VOLUME II

FINAL REPORT

of the

International Administrative Aeronautical Radio Conference

on the

Plan for the Allotment of Frequencies

for the

Aeronautical Mobile OR Service

Adopted

at its

First Session, GENEVA, 1948

Corrigendum to Volume II

Page 29, column of 3053 kc/s, last line read "Hawa".

Page 29, column of 3060 kc/s, 3rd line read "Mart".

Page 33, 4th column read "4724,5"

first line of this column, read "D/USA".

at the end of this column, read

Sur une base secondaire

F (Côte Occ.) (100 W)
Alge (100 W)
Mada (100 W)

Page 53, column of 13235,5 kc/s, 8th line, read "JMari/USA"

Page 60, column of 3904 kc/s, 5th to 9th line, read

D/G
Isla
AfrS
Egyp
MarF

Page 60, column of 3911 kc/s, 6th to 9th line, read

F
AEF
AOF
Mada

Page 69, column A, 2nd part, first line, read "F (S et O)(100 W)"

Page 69, column B, 4th to 7th line, read

Alge
AEF
AOF
Came

PLAN FOR THE ALLOTMENT OF FREQUENCIES FOR THE AERONAUTICAL MOBILE OR SERVICE

Section 1 - Determination of Requirements.

1. Compilation of Requirements.

In order to have the necessary information concerning requirements for aeronautical mobile OR band frequencies, the following action was taken:

a) All the Forms 2 concerning the aeronautical mobile service (either submitted at Atlantic City or received by the P.F.B. before 10th April 1948 or subsequently up to 15th May 1948, the opening date of the Conference) were assembled.

b) All countries members of the I.T.U. were requested by the Preparatory Committee to submit modifications, additions and deletions concerning OR requirements before 15th May 1948 and supplementary information before 30th May 1948. (See Appendix 1, A).

c) The information supplied in compliance with the request shown at (b) was incorporated with the material mentioned in (a).

d) Requirements concerning the OR service were segregated as far as possible from those concerning the R service. In cases of doubt the countries concerned were requested to submit supplementary information before 10th June 1948. (See Appendix 1, B).

2. Minimum Information Necessary.

(1) Statements of the requirements of the various countries on Form 2, or in a form giving essentially the same information as Form 2, were to be used as a basis for determining the requirements of the various countries in the aeronautical mobile OR service.

(2) Although desirable to have all the information called for on Form 2, it was found, nevertheless, possible to make frequency allotments in the aeronautical mobile OR service without some of the details contained therein. There remains, however, a limit below which the amount of information required must not be allowed to fall, if engineering principles are to be applied.

(3) Consequently, only those requirements were considered for which the following minimum information was available:

- the approximate location of the transmitter (Notes 1 and 2)
- the type of emission,
- hours of operation (G.M.T.),
- power delivered to the antenna (kW), and
- order of frequencies desired.

(4) The foregoing provisions were not rigidly applied in cases where sufficient information was available to facilitate the application of the agreed technical principles to the formulation of the OR frequency allotment plan.

3. Study and Disposition of Information

(1) Requirements received after 30th May 1948 could not be dealt with in the time at the disposal of the Conference; therefore, all available relative information, including the date on which it was received, was passed to the I.F.R.B., to be dealt with in accordance with the terms of paragraphs 16 and 17 of the resolution of the International Administrative Radio Conference, 1947, "Relating to the Preparation of the New International Frequency List", and with the decisions of the present Conference.

(2) The requirements of countries which had been submitted up to and including 30th May 1948 in accordance with paragraphs 1 and 2, but which did not contain the information mentioned in paragraph 2 (3), were considered on equal terms with those of countries which had provided full information by that date, subject to the receipt of the necessary additional information before 10th June 1948. (See Appendix 1, B).

(3) The manner in which the OR requirements of the various countries were dealt with is shown at Appendix 2.

Note 1. (a) For frequencies of 6 Mc/s and below, used in daylight, the location of the transmitter is to be stated to within 50 km in the frontier zone of each country, and to within 300 km outside this zone.

(b) For frequencies above 6 Mc/s used both by day and by night, the location of the transmitter is to be stated to within 100 km in the frontier zone of each country, and to within 600 km outside this zone.

(c) For frequencies below 6 Mc/s used by night, the location of the transmitter is to be stated as in (b).

Note 2. The frontier zone of a country is defined for this purpose as the zone 600 km wide inside the country extending along the frontier.

Section II - Available Frequency Bands and Channels

4. Bands

The frequency bands available to the OR service fall into three distinct categories, i.e.

a) bands allocated exclusively to the aeronautical mobile OR service,

b) bands which specifically provide for the aeronautical mobile OR service, but which are shared with other services, and

c) bands for the general mobile services, from which the aeronautical mobile OR service is not specifically excluded.

5. Assignable Frequencies

(1) Exclusive Bands

The assignable frequencies for the bands allocated exclusively to the aeronautical mobile OR service are indicated in Appendix 6.

(2) Shared Bands

a) In studying the allotment of frequencies in the bands shared by the aeronautical mobile OR service with other services, particular account was taken of the decision taken by the Administrative Council (second meeting) to adopt the recommendations of the P.F.B. (See Appendix 3).

b) The channels proposed for allotment to the OR service in the shared bands have the same separation as those in the exclusive bands. No specific frequencies were recorded, however, for these shared band channels. The numbers of OR allotments proposed in the shared bands were assessed primarily on the basis of the size of the bands and the number of services sharing them.(See Appendix 6).

6. Selection of Frequencies

(1) Exclusive Bands

All requirements including those common to more than one region were, to the limit of the spectrum space available, accommodated in the bands allocated exclusively to the OR service on a world-wide basis. Excess requirements in respect of Region 1 were met, as far as possible, from the band (3900 to 3950 kc/s) allocated exclusively to the OR service in that region.

(2) Shared Bands

a) The balance of the requirements was accommodated to the maximum extent in the bands shown in paragraph 4 (b) and (c) in that order of preference.

b) It was decided that all information (including the technical standards considered desirable for the aeronautical mobile OR service) concerning the proposed allotments in the shared bands, between 3 and 4 Mc/s, should be submitted to the I.F.R.B. for transmission to the various regional conferences. Moreover, similar information concerning the proposed allotments in the shared bands, between 4 and 27,5 Mc/s, should be submitted to the P.F.B.

Section III - Technical Principles

7. Division of Channels

In order to utilize most efficiently the available bands, it was found necessary that one A 3 channel satisfy either one A3 or two A1 requirements. In the latter instance the two half channels were never to be allotted to different administrations.

8. Modification of Class of Emission

Recognizing the necessity, on the one hand, of avoiding harmful interference, and on the other hand, of using the spectrum space to its full capacity, it was decided a change from one type of emission to another is permissible in those cases where no additional band space is thereby occupied.

9. Allotment of Adjacent Channels

(1) It was decided that, in the frequency allotment plan, similar classes of emission were to be assembled, wherever possible, into contiguous channels. In practice, however, it proved impossible to apply this principle except in a small number of cases.

(2) Furthermore, where a country so desires, the allotments to that country were to be assembled into contiguous channels where geographical considerations permit and where otherwise practicable.

10. Repetition of Assignments

(1) The Conference compared a summary of the requirements with a summary of the exclusive OR band channels, using various protection ratios in order to assess the possibilities of repetition of the same assignment. The theoretical possibilities of satisfying

the demands for OR allotments, if all stations were equally distributed over the earth's surface, were then known. This comparison is reproduced at Appendix 4.

(2) After a study of the information contained in Appendix 4 and other appropriate technical factors, and after taking into account the practical considerations which permit satisfaction of the maximum number of requirements consistent with minimum technical standards, the protection ratios and propagation conditions indicated below were adopted for the repetition of assignments in the various bands:

BAND (Mc/s)	PROTECTION RATIOS(db)	PROPAGATION CONDITIONS
3	30	30° from the day/night line(Summer sunspot minimum)
4	25	" " " " " " " " "
5	20	" " " " " " " " "
6	20	" " " " " " " " "
9	20	" " " " " " " " "
11	20	" " " " " " " " "
13	20	Sub-solar point " " "
15	20	" " " " " "
18	20	" " " " " "

a) It was found that if an assignment is repeated only at distances permitting its simultaneous use during the night the frequency concerned could not be assigned a sufficient number of times to satisfy a reasonable number of requirements. Therefore,as indicated in the above table, only daylight propagation conditions have been considered in all the bands. A distinction in propagation conditions was made however, between the aeronautical mobile OR frequencies above and below 13 Mc/s because it is recognized that during most of the sunspot cycle frequencies above 13 Mc/s are only useful for long range communication for a few hours before and after mid-day.

b) Although, as indicated above, frequencies were allotted on a basis of daytime use, it was considered that night-time use of these frequencies is possible assuming the probability that a reasonable percentage of stations will close at night and that the others will achieve, by distance separation, a protection ratio which, although considerably below the daytime figure, will permit them to operate with some degree of satisfaction.

(3) The percentage of requirements for each of the bands which it is considered possible to satisfy, applying the above technical standards, and assuming that all stations are equally distributed over the earth's surface, is shown at Appendix 5.

