

William G. H. G.
Protocol 3

PROTOCOL CONCERNING THE USE
OF THE 806-824/851-869 AND 896-901/935-940 MHZ BANDS
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 frequencies within a distance of 110 km on each side of the common border (Sharing Zone) and to achieve an equitable distribution of the available channels.

2. To create public safety mutual aid channels for use on both sides of the common border.

3. To establish the technical criteria that will permit each Administration to regulate the use of the available channels.

4. 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 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 Sharing Zone, the frequencies in the bands 806-824/851-869 and 896-901/935-940 MHz shall be shared by the Administrations in accordance with the tables in Appendices A and B, which are an integral part of this Protocol.

2. The following paired channels shall be available to Administrations as public safety mutual aid channels for

coordination of communications between different public safety agencies or for other similar emergency communications:

<u>Mobile</u>	<u>Base</u>
821.0125 MHz calling	866.0125 MHz calling
821.5125 MHz	866.5125 MHz
822.0125 MHz	867.0125 MHz
822.5125 MHz	867.5125 MHz
823.0125 MHz	868.0125 MHz

These channels shall be used in accordance with the sharing principles set forth in Appendix C, which is an integral part of this Protocol.

3. Assignments made by an Administration on its own primary allotment frequencies within the Sharing Zone shall be authorized subject to the Effective Radiated Power (ERP) and Antenna Height limits specified in the following table:

Antenna Height Above Mean Sea Level	ERP
Meters	Watts (Maximum)
0 to 503	500
Above 503 to 609	350
Above 609 to 762	200
Above 762 to 914	140
Above 914 to 1066	100
Above 1066 to 1219	75
Above 1219 to 1371	70
Above 1371 to 1523	65
Above 1523	5

4. Frequencies allotted for the primary use of one country may be assigned by the other country within the Sharing Zone under the following conditions:

(a) The maximum power flux density (pfd) at any point at or beyond the border shall not exceed -107 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 from harmful interference from stations that have primary use of the authorized frequency.

5. Within the Sharing Zone, the Administrations shall use the spectrum on the basis of a two frequency channeling plan, with the base and mobile transmissions as specified in Appendices A and B. A mobile station may also transmit on any frequency assigned to its associated base station.

6. Beyond the Sharing Zone, the Administrations have unrestricted use of these bands.

7. Certain frequencies identified in Appendix B shall be used as guard channels to prevent adjacent channel interference to stations operating on their country's primary use frequency

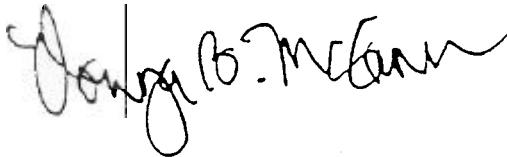

ARTICLE IV. Entry Into Force and Termination

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.

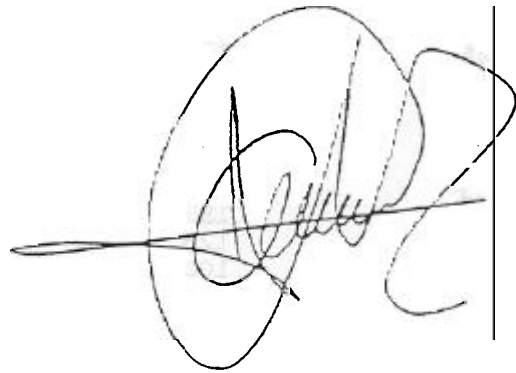
IN WITNESS WHEREOF, the respective representatives have signed the present Protocol.

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:

FOR THE GOVERNMENT OF THE UNITED MEXICAN STATES:



[Faint, illegible text]

[Faint, illegible text]

