	"
164	.8175	.8175	"
165	.8225	.8225	"
166	220.8275	221.8275	Mexico
167	.8325	.8325	"
168	.8375	.8375	"
169	.8425	.8425	"
170	.8475	.8475	"
171	.8525	.8525	"
172	.8575	.8575	"
173	.8625	.8625	"
174	.8675	.8675	"
175	.8725	.8725	"

<u>Channel</u>	<u>Base Frequency</u>	<u>Mobile Frequency</u>	<u>Country</u>
176	220.8775	221.8775	Mexico
177	.8825	.8825	"
178	220.8875	221.8875	United States
179	.8925	.8925	"
180	.8975	.8975	"
181	.9025	.9025	"
182	.9075	.9075	"
183	.9125	.9125	"
184	.9175	.9175	"
185	.9225	.9225	"
186	.9275	.9275	"
187	.9325	.9325	"
188	.9375	.9375	"
189	.9425	.9425	"
190	.9475	.9475	"
191	.9525	.9525	"
192	.9575	.9575	"
193	.9625	.9625	"
194	.9675	.9675	"
195	220.9725	221.9725	Both Countries
196	.9775	.9775	"
197	.9825	.9825	"
198	.9875	.9875	"
199	.9925	.9925	"
200	.9975	.9975	"