11. Lower Standards

(1) In areas where it was found necessary to secure a greater repetition of assignments, the Conference agreed that the same frequency shall be allotted to more than one requirement of an administration even though this results in a reduction of protection ratio between the emissions of the stations concerned This principle was adopted because it was considered more practicable for one administration to control the interference thereby caused than to downgrade the standard protection ratios between the stations of different administrations.

(2) It was agreed that in certain areas where peaks of requirements occur, e.g., Europe, protection ratios may be lowered by agreement between the countries concerned.

(3) Time Sharing

Certain assignments have been repeated where there will undoubtedly be interference between stations of different administrations. This was done, however, in the belief that the working time of any one of the stations so treated would be intermittent. In these cases each station has an equal right to use the frequency, and no one station or group of stations is given priority.

(4) Secondary Assignments

It was further decided in some cases to assign a number of frequencies on a "secondary" basis. In such cases, a station having the use of a frequency as a "primary" assignment is protected from any other station using the same frequency as a "secondary" assignment by the following provisions:

- a station using a frequency on a secondary basis must be inferior in power to the station operating on a primary basis,

- such a station must be distant from the station operating on a primary basis by not less than half of the repetition distance required for a protection ratio of 20 db, and

- where frequencies are allotted on a secondary basis, they should be recorded in the Master International Frequency Register in the notification column and the frequencies may then be used in accordance with the rules laid down in the Radio Regulations, 1947.

Section IV - Frequency Allotment Plan

12. Allotment Data

The Conference therefore had at its disposal:

- an accurate list of all stated requirements,
- a list of the channels available to the aeronautical mobile OR service in the various bands, and
- the necessary technical and other principles required for the establishment of the allotment plan.

13. Allotment Procedure

(1) To ensure the establishment of the best overall plan and to take into account the peculiarities of Regions, the allotment of frequencies to the countries of the various regions was made by representatives of the countries situated in the region concerned. Each Region was considered independently for allotments in the bands of 6 Mc/s and below, with coordination at the boundaries of the Regions, while allotments in the higher frequency bands were considered by representatives of all regions, working together.

(2) Requests by a country to have all or some of the same frequencies for its overseas territories as for the home country were satisfied on condition that maximum economy in the allotment of frequencies was achieved, and that the full possibilities of geographical duplication were taken into account. However, the requirements for overseas territories were considered on exactly the same terms as those of other countries in the same area without giving any priority to the countries requiring the same frequencies in their home and overseas territories.

(3) The problem peculiar to the European Area of Region 1 and the Southern and Central Areas of Region 2 are indicated in paragraphs (4), (5) and (6) respectively.

(4) European Area of Region 1

a) In the European Area of Region 1 the allotment of frequencies in the bands:

3025 to 3155 kc/s
4700 to 4750 kc/s
5680 to 5730 kc/s

was made by effecting a preliminary distribution of all the frequencies of each band (with the exception of one or two so-called reserve frequencies) in each of two parts of the area limited by the western frontiers of Poland, Czechoslovakia, Roumania and Yugoslavia. In this distribution of

frequencies the possibilities of repetition of assignments were taken into account.

Before adopting the final distribution of these frequencies it was verified that the allotments made to the countries bordering the line of partition were acceptable from the point of view of interference. The application of the reserve frequencies permitted complete latitude for carrying out a re-allotment of the unacceptable frequencies.

b) For the bands 6685 to 6765 kc/s and 8965 to 9040 kc/s, this procedure was inapplicable by reason of the excessive interference ranges which cover practically all of Europe. The allotment plan was therefore established by considering the total requirements stated by the various countries of Region 2 and by seeking to utilize the small number of available channels in each of the bands in a manner which would best satisfy the requirements of the various countries, while restricting the interference possibilities to a minimum.

(5) Southern Area of Region 2 (South America)

a) The following South American countries and territories submitted requirements containing the necessary data:

Argentina	Chile	British Guiana
Bolivia	Colombia	Surinam
Brazil	French Guiana	Uruguay

b) Since some of the countries not listed above might have requirements for the OR service, it was decided by the Conference to leave available to the countries concerned the following channels in the 3, 4 and 5 Mc/s bands:

3067	4703.5	5688
3081	4710.5	5695.5
3095	4731.5	
3116	4745.5	
3130		
3137		

The countries concerned are:

- Ecuador and Peru, which have submitted Form 2 in respect of the aeronautical service but which have not made it clear whether requirements for the OR service were included,

- Paraguay and Venezuela, which have not submitted Form 2

c) The frequency of 3151 kc/s was agreed for use in South America by tourist aircraft for air to ground communication.

(6) Central Area of Region 2 (Central America and Caribbean Countries)

a) The following countries and territories of this area submitted requirements containing the necessary data:

Cuba
Curacao
French Overseas Departments (Guadeloupe and Martinique)
Honduras (Republic of)
Mexico
Nicaragua
Territories of the United States of America (Puerto Rico)
United States of America - for its stations operated by agreement in Bermuda, British West Indies, Canal Zone of Panama, and Guantanamo (Cuba).

b) Since some of the countries not listed above might have requirements for the OR service, it was agreed to leave available to these countries the following channels in the 3 Mc/s band:

3046	3130
3053	3151
3074	

The countries concerned are:

- Guatemala, whose requirements arrived after 10th June 1948 (See Paragraph 3)

- Costa Rica and El Salvador, which have submitted Forms 2 for the aeronautical service, but have not made it clear whether these forms included requirements for the OR service (see Paragraph 3)

- Haiti, Dominican Republic and Panama, which did not submit Form 2.

14. Frequency Plan

On the basis of all the above data the frequency allotment plan was compiled. This plan is reproduced at Appendix 6.

15. Channels Common to R and OR Service

(1) The channels common to the R and OR services, centered at 3023.5 and 5680 kc/s are authorized for use world-wide as follows:

a) aboard aircraft for:

- communications with approach and aerodrome control,

- communication with an aeronautical station when other frequencies of the station are either unavailable or unknown;

b) at aeronautical stations for aerodrome and approach control under the following conditions:

- for approach control with power limited to a value that will produce 20 μv/m at 100 km and in any case no more than 20 watts in the antenna circuit,

- for aerodrome control with the power limited to a value that will produce 20 uv/m at 40 km and in any case no more than 20 watts in the antenna circuit.

Special attention must be given in each case to the type of antenna used in order to avoid harmful interference.

c) for intercommunication between mobile stations engaged in coordinated search and rescue operations at the scene of a disaster.

(2) The specific application of these common channels for these purposes may be decided at regional aeronautical conferences.

(3) With respect to the use of 5680 kc/s for approach and aerodrome control, it is recognized that this frequency is not appropriate for these purposes and its use should be abandoned as soon as possible. It should be used with careful regard to its propagation characteristics.

(4) These channels may be used for A1 or A3 emission, in accordance with special arrangements. They shall not be subdivided.

Section V - Conclusions and Recommendations

16. International Frequency List

In the time available to the Conference, it was not possible to complete all of the details which are required for inclusion in the new International Frequency List. Arrangements were made to complete the compilation of the detailed frequency list from the allotment plan shown at Appendix 6, after the conclusion of the Conference.

17. Future Allocation to the Aeronautical Mobile OR Service

(1) Despite the fact that the requirements of all countries were not considered (see Appendix 2), it was possible to satisfy only a limited number of the known requirements of the OR service in the spectrum space available.

It is considered that the allocations to this service by the International Administrative Radio Conference, 1947, were made on the basis of inadequate information of the requirements of the service and, therefore, have not taken all of those requirements into account.

It is further pointed out that the primary purpose of the communications in the OR service is to ensure the safety of flight.

(2) It was agreed to recommend that the next International Administrative Radio Conference, in deciding what changes shall be made in Article 5 of the Radio Regulations, 1947, should study this Plan carefully, together with all other necessary information.

18. Limitation of Power

It was agreed further that Administrations should consider the possibility of a reduction in aeronautical station radiated power at night, with the view to a possible agreement on the subject at the next International Administrative Radio Conference (reference International Telecommunications Convention, 1947, Articles 11 and 13, paragraph 2).

APPENDIX 1 (A)

Telegram sent 2nd May 1948 to all the members of the I.T.U. :

"55/2 - The Preparatory Committee of the International Administrative Aeronautical Radio Conference requests member countries to ensure that all deletions as well as additions to aeronautical mobile OR service requirements whose submission on Form 2 has previously been requested, be in the possession of the International Administrative Aeronautical Conference at the time of its opening session 15th May 1948. It is further requested that information outlined hereunder be submitted as early as possible but not later than 30th May 1948.

1. For requirements submitted on Form 2 indicate by circuit number which are OR circuits. Where necessary add additional information to identify the station.

2. For OR services where duplication of a frequency or family of frequencies at two or more locations is desired, this should be indicated against the station concerned by appropriate cross references in column thirteen.

3. In the event that some countries feel that Form 2 as already submitted do not adequately express their requirements, they may (repeat) may submit all or part of their requirements for the aeronautical mobile OR service for ground to air and air to ground communications in the following manner.

   Column 2. A location followed by a radius in kilometres of an area, to be kept as small as possible, within which a number of ground stations will in fact be operated on the frequencies desired.

   Columns three to six. Complete in the normal manner.

   Column seven. The maximum power used within the area on each frequency.

   Column eight. Insert all the frequencies that it is desired to use in the area specified in column two.

   Columns nine to eleven. Complete in the normal manner.

   Column thirteen. Insert in abbreviated form all the necessary complementary information, including cross references of channels.