APPENDIX A

TABLE OF ALLOTMENT

Bands 806-821/851-866 MHz and 896-901/935-940 MHz

A. Specific Frequency Allotments

<u>Channel</u>	<u>Base Frequency</u>	<u>Mobile Frequency</u>	<u>Country</u>
1	865.975	820.975	MEXICO
2	.950	.950	U.S.
3	.925	.925	MEXICO
4	.900	.900	U.S.
5	.875	.875	MEXICO
6	.850	.850	U.S.
7	.825	.825	MEXICO
8	.800	.800	U.S.
9	.775	.775	MEXICO
10	.750	.750	U.S.
11	.725	.725	MEXICO
12	.700	.700	U.S.
13	.675	.675	MEXICO
14	.650	.650	U.S.
15	.625	.625	MEXICO
16	.600	.600	U.S.
17	.575	.575	MEXICO
18	.550	.550	U.S.
19	.525	.525	MEXICO
20	.500	.500	U.S.
21	.475	.475	MEXICO
22	.450	.450	U.S.
23	.425	.425	MEXICO
24	.400	.400	U.S.
25	.375	.375	MEXICO
26	.350	.350	U.S.
27	.325	.325	MEXICO
28	.300	.300	U.S.
29	.275	.275	MEXICO
30	.250	.250	U.S.
31	.225	.225	MEXICO
32	.200	.200	U.S.
33	.175	.175	MEXICO
34	.150	.150	U.S.
35	.125	.125	MEXICO
36	.100	.100	U.S.
37	.075	.075	MEXICO
38	.050	.050	U.S.
39	.025	.025	MEXICO
40	.000	.000	U.S.
41	864.975	819.975	MEXICO
42	.950	.950	U.S.
43	.925	.925	MEXICO
44	.900	.900	U.S.
45	.875	.875	MEXICO
46	.850	.850	U.S.
47	.825	.825	MEXICO
48	.800	.800	U.S.
49	.775	.775	MEXICO

50	254.750	819.750	U.S.
51	.725	.725	MEXICO
52	.700	.700	U.S.
53	.675	.675	MEXICO
54	.650	.650	U.S.
55	.625	.625	MEXICO
56	.600	.600	U.S.
57	.575	.575	MEXICO
58	.550	.550	U.S.
59	.525	.525	MEXICO
60	.500	.500	U.S.
61	.475	.475	MEXICO
62	.450	.450	U.S.
63	.425	.425	MEXICO
64	.400	.400	U.S.
65	.375	.375	MEXICO
66	.350	.350	U.S.
67	.325	.325	MEXICO
68	.300	.300	U.S.
69	.275	.275	MEXICO
70	.250	.250	U.S.
71	.225	.225	MEXICO
72	.200	.200	U.S.
73	.175	.175	MEXICO
74	.150	.150	U.S.
75	.125	.125	MEXICO
76	.100	.100	U.S.
77	.075	.075	MEXICO
78	.050	.050	U.S.
79	.025	.025	MEXICO
80	.000	.000	U.S.
81	863.975	818.975	MEXICO
82	.950	.950	U.S.
83	.925	.925	MEXICO
84	.900	.900	U.S.
85	.875	.875	MEXICO
86	.850	.850	U.S.
87	.825	.825	MEXICO
88	.800	.800	U.S.
89	.775	.775	MEXICO
90	.750	.750	U.S.
91	.725	.725	MEXICO
92	.700	.700	U.S.
93	.675	.675	MEXICO
94	.650	.650	U.S.
95	.625	.625	MEXICO
96	.600	.600	U.S.
97	.575	.575	MEXICO
98	.550	.550	U.S.
99	.525	.525	MEXICO
100	.500	.500	U.S.
101	.475	.475	MEXICO
102	.450	.450	U.S.
103	.425	.425	MEXICO
104	.400	.400	U.S.
105	.375	.375	MEXICO
106	.350	.350	U.S.
107	.325	.325	MEXICO
108	.300	.300	U.S.
109	.275	.275	MEXICO
110	.250	.250	U.S.