4. The date for circuits projected to be established remains 1st September 1949, as decided by P.F.B. at its Plenary Meeting of March 10th, 1948. Please send this information to Burinterna, Palais Wilson, Geneva".

APPENDIX I (B)

Telegram sent 1st June 1948 to the following members of the I.T.U. :

Ethiopia	Greece
Turkey	Guatemala
Southern Rhodesia	Ireland
Newfoundland	Lebanon
Burma	Peru
Bolivia	Philippines
Belgian Congo	El Salvador
Costa Rica	Siam

"Urgent - Refer to our telegram No. 55/2 of May 2nd from the International Administrative Aeronautical Radio Conference. Member countries are requested to indicate in Form 2 the number of their requests for the mobile aeronautical service OR, we repeat OR. No reply on your part to the International Aeronautical Bureau, Palais Wilson, Geneva before June 7th will be considered as indicating no need for this service."

APPENDIX 2

A. Members of the I.T.U. whose OR requirements have been studied by the Conference.

People's Republic of Albania
Saudi Arabia (Kingdom of)
Argentine Republic
Australia (Commonwealth of) (including Mandated Territory of New Guinea)
The Bielorussian Soviet Socialist Republic
Bolivia
Brazil
People's Republic of Bulgaria
Canada (including the stations operated by agreement in Labrador)
Chile
China
Colombia (Republic of)
Portuguese Colonies
(Azores, Angola, Cape Verde Islands, Portuguese Guinea, Portuguese Indies, Macau, Mozambique, S.Tome and Principe, Portuguese Timor)
Colonies, Protectorates, Overseas Territories and territories under mandate or trusteeship of the United Kingdom of Great Britain and Northern Ireland
(Cyprus, Gibraltar, Hongkong, Kenya, Malaya, Malta, British Somaliland)
Overseas Territories of the French Republic and Territories administrated as such
(French Equatorial Africa, French West Africa, Cameroons, (Territory under trusteeship of France), French Somaliland, Indo-China, Madagascar and Dependences, New Caledonia and Dependences, New Hebrides (Anglo-French Condominium), French Settlements in Oceania, Togo (Territory under Trusteeship of France)
Cuba
Denmark (including Greenland)
Egypt

APPENDIX 2 (contd 1)

United States of America (including the following stations operated by the United States of America by agreement in Bermuda, China, Guantanamo (Cuba), Greenland, British Guiana, British West Indies, Labrador, Morocco, Philippines, Newfoundland, Panama Canal Zone).
Finland
France (including Algeria and the overseas departments : Guadeloupe and Dependencies, French Guiana, Martinique, La Réunion)
Honduras (Republic of)
India
Netherlands Indies
Iran
Iraq
Iceland
Italy
Lebanon
Mexico
Nicaragua
Norway
New Zealand (including the stations operated by agreement in Fidji)
Pakistan
Netherlands, Curacao and Surinam
Philippines (Republic of
Poland (Republic of)
Portugal
French Protectorates of Morocco and Tunisia
People's Federative Republic of Yugoslavia
The Ukrainian Soviet Socialist Republic
Southern Rhodesia
Roumania
United Kingdom of Great Britain and Northern Ireland, (including the following stations operated by the United Kingdom by agreement in Ceylon, Iraq, Libya, Suez Canal Zone)
Sweden
Swiss (Confederation)
Syria
Czechoslovakia
Territories of the United States of America (Alaska, Johnston Islands, Wake Island, Midway Islands, Puerto Rico, Hawaiian Island).

APPENDIX 2 (contd 2)

Union of South Africa and the mandated territories of South-West Africa
Union of Soviet Socialist Republics
Uruguay (Republic oriental of)

B. Members of the I.T.U. operating stations in occupied territories, the OR requirements for which have been studied by the Conference.

France, in French zones of Germany and Austria.

United Kingdom of Great Britain and Northern Ireland, in British zone of Germany.

United States of America, in United States zone of Germany, Caroline Islands, Mariana Islands, Marshall Islands, Ryukyu, Japan.

Union of Soviet Socialist Republics, in USSR zone of Germany.

C. Members of the I.T.U. whose requests arrived after 10th June, and have been sent to the I.F.R.B.

Belgium
Ethiopia
Guatemala

D. Members of the I.T.U. who have submitted Form 2 for the aeronautical service but who have not made it clear whether this form included requirements for the OR service.

Costa Rica
Ecuador
El Salvador (Republic of)
Greece
Ireland
Peru
Siam

E. Country non-member of the I.T.U. which has submitted Form 2 for the aeronautical service but which has not made it clear whether this form included requirements for the OR service.

Spain

APPENDIX 3

PROVISIONAL FREQUENCY BOARD
(P.F.B.)
GENEVA, 1948

Document No. 66 - E
9 February 1948

RECOMMENDATION OF PROVISIONAL FREQUENCY BOARD TO ADMINISTRATIVE COUNCIL

" It is recommended that:

A. The Administrative Council draw the attention of all administrations concerned to the necessity of convening suitable regional conferences and propose the following action be taken by the administrations concerned:

(1) The Copenhagen Broadcasting Conference to integrate the European aeronautical and maritime mobile requirements (see note 11, page 23 Reg:s) with those of broadcasting within the band 255-285 kc/s.

(2) The Copenhagen Maritime Conference integrate the European requirements within the band 405-415 kc/s.

(3) The Oslo Conference consider all European services sharing the band 1605-2850 kc/s and include in its deliberations the bands 3155-3400 kc/s and 3500-3900 kc/s.

(4) For those parts of Region 1 outside the European Area overall regional conferences be called to consider the requirements in the shared bands lying between 150 and 3900 kc/s.

(5) The Administrations of Region 3 convene a regional conference to deal with the several service requirements in the shared bands lying between 150 and 3900 kc/s.

B. Regional arrangements should be coordinated by the I.F.R.B. in accordance with its stat- ts.

C. A list of the frequency requirements between 150 and 4000 kc/s submitted on Forms 1 and 2 in frequency order for the fixed, maritime mobile, aeronautical and other mobile services for the countries of the European area of Region 1 be furnished by P.F.B. to all Region 1 conferences for their use (The costs for the establishment of 100 copies of this list will be approximately 1400.- Swiss francs).

D. Lists similar to those of C above be furnished on request to other regional conferences."

The Chairman:
Paul D. Miles

Frequency Band kc/s	Protection Ratio	Channels Available	Daytime Repetitions possible	Total daytime assignments possible	Night time Repetitions possible	Total night time assignments possible	Total requirements (Forms 2)	Percentage of requirements satisfied Daytime	Night time
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	20		172	3100	7	125		306	12.5
3025-3155	25	18	130	2340	6	108	1005	230	10
	30		77	1385	5	90		137	9
	20		122	854	7	49		132	7.6
4700-4750	25	7	98	686	5	35	643	106	5.5
	30		66	462	2	14		72	2.2
	20		53	318	4	24		99	7.5
5680-5730	25	6	40	240	3	18	323	74	5.6
	30		30	180	2	12		56	3.7
	20		40	400	4	40		60	6
6685-6765	25	10	26	260	3	30	672	39	4.5
	30		22	220	2	20		32	3
	20		7	56	3	24		20	9
8965-9040	25	8	6	48	2	16	275	17	6
	30		4	32	2	16		12	6
	20		8	80	2	20		31	8
11175-11275	25	10	4	40	2	20	258	15	8
	30		3	30	2	20		12	8
	20		6	36	2	12		16	5
13200-13260	25	6	4	24	2	12	225	11	5
	30		3	18	2	12		8	5
	20		3	24	-	8		17	-
15010-15100	25	8	3	24	-	8	138	17	-
	30		3	24	-	8		17	-
	20		3	15	-	5		7	-
17070-18030	25	5	3	15	-	5	215	7	-
	30		3	15	-	5		7	-

APPENDIX 5

Table of statistics showing roughly the possibilities of frequency allotment as a function of the channels in each band and as a function of the number of times these frequencies may be repeated within the land masses of different regions.

REGION I

BANDS	EUROPE					AFRICA				
	Number of channels	Number of repetitions	Average N° of assigned frequencies	N° of requirements	% of possible allocation	Number of channels	Number of repetitions	Average N° of assigned frequencies	N° of requirements	% of possible allocation
3025 - 3155	25*	8	200	385	52%	25*	25	625	90	700%
4700 - 4750	7	5	35	220	16%	7	22	154	71	217%
5680 - 5730	6	3	18	162	11%	6	11	66	43	153%
6625 - 6765	12	3	36	167	21,5%	12	9	108	86	125%
8965 - 9040	9	2	18	91	20%	9	4	36	52	70%

Note: *In region I the 3900-3950 kc/s band is also exclusively allocated to the aeronautical mobile OR service.

APPENDIX 5

REGION 2

BANDS	NORTH AMERICA					SOUTH AND CENTRAL AMERICA				
	Number of channels	Number of repetitions	Average N° of assigned frequencies	N° of requirements	% of possible allocation	Number of channels	Number of repetitions	Average N° of assigned frequencies	No of requirements	% of possible allocation
3025 - 3155	18	15	270	126	214%	18	17	306	190	161%
4700 - 4750	7	9	63	130	48%	7	13	91	111	82%
5680 - 5730	6	5	30	33	99%	6	8	48	81	59%
6625 - 6765	12	5	60	171	35%	12	6	72	93	77,5%
8965 - 9040	9	3	27	11	245%	9	3	27	92	30%

APPENDIX 5

REGION 3

BANDS	ASIATIC CONTINENT					AUSTRALASIA				
	Number of channels	Number of repetitions	Average N° assigned frequencies	N° of requirements	% of possible allocation	Number of channels	Number of repetitions	Average N° of assigned frequencies	N° of requirements	% of possible allocation
3025 - 3155	18	15	270	183	147%	18	16	288	180	160%
4700 - 4750	7	13	91	141	64,5%	7	14	98	93	105%
5680 - 5730	6	7	42	45	93%	6	8	48	47	102%
6625 - 6765	12	5	60	132	45,5%	12	7	84	119	70%
8965 - 9040	9	3	27	49	55%	9	4	36	49	73%

APPENDIX 5

WORLD WIDE

BANDS	Number of channels	Number of repetitions	Average N° of assigned frequencies	N° of requirements	% of possible allocation
11175 - 11275	11	8	88	260	35,5%
13200 - 13260	6	6	36	226	16%
15010 - 15100	10	3	30	138	21,7%
17970 - 18030	6	3	18	215	8,4%

APPENDIX 6

Alphabetical List of Country Designations

(Arranged in French alphabetical order)

AEF	French Equatorial Africa
AfrS	Union of South Africa
Alas	Alaska
Alba	Albania
Algé	Algeria
Ango	Angola
AOF	French West Africa
AraS	Saudi Arabia (Kingdom of)
AraS/G	Saudi Arabia (Kingdom of) (British stations)
Arge	Argentine Republic
Aust	Australian Commonwealth
Autr/F	Austria (French stations)
Azor	Azores
B	Brazil
Berm/USA	Bermuda (USA stations)
Boli	Bolivia
Bulg	Bulgaria
Came	Cameroons (Territories under Trusteeship of France)
Cana	Canada
CapV	Cape Verde Islands
Ceyl	Ceylon
Chil	Chile
Chin	China
Chin/USA	China (USA stations)
Chyp	Cyprus
Colo	Colombia
Cuba	Cuba
Cuba/USA	Cuba (USA stations)
Cura	Curacao
D/F	Germany (French stations)
D/G	Germany (British stations)
D/USA	Germany (USA stations)
Dnk	Denmark
Egyp	Egypt
F	France
Fiji/NZel	Fiji (New Zealand stations)
Finl	Finland
G	Great Britain
Gibr	Gibraltar
Grön	Greenland
Grön/USA	Greenland (USA stations)
Guad	Guadeloupe and Dependencies
GuBr/USA	British Guiana (USA stations)
GuFr	French Guinea
GuiP	Portuguese Guinea
Hawa	Hawaiian Islands
Holl	Holland (Netherlands)
Hond	Honduras (Republic of)
I	Italy
Inde	India

IndN	The Netherlands Indies
Indo	Indo-China
IndP	Portuguese India
IOBr/USA	British West Indies (USA stations)
Iran	Iran
Iraq	Iraq
Iraq/G	Iraq (British stations)
Isla	Iceland
J/USA	Japan (USA stations)
JCaro/USA	Caroline Islands (USA stations)
JMari/USA	Marianas Islands (USA stations)
JMars/USA	Marshall Islands (USA stations)
John	Johnston Island
Keny	Kenya
Kong	Hong Kong
Labr/USA	Labrador (USA stations)
Liba	Lebanon (Republic of)
Liby/G	Libya (British stations)
Maca	Macao
Mada	Madagascar and Dependencies
Mala	Malaya
Malt	Malta
MarF	Morocco (French Zone)
MarF/USA	Morocco (French Zone) (USA stations)
Mart	Martinique
Mexi	Mexico
Midw	Midway Island
Moza	Mozambique
NCal	New Caledonia
NHeb	New Hebrides (Condominium French-English)
Nica	Nicaragua
Nor	Norway
NZel	New Zealand
Ocea	French Settlements in Oceania
Pak	Pakistan
PanZ	Panama Canal Zone
Papu	Papua (Territory of)
Phil	Philippines (Republic of the)
Phil/USA	Philippines (Republic of the) - (USA stations)
Polo	Poland
Port	Portugal
Reun	Reunion
RhoS	South Rhodesia
Rico	Puerto Rico
Roum	Rumania
RSSB	Bielorussian Soviet Socialist Republic
RSSU	Ukrainian Soviet Socialist Republic
S	Sweden
SomB	British Somaliland
SomF	French Somaliland
STPr	San Tomé and Principe
Sudan	Anglo-Egyptian Sudan
Suez	Suez Canal Zone
Suez/G	Suez Canal Zone (British stations)
Suis	Swiss (Confederation)

Suri	Surinam (Netherlands Guiana)
Syri	Syrian Republic
Tche	Czechoslovakia
TerN/USA	Newfoundland (USA stations)
TimP	Portuguese Timor
Togo	Togoland (Territory under Trusteeship of France)
Tuni	Tunisia
URSS	Union of Soviet Socialist Republics
URSS-AM	Union of Soviet Socialist Republics - Middle Asia
URSS-C	Union of Soviet Socialist Republics - Caucasus
URSS-E	Union of Soviet Socialist Republics - Europe
URSS-SEO	Union of Soviet Socialist Republics - Siberia and Far East
Urug	Uruguay
USA	United States of America
Wake	Wake Island
Youg	Yugoslavia

Other abbreviations

N	North
S	South
E	East
O	West

Example : "N - 46° N" means "North of 46° north".

"55° O - 64° O & N - 7° S" means "Between 55° west and 64° west and north of 7° south".

W = watts

kW = kilowatts

Example : "Cuba (500 W)" means "Cuba power limited to 500 watts delivered to the antenna".

Sur une base secondaire - On a secondary basis

BANDE
BAND 3025 - 3155 kc/s
BANDA
Диапазон

REGION 1
Район 1

3032	3039	3046	3053	3060
SomF (350 W) URSS-E F Alge Tuni MarF Polo Nor AEF AOF Mada Egyp Iraq URSS-SEO (1kW)	URSS-AM (500 W) URSS-C F Alge MarF Tuni Youg Nor AEF AOF Mada SomF Egyp AraS RSSB	URSS-E F Port Tche Alge Isla AEF AOF Came Mada SomF URSS-SEO (1kW)	F Port Azor Alba RSSU AEF AOF Came Mada Togo Dnk URSS-SEO (1kW)	URSS-E URSS-AM Port Azor AEF AOF Mada Syri D/USA URSS-SEO (1kW)

3067	3074	3081	3088	3095
URSS-E Roum S Port Syri D/USA URSS-AM (1kW)	URSS-E URSS-AM (1kW) G Port Bulg S Gibr Tuni F Azor Ango CapV GuiP Moza STPr Suez/G	URSS-E G Port Finl Roum Azor Malt Suez/G AraS/G Iraq/G Liby/G Chyp SomB Keny Sudan D/G URSS-SEO (1kW)	URSS-E URSS-AM (1kW) RSSU Port AfrS Egyp G D/G	URSS-AM (1kW) URSS-C G Suis Gibr Polo F Malt Suez/G AraS/G(2.5kW) Iraq/G Liby/G Chyp SomB Keny Sudan RhoS URSS-SEO (1kW)

BANDE
BAND 3025 - 3155 kc/s
BANDA
Диапазон

REGION 1
Район 1

3102	3109	3116	3123	3130
*URSS-C G Gibr Malt AfrS Egyp RSSB	*URSS-E S I G MarF/USA AfrS Egyp	*URSS-E URSS-AM (1kW) URSS-C G Tche Alge Tuni Suez/G AfrS URSS-SEO (1kW)	URSS-E RSSU Holl G (N) I MarF/USA Egyp URSS-SEO (N-46° N, W-170° E)	URSS-E Holl G (N) Egyp URSS-SEO (1kW)

3137	3144	3151	------	------
URSS-E URSS-C URSS-AM (1kW) Holl Bulg Egyp URSS-SEO (1kW)	URSS-E URSS-C RSSU Youg Egyp MarF Alge Tuni AOF AEF Mada Came URSS-SEO (1kW) D/USA	URSS-E Bulg Egyp MarF Alge Tuni AOF AEF Mada Came URSS-SEO (1kW) D/F		

* Cette fréquence sera aussi utilisée dans la zone d'occupation de l'U.R.S.S. en Allemagne.
* This frequency will also be used in the U.S.S.R. occupation zone of Germany.
* Esta frecuencia sera usada también en la zona ocupada en Alemania por la U.R.S.S.
* Эта частота будет применяться также в советской оккупационной зоне Германии.