111	863.225	313.225	MEXICO
112	.200	.200	U.S.
113	.175	.175	MEXICO
114	.150	.150	U.S.
115	.125	.125	MEXICO
116	.100	.100	U.S.
117	.075	.075	MEXICO
118	.050	.050	U.S.
119	.025	.025	MEXICO
120	.000	.000	U.S.
121	862.975	817.975	MEXICO
122	.950	.950	U.S.
123	.925	.925	MEXICO
124	.900	.900	U.S.
125	.875	.875	MEXICO
126	.850	.850	U.S.
127	.825	.825	MEXICO
128	.800	.800	U.S.
129	.775	.775	MEXICO
130	.750	.750	U.S.
131	.725	.725	MEXICO
132	.700	.700	U.S.
133	.675	.675	MEXICO
134	.650	.650	U.S.
135	.625	.625	MEXICO
136	.600	.600	U.S.
137	.575	.575	MEXICO
138	.550	.550	U.S.
139	.525	.525	MEXICO
140	.500	.500	U.S.
141	.475	.475	MEXICO
142	.450	.450	U.S.
143	.425	.425	MEXICO
144	.400	.400	U.S.
145	.375	.375	MEXICO
146	.350	.350	U.S.
147	.325	.325	MEXICO
148	.300	.300	U.S.
149	.275	.275	MEXICO
150	.250	.250	U.S.
151	.225	.225	MEXICO
152	.200	.200	U.S.
153	.175	.175	MEXICO
154	.150	.150	U.S.
155	.125	.125	MEXICO
156	.100	.100	U.S.
157	.075	.075	MEXICO
158	.050	.050	U.S.
159	.025	.025	MEXICO
160	.000	.000	U.S.
161	861.975	816.975	MEXICO
162	.950	.950	U.S.
163	.925	.925	MEXICO
164	.900	.900	U.S.
165	.875	.875	MEXICO
166	.850	.850	U.S.
167	.825	.825	MEXICO
168	.800	.800	U.S.
169	.775	.775	MEXICO
170	.750	.750	U.S.

171	361.725	816.725	MEXICO
172	.700	.700	U.S.
173	.675	.675	MEXICO
174	.650	.650	U.S.
175	.625	.625	MEXICO
176	.600	.600	U.S.
177	.575	.575	MEXICO
178	.550	.550	U.S.
179	.525	.525	MEXICO
180	.500	.500	U.S.
181	.475	.475	MEXICO
182	.450	.450	U.S.
183	.425	.425	MEXICO
184	.400	.400	U.S.
185	.375	.375	MEXICO
186	.350	.350	U.S.
187	.325	.325	MEXICO
188	.300	.300	U.S.
189	.275	.275	MEXICO
190	.250	.250	U.S.
191	.225	.225	MEXICO
192	.200	.200	U.S.
193	.175	.175	MEXICO
194	.150	.150	U.S.
195	.125	.125	MEXICO
196	.100	.100	U.S.
197	.075	.075	MEXICO
198	.050	.050	U.S.
199	.025	.025	MEXICO
200	861.000	816.000	U.S.

B. Specific Sub-band Allotments

1. MEXICO

<u>Base</u>	<u>Mobile</u>
851.000 to 856.000 MHz	806.000 to 811.000 MHz
937.50625 to 940.0 MHz	898.50625 to 901.0 MHz

2. UNITED STATES

<u>Base</u>	<u>Mobile</u>
856.000 to 861.000 MHz	811.000 to 816.000 MHz
935.0 to 937.50625 MHz	896.0 to 898.50625 MHz

APPENDIX B

TABLE OF ALLOTMENT

Bands 821-824 MHz and 866-869 MHz

<u>Channel</u>	<u>Base Frequency</u>	<u>Mobile Frequency</u>	<u>Country</u>
601	866.0125	821.0125	Both Countries
***	.0250	.0250	Not Available
602	.0375	.0375	U.S.
603	.0500	.0500	"
604	.0625	.0625	"
605	.0750	.0625	"
606	.0875	.0875	"
607	.1000	.1000	"
608	.1125	.1125	"
609	.1250	.1250	"
610	.1375	.1375	"
611	.1500	.1500	Guard Channel
612	.1625	.1625	MEXICO
613	.1750	.1750	"
614	.1875	.1875	"
615	.2000	.2000	"
616	.2125	.2125	"
617	.2250	.2250	"
618	.2375	.2375	"
619	.2500	.2500	"
620	.2625	.2625	"
621	.2750	.2750	"
622	.2875	.2875	"
623	.3000	.3000	"
624	.3125	.3125	"
625	.3250	.3250	"
626	.3375	.3375	"
627	.3500	.3500	"
628	.3625	.3625	"
629	.3750	.3750	Guard Channel
630	.3875	.3875	U.S.
631	.4000	.4000	"
632	.4125	.4125	"
633	.4250	.4250	"
634	.4375	.4375	"
635	.4500	.4500	"
636	.4625	.4625	"
637	.4750	.4750	"
638	.4875	.4875	"
***	.5000	.5000	Not Available
639	.5125	.5125	Both Countries
***	.5250	.5250	Not Available
640	.5375	.5375	U.S.
641	.5500	.5500	"
642	.5625	.5625	"
643	.5750	.5750	"
644	.5875	.5875	"
645	.6000	.6000	"
646	.6125	.6125	"
647	.6250	.6250	"
648	.6375	.6375	"
649	.6500	.6500	Guard Channel

650		821.6625	MEXICO
651	866.6625	.6750	"
652	.6750	.6875	"
653	.6875	.7000	"
654	.7000	.7125	"
655	.7125	.7250	"
656	.7250	.7375	"
657	.7375	.7500	"
658	.7500	.7625	"
659	.7625	.7750	"
660	.7750	.7875	"
661	.7875	.8000	"
662	.8000	.8125	"
663	.8125	.8250	"
664	.8250	.8375	"
665	.8375	.8500	"
666	.8500	.8625	"
667	.8625	.8750	Guard Channel
668	.8750	.8875	U.S.
669	.8875	.9000	"
670	.9000	.9125	"
671	.9125	.9250	"
672	.9250	.9375	"
673	.9375	.9500	"
674	.9500	.9625	"
675	.9625	.9750	"
676	.9750	.9875	"
***	867.0000	822.0000	Not Available
677	.0000	.0125	Both Countries
***	.0125	.0250	Not Available
678	.0250	.0375	U.S.
679	.0375	.0500	"
680	.0500	.0625	"
681	.0625	.0750	"
682	.0750	.0875	"
683	.0875	.1000	"
684	.1000	.1125	"
685	.1125	.1250	"
686	.1250	.1375	"
687	.1375	.1500	Guard Channel
688	.1500	.1625	MEXICO
689	.1625	.1750	"
690	.1750	.1875	"
691	.1875	.2000	"
692	.2000	.2125	"
693	.2125	.2250	"
694	.2250	.2375	"
695	.2375	.2500	"
696	.2500	.2625	"
697	.2625	.2750	"
698	.2750	.2875	"
699	.2875	.3000	"
700	.3000	.3125	"
701	.3125	.3250	"
702	.3250	.3375	"
703	.3375	.3500	"
704	.3500	.3625	"
705	.3625	.3750	Guard Channel
706	.3750	.3875	U.S.
707	.3875	.4000	"
708	.4000	.4125	"
709	.4125	.4250	"

710	867.4375	822.4375	U.S.
711	.4500	.4500	"
712	.4625	.4625	"
713	.4750	.4750	"
714	.4875	.4875	"
***	.5000	.5000	Not Available
715	.5125	.5125	Both Countries
***	.5250	.5250	Not Available
716	.5375	.5375	U.S.
717	.5500	.5500	"
718	.5625	.5625	"
719	.5750	.5750	"
720	.5875	.5875	"
721	.6000	.6000	"
722	.6125	.6125	"
723	.6250	.6250	"
724	.6375	.6375	"
725	.6500	.6500	Guard Channel
726	.6625	.6625	MEXICO
727	.6750	.6750	"
728	.6875	.6875	"
729	.7000	.7000	"
730	.7125	.7125	"
731	.7250	.7250	"
732	.7375	.7375	"
733	.7500	.7500	"
734	.7625	.7625	"
735	.7750	.7750	"
736	.7875	.7875	"
737	.8000	.8000	"
738	.8125	.8125	"
739	.8250	.8250	"
740	.8375	.8375	"
741	.8500	.8500	"
742	.8625	.8625	Guard Channel
743	.8750	.8750	U.S.
744	.8875	.8875	"
745	.9000	.9000	"
746	.9125	.9125	"
747	.9250	.9250	"
748	.9375	.9375	"
749	.9500	.9500	"
750	.9625	.9625	"
751	.9750	.9750	"
752	.9875	.9875	"
***	868.0000	823.0000	Not Available
753	.0125	.0125	Both Countries
***	.0250	.0250	Not Available
754	.0375	.0375	U.S.
755	.0500	.0500	"
756	.0625	.0625	"
757	.0750	.0750	"
758	.0875	.0875	"
759	.1000	.1000	"
760	.1125	.1125	"
761	.1250	.1250	"
762	.1375	.1375	"
763	.1500	.1500	Guard Channel