BANDE
BAND
BANDA 3025 - 3155 kc/s
Диапазон

REGION 2
Район 2

3032	3039	3046	3053	3060
Arge Colo B (42°0-51°0 & N -9° S) USA Alas Grön/USA Labr/USA TerN/USA Hawa Sur une base secondaire Grön	B Nica Mart Guad Arge(S-43°S) USA Alas Grön/USA Labr/USA TerN/USA Berm/USA Hawa Sur une base secondaire Grön	Arge Colo (S-5°N) Mexi Cana Hawa	Arge Cuba B (55°0-64°0 & N - 7°S) USA (0 - 98°) Cana (E-98°0) Alas Hawa	B Guad Mart Chil(S - 41° S) Mexi Cana Hawa Chil (N - 41° S) (300 W)

3067	3074	3081	3088	
Arge (S - 34°S) B (12°-21° S & 46°-53° 0) GuBr/USA PanZ Rico IOBr/USA USA Alas Grön/USA Labr/USA TerN/USA Berm/USA Hawa Guantanamo (Cuba)/USA	Arge B (E -42° & N -10°S) Colo (N - 4°N) USA Alas Grön/USA Labr/USA TerN/USA Berm/USA	GuFr Cuba Arge (S - 43°S) B (10°S - 18°S & E - 43°0) Cana Hawa	B(1) Chil (S-31°S) USA PanZ Rico Grön/USA Labr/USA Ter/USA Berm/USA Hawa Chil (N-31°S) (300 W) Guantanamo (Cuba)/USA Alas	

(1) Usage nocturne limité entre 7° et 16° sud et à l'ouest de 56° ouest
(1) With night use limited to 7° to 16° S and W of 56° W
(1) Uso nocturno limitado entre 7° S y 16° S y al W de 56° W
(1) Ночью применение ограничено в пределах между 7° и 16° S и на западе от 56° W.

BANDE
BAND
BANDA 3095 - 3155 kc/s
Диапазон

REGION 2
Район 2

3095	3102	3109	3116	3123
Arge (S-28°S) B (42°O - 57°O & N - 9° S) Mexi Cana Hawa	B Mart Guad Hond Chil (S-36°S) USA Alas Grön/USA Labr/USA TerN/USA Berm/USA Chil (N-36°S) (300 W)	Chil B (40° -50°O & 9°-17° S) USA Alas GuBr/USA PanZ/USA Rico IOBr/USA Grön/USA Labr/USA TerN/USA Berm/USA Hawa B (S-17°S) (350 W) Guantanamo (Cuba)/USA	Chil B (E-46°O & 18° - 24°S) (S-24°S - 350W) Mexi Cana	Boli GuBr/USA Arge (S - 35°S) B (E-43°O & 10°-18°S) USA Alas Grön/USA Labr/USA TerN/USA Berm/USA Hawa

3130	3137	3144	3151	
Urug Suri Cura Cuba Chil (S-41°S) (N-41°S-300W) Cana Hawa	Chili B (E-46°O & 18° - 24°S) USA Alas Grön/USA Labr/USA TerN/USA Berm/USA Hawa B (S-24°S 350 W°	Arge GuBr/USA PanZ/USA Rico/USA IOBr/USA B (E-42°O & N-10°S) USA Alas Grön/USA Labr/USA TerN/USA Berm/USA Hawa	Arge) Chil) Urug) B) (1) Boli) Colo) Cana Mexi	

(1) Stations d'aéronefs seulement
(1) Aircraft only
(1) Solo aeronaves
(1) Только самолетные станции

BANDE
BAND 3025 - 3155 kc/s
BANDA
Диапазон

REGION 3
Район

3032	3039	3046	3053	3060
Aust (500 W) NZel (1 kW) NHeb (1 kW) NCal (1 kW) Ocea (1 kW) Indo (350 W) Inde (350 W) Phil-Porto Princessa (300 W) Chin Region 5 (3 kW) JMars/USA Wake JMari/USA JCaro/USA Midw John,	AustS (500 W) NZel (1 kW) IndN (500 W) Inde (350 W) Phil Aparri (200 W) Chin Region 8 (3 kW) Indo (250 W) NCal (250 W) NHeb (250 W) Ocea (250 W)	AustS (500 W) NZel (1 kW) Fiji/NZel (1kw) IndN (500 W) Pak (250 W) Phil-Mindoro (200 W) Chin Region 5 (500 W) Iran (250 W) US Pacific Excepté Philippines et Japon (1 kW) Indo (250 W) NCal (250 W) NHeb (250 W) Ocea (250 W)	Aust (500 W) NZel (1 kW) Fiji/NZel (1kW) IndN (500 W) Saigon (250 W) Inde (350 W) Phil-Zamboanga (300 W) Chin Region 6 (3 kW) Iran (250 W) JMars/USA Wake/ JMari/USA JCaro/USA Midw John	Aust (500 W) IndN (500 W) Hanoi (500 W) Phil-Baler (200 W) Midw John

3067	3074	3081	3088	———
Aust (500 W) IndN (500 W) Indo (350 W) Iran (350 W) Manila/USA (1kW) Ryukyus/USA (1kW) JMars/USA (1 kW) Wake JMari/USA JCaro/USA Midw John J/USA (1 kW)	Aust (5 kW) Mala (2,5kW) Kong (2,5 kW) Ceyl (2,5kW) Pak E (500 W) Karachi (500 W) Chin Region 7 (3 kW) Manila/USA JMars/USA Wake JMari/USA JCaro/USA Midw John	Aust (5 kW) NZel (1 kW) Fiji/NZel (1kW) Mala (2,5kW) Ceyl (2,5kW) Kong (2,5kW) Phil-Labo (200 W) Chin Region 2 (3 kW)	Aust (1 kW) JMars/USA Wake JMari/USA JCaro/USA Midw John J/USA Phil/USA	

BANDE
BAND
BANDA 3025 ÷ 3155 kc/s
Диапазон

REGION 3
Район

3095	3102	3109	3116	3123
Aust (5 kW) NZel (1 kW) Mala (2,5 kW) Ceyl (2,5 kW) Kong (2,5 kW) Pak (250 W) Phil-Cebu (200 W) Chin Region 2 (3 kW) Fiji/NZel (1 kW)	Aust (500 W) Mala (2,5 kW) Ceyl (2,5 kW) Kong (2,5 kW) Pak (250 W) Chin Region 7 (3 kW) J/USA (1 kW) JCaro/USA (1kW) JMari/USA (1kW) JMars/USA (1kW) John (1 kW) Midw (1 kW) Phil/USA (1kW) Wake (1 kW)	AustS (500 W) IndN (1 kW) Pak C (250 W) Chin Region 3 (3 kW) Chin/USA (1 kW) J/USA (1 kW) JCaro/USA(1kW) JMari/USA (1kW) JMars/USA (1kW) John (1 kW) Midw (1 kW) Phil/USA (1 kW) Wake (1 kW)	Aust (500 W) Mala (2,5 kW) Ceyl (2,5 kW) Kong (2,5 kW) Phil-Cagayan (400 W) Misamis (400W)	AustS (500 W) NZel (1 kW) IndN (500 W) Pak (350 W) China Region 1 (3 kW) Fiji/NZel(1 kW) Chin/USA (1 kW) J/USA (1 kW) JCaro/USA (1 kW) JMari/USA (1 kW) JMars/USA (1 kW) John (1 kW) Phil/USA (1 kW) Midw (1 kW) Wake (1 kW)

3130	3137	3144	3151	
AustS (500 W) NZel (1 kW) IndN (500 W) Pak Karachi(1,5kW) Phil Cebu(300 W) Chin Region 4 (3 kW) NCal (1 kW) NHeb (1kW) Ocea (1kW)	AustS (5 kW) Phil Cebu (400 W) Chin Region 6 (3 kW) Phil/USA (1kW) JMars/USA Wake JCaro/USA Midw John IndP (100 W) TimP (100 W) JMari/USA	Aust (500 W) Chin/USA (1 kW) J/USA (1kW) JCaro/USA (1kW) JMari/USA (1kW) JMars/USA (1kW) John (1 kW) Midw (1kW) Phil/USA (1 kW) Wake (1 kW)	Aust (500 W) IndN (500 W) Phil-Cagayan (400 W) Misamis (400 W) Chin Region 4 (3 kW)	

BANDE
BAND
BANDA 4700 - 4750 kc/s
Диапазон

REGION 1
Район

4703,5	4710,5	4717,5	4724,5	4731,5
G Suez/G Malt Polo URSS-C Gibr Liby/G Chyp Iraq/G AraS/G AfrS Keny SomB Sudan URSS-SEO	G Malt Suez/G Youg URSS-E URSS-AM MarF/USA Liby/G Chyp Iraq/G AraS/G AfrS Keny SomB Sudan D/G	Holl Port URSS-E URSS-AM URSS-SEO Tuni Azor RSSU Alba Ango CapV GuiP Moza STPr SomF AEF-Ft.Lamy(1kW) Came-Douala(750W) Sur une base secondaire I F-S (300W) Alge (300 W) Mada (300 W)	D/USA Port URSS-SEO URSS-E URSS-C Azor I Egyp Ango CapV GuiP Moza STPr SomF AEF-Ft.Lamy(1kW) Came-Douala(750W) Sur une base secondaire F(Côte Occ.) (100 W) Alge (100 W) Mada (100 W)	F URSS-E URSS-C MarF Alge Tuni Liba S Bulg Tche AfrS AOF AEF Mada SomF

4738,5	4745,5
F Port Nor Bulg URSS-AM URSS-C RSSB Egyp AOF AEF AfrS Mada Azor D/F Autr/F	Polo Alge Egyp Suis AEF AOF Came Mada MarF Reun SomF Togo Tuni *URSS-SEO Sur une base secondaire Port (400 W) I-S

* Cette fréquence sera aussi utilisée dans la zone d'occupation de l'U.R.S.S. en Allemagne.

* This frequency will also be used in U.S.S.R. zone of Germany.

* Esta frequencia sera usada también en la zona ocupada en Alemania por la U.R.S.

* Эта частота будет применяться также в советской оккупационной зоне Германии.

REGION 2
Район 2

BANDE
BAND
BANDA 4700 - 4750 kc/s
Диапазон

4703,5	4710,5	4717,5	4724,5	4731,5
Cana Mexi Chil (S-33°S) B (E-57°O) Hawa Chil (N-33°S 300 W)	USA Guantanamo (Cuba)/USA IOBr/USA GuBr/USA PanZ Rico Chil (S-41°S) Grön/USA TerN/USA Alas Labr/USA Berm/USA B (E-46° O & 3°S-13°S-300W)	USA Arge Colo Grön/USA TerN/USA Labr/USA Berm/USA Hawa	USA Guantanamo (Cuba)/USA IOBr/USA GuBr/USA PanZ Rico Arge Alas (1 kW) Grön/USA TerN/USA Berm/USA	GuFr Grön/USA Guad Mart TerN/USA Cuba (750 W) Labr/USA Berm/USA Urug Hawa USA (excepté E-98°O & S-36°N) Alas Nica (300 W) Sur une base secondaire Grön

4738,5	4745,5	———	———	———
Cana Mexi Guad (300 W) Mart (300 W) B Arge (S-45°S) Hawa	USA (excepté Florida) Florida (300 W) Chil Hond (300 W) Grön/USA TerN/USA Berm/USA Hawa Urug (100 W) Sur une base secondaire Grön			

BANDE
BAND
BANDA
Диапазон 4700 - 4750 kc/s

REGION 3
Район

4703,5	4710,5	4717,5	4724,5	4731,5
Ceyl (2,5 kW) Mala (2,5 kW) Kong (2,5 kW) AustS (500 W) PhilS (400 W) Pak E & N.O (400 W) NZel (1kW) Fiji/NZel (1kW) IndP (100 W) TimP (100 W) Maca (100 W) Chin Region 2 (1kW) John JCaro/USA JMari/USA JMars/USA Midw Wake	Aust (500 W) NZel (1 kW) Fiji/NZel (1kW) Inde (350 W) IndN (500 W) Indo (1kW) Chin/USA (5kW) J/USA (5kW) JCaro/USA (5kW) JMari/USA (5kW) JMars/USA (5kW) John (5kW) Midw (5kW) Phil/USA (5kW) Wake (5kW)	Mala (2,5 kW) Kong (2,5 kW) Aust (5kW) Phil-Cebu(300 W) Pak E (400 W) Karachi(1,5 kW) Ceyl (2,5 kW) JMari/USA JMars/USA John Wake Midw	AustS (excepté Brisbane(500W) Pak (400 W) Java 0 (1kW) IndP (100 W) TimP (100 W) Indo (1kW) NCal (1kW) NHeb (1kW) Ocea (1kW) Chin/USA (3kW) J/USA (3kW) JCaro/USA (3kW) JMari/USA (3kW) JMars/USA (3kW) John (3kW) Midw (3kW) Phil/USA (3kW) Wake (3kW)	AustS (500 W) Chin (3kW) Inde (excepté Sadhiya(350W) IndN (1kW) JMari/USA JMars/USA John Wake Midw NCal (500 W) NHeb (500 W) Ocea (500 W)

4738,5	4745,5	———	———	———
Aust NZel Fiji/NZel JMari/USA (1kW) JCaro/USA (1kW) Chin Regions 4, 5 & 6 (3kW) Inde (8-30° N & 0-90° E) (350 W) Mala (2,5 kW) JMara/USA John Wake Midw J/USA (1kW)	Aust (5kW) Phil N (400 W) NZel (1kW) Fiji/NZel (1kW) Inde (350 W) Iran (500 W) Indo (500 W) JMari/USA JMars/USA John Wake Midw			

BANDE
BAND 5680 - 5730 kc/s
BANDA
Диапазон

REGION 1
Район

5688	5695,5	5703	5710,5	5718
G RSSB Alba URSS-C (500 W) URSS-AM(500 W) Port Egyp Azor Ango CapV GuiP Moza STPr URSS-SEO(500 W) URSS-E (500 W) D/G	G Gibr Malt Liby/G Chyp Tche URSS-E Iraq Suez/G SomB AfrS AraS/G(0-55°E) (500 W) Keny Sudan AOF(0-0°)(750 W) AEF (S-5°N) (750 W) Came-Douala(750W) Mada (N-20°S) (750 W) URSS-SEO (1kW)	Holl Port Youg RSSB URSS-E Egyp Azor AOF AEF Togo Came Mada SomF URSS-SEO (1kW) Sur une base secondaire Alge-Oran(300W) MarF (300 W)	F MarF Alge Tuni Polo Nor Syri URSS-AM(50W) Iraq AfrS AEF AOF Came Mada Reun SomF Togo	F MarF Alge Tuni Egyp Bulg URSS-E URSS-AM URSS-C URSS-SEO(50W) AfrS AEF AOF Came Mada Reun SomF Togo D/F Autr/F

5725,5	
I *URSS-E URSS-C (1kW) Egyp Isla AfrS RSSU AOF (750 W) AEF (S-12°N) (750 W) Came (750 W) Mada (N of 20°S) (750 W) S Sur une base secondaire Port (400 W) MarF (300 W) Alge (300 W)	* Cette fréquence sera aussi utilisée dans la zone d'occupation de l'U.R.S.S. en Allemagne. * This frequency will also be used in the U.S.S.R. occupation zone of Germany. * Esta frecuencia sera usada también en la zona ocupada en Alemania por la U.R.S.S. * Эта частота будет применяться также в советской оккупационной зоне Германии.

BANDE
BAND
BANDA
Диапазон 5680 - 5730 kc/s

REGION 2
Район

5688	5695,5	5703	5710,5	5718
Cana Mexi Cura) Suri) (500 W) Arge (S-36°S)	USA Boli Arge (S-41°S) Alas (1kW) Berm/USA Grön/USA Labr/USA TerN/USA	Cana Mexi Colo Arge	USA Alas Guad (300 W) Mart (300 W) B (E-55° O) Chil Colo Grön/USA TerN/USA Lab/USA	Cana Cuba (400 W) B Chil (S-41°S) Chil (N-41°S) (300 W)

5725,5	———	———	———	———
USA Alas GuBr/USA PanZ Chil Berm/USA Grön/USA TerN/USA Labr/USA B, excepté N-8° S & O-47°O(350 W) Urug (100 W) Guantanamo (Cuba)/USA IOBr/USA Rico				

BANDE
BAND
BANDA
Диапазон 5680 - 5730 kc/s

REGION 3
Район

5688	5695,5	5703	5710,5	5718
Chin (regions 4,5 & 6)(1kW) Phil S (400 W) NCal (500 W) NHeb (500 W) Ocea (500 W) Aust (500 W) IndN (Java & Sumatra)(1kW) Inde (S-30° N) (350 W) JMari/USA (1kW) Wake (1kW)	Aust (5kW) Mala (2,5 kW) Ceyl (2,5 kW) Kong (2,5 kW) Pak (500 W) NZel (1kW) Fiji/NZel (1kW)	Aust S (500 W) Phil N (400 W) Phil(Cebu)(400W) IndN (500 W) Inde (350 W) NZel (1kW) Fiji/NZel (1kW) Iran (500 W) Maca (100 W)	Chin (3kW) Phil S(400 W) Aust S(500 W) Mala (2,5 kW) IndP (100 W) TimP (100 W)	Indo (500 W) Aust (5kW) Chin/USA (1kW) J/USA (1kW) JCaro/USA (1kW) JMari/USA (1kW) JMars/USA (1kW) John (1kW) Midw (1kW) Phil/USA (1kW) Wake (1kW) NZel (1kW) Fiji/NZel (1kW) Pak (Karachi)

5725,5				
Indo (500 W) NCal (500 W) NHeb (500 W) Ocea (500 W) Aust (1kW) Inde (350 W) Chin/USA (1kW) J/USA (1kW) JCaro/USA(1kW) JMari/USA(1kW) JMars/USA(1kW) John (1kW) Midw (1kW) Phil/USA (1kW) Wake (1kW)				

BANDE
BAND
BANDA
Диапазон

6685 - 6765 kc/s

REGION 1
Район

6685 (A1)	6687,5 (A1)	6693	6700,5	6708
Port Nor Suis *URSS-AM URSS-SEO URSS-C AraS/G(S-20°N) Ango CapV GuiP Moza STPr	G Alba Finl Egyp Azor AfrS Youg	G Bulg Gibr Malt Chyp Liby/G Suez/G Iraq/G SomB AraS/G Keny Sudan/G URSS-SEO	G D/G Gibr Malt Chyp Liby/G Suez/G Iraq/G SomB Keny Sudan/G AraS/G(2,5 kW) URSS-SEO (1kW)	G Youg URSS-E URSS-SEO (1kW) Malt Chyp Liby/G Suez/G Iraq/G SomB Keny Sudan AfrS

6715,5	6723	6730,5	6738	6745,5
F D/F Autr/F Alge Tuni MarF URSS AEF AOF Came Mada Reun SomF Togo	Holl MarF/USA Egyp (1kW) URSS-E URSS-C (1kW) AfrS ========== Sur une base secondaire I (100 W)	Port D/USA Roum Isla URSS-AM(500W) Syri (300 W) Azor Dnk (300 W) Ango CapV GuiP Moza STPr	G Tche MarF URSS-C (1kW) Egyp (1kW)	F Alge Tuni MarF Finl Polo Egyp URSS-E URSS-SEO AEF AOF Came Mada Reun SomF Togo

* Cette fréquence sera aussi utilisée dans la zone d'occupation de l'U.R.S.S. en Allemagne.
* This frequency will also be used in the U.S.S.R. occupation zone of Germany.
* Esta frecuencia sera usada también en la zona ocupada en Alemania por la U.R.S.S.
* Эта частота будет применяться также в советской оккупационной зоне Германии.