764	868.1625	823.1625	MEXICO
765	.1750	.1750	"
766	.1875	.1875	"
767	.2000	.2000	"
768	.2125	.2125	"
769	.2250	.2250	"
770	.2375	.2375	"
771	.2500	.2500	"
772	.2625	.2625	"
773	.2750	.2750	"
774	.2875	.2875	"
775	.3000	.3000	"
776	.3125	.3125	"
777	.3250	.3250	"
778	.3375	.3375	"
779	.3500	.3500	"
780	.3625	.3625	Guard Channel
781	.3750	.3750	U.S.
782	.3875	.3875	"
783	.4000	.4000	"
784	.4125	.4125	"
785	.4250	.4250	"
786	.4375	.4375	"
787	.4500	.4500	"
788	.4625	.4625	"
789	.4750	.4750	"
790	.4875	.4875	"
791	.5000	.5000	"
792	.5125	.5125	"
793	.5250	.5250	"
794	.5375	.5375	"
795	.5500	.5500	"
796	.5625	.5625	"
797	.5750	.5750	"
798	.5875	.5875	"
799	.6000	.6000	"
800	.6125	.6125	Guard Channel
801	.6250	.6250	MEXICO
802	.6375	.6375	"
803	.6500	.6500	"
804	.6625	.6625	"
805	.6750	.6750	"
806	.6875	.6875	"
807	.7000	.7000	"
808	.7125	.7125	"
809	.7250	.7250	"
810	.7375	.7375	"
811	.7500	.7500	"
812	.7625	.7625	"
813	.7750	.7750	"
814	.7875	.7875	"
815	.8000	.8000	"
816	.8125	.8125	"
817	.8250	.8250	"
818	.8375	.8375	"
819	.8500	.8500	"
820	.8625	.8625	"
821	.8750	.8750	"
822	.8875	.8875	"
823	.8900	.8900	"
824	.9125	.9125	Guard Channel

825
826
827
828
829
830

.868.9250
.9375
.9500
.9625
.9750
.9875

823.9250
.9375
.9500
.9625
.9750
.9875

U.S.
"
"
"
"

APPENDIX C

SHARING PRINCIPLES FOR MUTUAL AID CHANNELS

This Appendix describes the sharing principles for the use of the five public safety mutual aid channel pairs on both sides of the common border.

1. The following channels will be used as public safety mutual aid channels:

<u>Mobile</u>	<u>Base</u>
821.0125 MHz calling	866.0125 MHz calling
821.5125 MHz	866.5125 MHz
822.0125 MHz	867.0125 MHz
822.5125 MHz	867.5125 MHz
823.0125 MHz	868.0125 MHz

2. All equipment capable of operating on the mutual aid channels must be equipped with the tone squelch of 156.7 Hz.
3. The channels shall be 25 kHz wide.
4. Within 110 kilometers of the common border, neither country shall assign frequencies closer than 25 kHz to any of the mutual aid channels.
5. The mutual aid channels are available on a shared basis to duly-authorized public safety agencies on both sides of the border. Users must first monitor the frequency before transmitting to ensure that any on-going emergency communications are not interrupted.
6. The mutual aid channels are to be used only for coordination of tactical communications between different public safety agencies, or for other similar emergency situations. They must not be used for administrative or other routine communications.

7 When the Administrations designate regions along the border, they will designate and exchange local points of contact in the corresponding regions to facilitate the coordination of base stations established to provide mutual aid capabilities across the border

8 Requests for aid across the border should first be made on the calling channel 821.0125/866.0125 MHz.

9 Regions that operate on these mutual aid channels shall designate agencies to monitor the calling channel on a 24 hour basis every day of the year.

10. The points of contact in adjoining regions across the border shall participate in the cooperative establishment of priorities in the case of multiple emergencies requiring use of the channels according to the following general priorities:

Priority A: Large scale disaster and emergency situations involving imminent danger to the safety of the public at large (e.g., earthquakes, large chemical spills).

Priority B: Other emergency situations involving imminent danger to the safety of life or property.

Priority C: Special event control activities, generally of a pre-planned nature, and requiring coordination of two or more agencies.

Priority D: Drill, test, and exercises of civil defense or disaster response procedures.

Whenever the use of a higher priority is required, all lower priority operations must cease in any area where interference to the use of a higher priority could occur.