BANDE
BAND
BANDA
Диапазон

6685 - 6765 kc/s

REGION 1
Район

6753	6760,5	———	———	———
F Alge Tuni MarF Egyp (500 W) URSS-E AEF AOF Came Mada Reun SomF Togo	Isla F Alge Tuni MarF RSSB RSSU AOF AEF Came Togo Mada URSS-C URSS-AM(1kW) AraS/G (S-20°N)			

———	———	———	———	———

BANDE
BAND
BANDA
Диапазон 6685 - 6765 kc/s

REGION 2
Район

6685 (A1)	6637,5 (A1)	6693	6700,5	6708
Cana Mexi B	USA B Alas Nica (300 W)	Cana Mexi GuFr Guad Mart Arge	USA Guantanamo (Cuba)/USA Arge PanZ Rico GuBr/USA IOBr/USA Hawa Berm/USA Grön/USA Labr/USA TerN/USA Sur une base secondaire Grön	Cana B Cuba

6715,5	6723	6730,5	6738	6745,5
Cana Mexi B	USA Alas Arge GuBr/USA PanZ Grön/USA Labr/USA TerN/USA Berm/USA Guantanamo (Cuba)/USA IOBr/USA Rico	USA Alas Arge PanZ GuBr/USA Grön/USA Labr/USA TerN/USA Berm/USA Guantanamo (Cuba)/USA IOBr/USA Rico	USA Alas Hond Chil Hawa Berm/USA Colo (100 W) Urug (100 W)	Cana Cuba Boli Chil(S-33°S) (100 W) Guad (100 W) GuFr (100 W) Mart (100 W)

BANDE
BAND
BANDA
Диапазон 6685 - 6765 kc/s

REGION 2
Район

6753	6760,5	———	———	———
Cana Mexi B Chil (S-41°S) (300 W)	Alas USA Cura Arge Hawa Berm/USA			

———	———	———	———	———

BANDE
BAND
BANDA
Диапазон 6685 - 6765 kc/s

REGION 3
Район

6685 (A1)	6687,5 (A1)	6693	6700,5	6708
Kong Mala Ceyl Indo (500 W) Aust (500 W)	Fiji/NZel (1kW) Aust S (500 W) Inde (350 W) NCal) NHeb)(500 W) Ocea) Chin/USA (3kW) J/USA (3kW) JCaro/USA (3kW) JMari/USA (3kW) JMars/USA (3kW) John (3kW) Midw (3kW) Phil/USA (3kW) Wake (3kW)	NZel (1kW) Fiji/NZel (1kW) Aust (5kW) Mala Ceyl Kong Indo (N-25°N & E-75°E)	Phil S (400 W) Aust (5kW) Mala (2,5 kW) Ceyl (2,5 kW) Kong (2,5 kW) Pak (400 W)	NZel (1kW) Fiji/NZel(1kW) Aust S (500 W) IndN (1kW) Ceyl (250 W) Pak (1kW) Maca(100 W)

6715,5	6723	6730,5	6738	6745,5
Phil S (400 W) NZel (1kW) Fiji/NZel (1kW) Aust (500 W) excepté Darwin IndN-Java IndP (100 W) TimP (100 W) Chin Regions 4, 5 & 6 (1kW)	NZel (1kW) Fiji/NZel (1kW) Aust excepté Pt.Moresby(1kW) Mala (2,5 kW) Inde (500 W) Chin/USA (3kW) J/USA (3kW) JCaro/USA (3kW) JMari/USA (3kW) JMars/USA (3kW) John (3kW) Midw (3kW) Phil/USA (3kW) Wake (3kW)	Inde (S of 30°N) Mala (2,5 kW) Aust (5kW) excepté Pt.Moresby Papu Pt.Moresby (500 W) Chin/USA (3kW) J/USA (3kW) JCaro/USA (3kW) JMari/USA (3kW) JMars/USA (3kW) John (3kW) Midw (3kW) Phil/USA (3kW) Wake (3kW)	Aust (1kW) Mala (2,5 kW) Pak-Karachi (400 W) Chin (3kW) Ceyl (2,5 kW) NCal) NHeb)(1kW) Ocea)	Indo (500 W) Iran (500 W) Phil (400 W) NZel (1kW) Fiji/NZel (1kW) Aust (5kW) excepté Darwin Inde (500 W)

BANDE
BAND
BANDA
Диапазон 6685 - 6765 kc/s

REGION 3
Район

6753	6760,5	———	———	———
Indo (1kW) Phil-Cebu (400 W) Chin/USA (1kW) J/USA (1kW) JCaro/USA (1kW) JMari/USA (1kW) JMars/USA (1kW) John (1kW) Midw (1kW) Wake (1kW) NZel (500 W) Aust (500 W) excepté Brisbane et Pt. Moresby Java (500 W) Inde (500 W) excepté Sadhiya NCal) NHeb)(1kW) Ocea)	JMari/USA JCaro/USA JMars/USA Wake Aust (500 W) excepté Darwin Mala (1kW) IndP (100 W) TimP (100 W) Chin (1kW) Regions 4,5&6 Midw John J/USA			

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BANDE
BAND
BANDA
Диапазон

8965 - 9040 kc/s

REGION 1
Район

8967	8975,5	8984	8992,5	9001
G AfrS AraS/G Chyp D/G Gibr Iraq/G Keny Liby/G Malt SomB Sudan Suez/G	URSS Azor AfrS MarF/USA(1kW)	F Alge Liba URSS-AM AEF AOF Came Mada MarF Reun SomF Togo Tuni	Polo (500 W) Port Azor URSS-E URSS-SEO(50W) Ango CapV GuiF Moza STPr	Holl Nor Egyp RSSB AEF Come Mada Reun ===== Sur une base secondaire MarF (300 W) AOF (300 W) Alge-Oran (100 W) Tuni (100 W)

9009,5	9018	9026,5	9035	———
G Bulg Youg URSS-SEO AEF (500 W) Came (500 W) Mada (500 W) Reun (500 W) ===== Sur une base secondaire AOF	F RSSU AEF AOF Came Alge Mada MarF Reun SomF Togo Tuni	Egyp Tche Mada (400 W) Reun (400 W) URSS-AM URSS-C AOF-Dakar(400 W) AEF-Brazzaville (400 W) D/USA ===== Sur une base secondaire MarF-Rabat (300 W)	I Dnk Polo MarF/USA	

BANDE
BAND
BANDA — 8965 - 9040 kc/s

Диапазон

REGION 2
Район

8967	8975,5	8984	8992,5	9001
Cana Mexi B Hawa	USA (1kW) Arge Cura Suri	USA Hawa Berm/USA Alas Arge Grön Guantanamo (Cuba)/USA GuBr/USA IOBr/USA PanZ Rico	Cana Mexi Chil Guad GuFr Mart	USA Cuba (300 W) B Alas

9009,5	9018	9026,5	9035	——
Cana Mexi B	Alas Hawa Cuba Boli Chil(S-41°S) (300 W)	USA Guantanamo (Cuba)/USA IOBr/USA GuBr/USA PanZ Rico Berm/USA Grön/USA(750W) Labr/USA(1kW) TerN/USA(1kW) Alas Arge Sur une base secondaire Grön	Alas USA Colo (300 W) Chil TerN/USA Labr/USA Urug (100 W)	

BANDE
BAND
BANDA
Диапазон 8965 - 9040 kc/s

REGION 3
Район

8967	8975,5	8984	8992,5	9001
Aust NZel Fiji/NZel Midw Ceyl Kong Mala	Aust Ceyl Indo	Indo JMars/USA Wake Aust (500 W)	Inde Phil NZel Fiji/NZel	Inde Phil Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Wake

9009,5	9018	9026,5	9035	——
Iran IndN NZel Fiji/NZel	Chin Pak 0 Mala John (1kW) Aust-Darwin (500 W) NCal NHeb Ocea	IndP Kong Mala Aust(500 W) Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	Pak TimP ChinN Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	

BANDE
BAND
BANDA 11175 - 11275 kc/s
Диапазон

REGION 1
Район

11180,5	11190	11199,5	11209	11218,5
Nor Port (250 W) Pol Azor Ango CapV GuiP Moza STPr Egyp	URSS MarF Alge AOF AEF Came Mada Reun SomF	G AraS/G Chyp D/G Gibr Iraq/G Keny Liby/G Malt SomB Sudan Suez/G	F AEF AOF Came Alge Mada MarF Reun SomF Togo Tuni URSS-SEO	F AEF AOF Came Alge Mada MarF Reun SomF Togo Tuni Autr/F D/F

11228	11237,5	11247	11256,5	11266
D/USA MarF/USA ========== Sur une base secondaire Egyp(300 W)	URSS AfrS ========== Sur une base secondaire MarF(500 W) Alge(500 W) Tuni(500 W) AOF (500 W)	G Dnk URSS-AM URSS-SEO Gibr Malt Chyp(500 W) Liby/G Suez/G	Holl URSS-E URSS-SEO URSS-AM URSS-C RSSU	Port MarF/USA URSS-E(500 W) Azor D/USA ========== 11273(A1) Roum Bulg URSS-AM URSS-E URSS-C ========== Sur une base secondaire MarF (500 W) Alge (500 W) AOF (500 W) AEF (500 W) Mada (500 W) Reun (500 W)

BANDE
BAND
BANDA
Диапазон 11175 - 11275 kc/s

REGION 2
Район

11180,5	11190	11199,5	11209	11218,5
Alas USA Arge Cura Colo	Mexi Chili TerN/USA (1kW) Lab/USA (1kW)	USA Hawa Berm/USA B	Cana Cuba Arge	Guad Gu[illegible] Mart Hawa USA Alas Labr/USA TerN/USA Grön/USA Berm/USA Arge **sur une base secondaire** Grön

11228	11237,5	11247	11256,5	11266
USA Guantanamo (Cuba)/USA GuBr/USA IOBr/USA PanZ Alas Berm/USA Grön/USA Hawa Rico TerN/USA Chil Labr/USA	Mexi Arge TerN/USA (1kW) Labr/USA (1kW) Berm/USA (1kW)	Cana (350 W) Mexi (400 W) B	USA B	Arge Alas USA Labr/USA TerN/USA Grön/USA Guantanamo (Cuba)/USA GuBr/USA IOBr/USA Rico GuBr/USA PanZ Berm/USA **11273 (A1)** Cana Mexi (400 W) B

BANDE
BAND
BANDA 11175 - 11275 kc/s
Диапазон

REGION 3
Район

11180,5	1190	11199,5	11209	11218,5
Inde Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	IndN	Aust Midw Ceyl Mala Kong	Aust Indo	Indo NCal NHeb Ocea Midw

11228	11237,5	11247	11256,5	11266
Pak Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	Phil Aust (500 W)	Aust Mala Kong Ceyl	IndN	Inde Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake 11273 (A1) Phil

BANDE
BAND
BANDA 13200-13260 kc/s
Диапазон

REGION 1
Район

13205,5	13215,5	13225,5	13235,5	13245,5
G Aras/G Chyp D/G Gibr Iraq/G Keny Liby/G Malt SomB Sudan Suez/G	D/USA MarF/USA Egyp ========== Sur une base secondaire AOF Dakar (1 kW) Came Douala (1 kW) AEF Brazzaville & Bangui (1kW) Mada (1 kW) Reun (1 kW)	URSS AOF) AEF) Came) Alge) Mada) Mart) (300W) Reun) SomF) Togo) Tuni)	F AEF AOF Came Mada Mart Reun SomF Togo Tuni Autr/F D/F URSS-AM(100W) Alge	URSS Polo AOF-Sakar(750W) Came- Douala (750W) AEF- Brazzaville (750W) AEF- Bangui (750W) Mada (750W) Reun (750W)

13255,5	———	———	———	———
Nor Port Ango CapV GuiP Moza STPr Roum Holl Azor				

BANDE
BAND
BANDA 13200-13260 kc/s
Диапазон

REGION 2
Район

13205,5	13215,5	13225,5	13235,5	13245,5
Arge Mexi Cura (300 W) Hawa (1 kW) Alas	USA GuBr/USA IOBr/USA PanZ Alas Berm/USA Grön/USA Hawa Rico TerN/USA Arge (300 W) Labr/USA Guantanamo (Cuba)/USA	Cana (350 W) Cuba (350 W) B	Berm/USA (300 W) Grön/USA (300 W) TerN/USA (400 W) Lab/USA (400 W) Alas USA GuBr/USA IOBr/USA PanZ Rico Arge (300 W) Guad GuFr Mart Guantanamo (Cuba)/USA	USA B Lab/USA (1kW) TerN/USA (1kW) Berm/USA (1kW)

13255,5	———	———	———	———
Cana Mexi Arge Hawa				

BANDE
BAND
BANDAS 13200-13260 kc/s
Диапазон

REGION 3
Район

13205,5	13215,5	13225,5	13235,5	13245,5
Ceyl Kong Mala Aust Midw (1 kW) John (1 kW)	Pak Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Chil/USA Wake	Aust (500 W) Indo (100 W)	Indo NCal NHeb Ocea Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	China/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Wake Phil

13255,5	———	———	———	———
IndN Inde Midw John				

BANDE
BAND
BANDA 15010 - 15100 kc/s
Диапазон

REGION 1
Район

15016	15026	15036	15046	15056
D/USA MarF/USA	URSS Ango CapV GuiP Moza STPr Azor	URSS AOF AEF Came Mada Reun ===== Sur une base secondaire Algé (200W) MarF (200W)	G	Nor AfrS MarF/USA

15066	15076	15086	15092,5(A1)	15096,5 (A1)
F AEF AOF Came Algé Mada MarF Reun SomF Togo Tuni URSS-AM (5CW) URSS-SEO	F AEF AOF Came Algé Mada MarF Reun SomF Togo Tuni Autr/F D/F	URSS Polo (500W) Dnk	URSS-SEO G	Holl

BANDE
BAND
BANDA 15010 - 15100 kc/s
Диапазон

REGION 2
Район

15016	15026	15036	15046	15056
Guantanamo (Cuba)/USA GuBr/USA IOBr/USA PanZ Rico USA Alas Arge (S-30°S) (300W) Bra/USA Grön/USA Hawa TerN/USA Labr/USA	Chil Mexi (N-19°N) (400W)	B Mexi (N-19°N) (300W) Labr/USA TerN/USA Grön/USA	Arge Cuba (300W) Alas (1 kW)	USA Arge (300W) Alas Berm/USA

15066	15076	15086	15092,5 (A1)	15096,5(A1)
USA Guantanamo (Cuba)/USA GuBr/USA IOBr/USA PanZ Rico Chil (300W) Berm/USA	USA Alas Arge (300W)	Mexi B (S-5°S E-55°O) (300W) Hawa (1kW)	B Mexi (N-19°N) (300W)	USA Cura Alas Arge (300W)

BANDE
BAND
BANDA 15010 - 15100 kc/s
Диапазон

REGION 3
Район

15016	15026	15036	15046	15056
Chin/USA J/USA ICaro/USA JMari/USA IMars/USA John Midw Phil/USA Wake	IndP Maca TimP	———	Pak Aust	Inde Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake

15066	15076	15086	15092,5(A1)	15096,5(A1)
Austr Indo(1) (50W)	Inde NCal NHeb Ocea Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	Aust (50W)	Phil (300W)	IndN

(1) Stations d'aéronefs seulement
(1) Aircraft only
(1) Solo aeronaves
(1) Только самолетные станции.

BANDE
BAND
BANDA 17970 - 18030 kc/s
Диапазон

REGION 1
Район

17975 (A1)	17983,5	17993,5	18003,5	18013,5
I Ango CapV GuiP Moza STPr Azor URSS (50W) D/USA Marf/USA	G AraS/G Chyp D/G Gibr Iraq/G Keny Liby/G Malt SomB Sudan Suez/G	F AEF AOF Came Alge Mada MarF Reun SomF Togo Tuni D/F Autr/F Holl	URSS Polo	F AEF AOF Came Alge Mada MarF Reun SomF Togo Tuni D/USA MarF/USA

18023,5	———	———	———	———
URSS				

BANDE
BAND
BANDA
Диапазон 17970 - 18030 kc/s

REGION 2
Район

17975 (A1)	17983,5	17993,5	18003,5	18013,5
USA Arge (300 W) Alas Hawa (1 kW) Grön/USA TerN/USA Labr/USA Berm/USA	B Alas	Arge Guad GuFr Mart Alas	Arge Mexi	USA GuBr/USA IoBr/USA PanZ Rico Alas Berm/USA Grön/USA Hawa TerN/USA Chil (300W) Labr/USA Guantanamo (Cuba)/USA

18023,5	———	———	———	———
USA (1 kW) B Grön/USA (1 kW) TerN/USA (1 kW) Labr/USA (1 kW) Berm/USA (1 kW)				

BANDE
BAND
BANDA — 17970 - 18030 kc/s
Диапазон

REGION 3
Район

17975 (A1)	17983,5	17993,5	18003,5	18013,5
IndP Maca TimP	Ceyl Kong Mala Aust Pak	Indo NCal NHeb Ocea Chin/USA J/USA JCaro/USA JMari/USA John Midw Phil/USA Wake	Aust (400W)	Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake

18023,5	———	———	———	———
IndN				

BANDE
BAND
BANDA 3900 - 3950 kc/s
Диапазон

REGION 1
Район

3904	3911	3918	3925	3932
URSS-E URSS-SEO (1 kW) URSS-AM Youg D/G Ital Arge Braz MarF Alge Tuni AOF AEF Mada Came	G MarF URSS-E URSS-SEO Youg F AEF AOF Mada Egyp RSSB (500 W)	URSS-E URSS-SEO URSS-AM Alba G F Alge MarF AfrS Egyp RSSU (500W)	G F Port D/G Malt Egyp URSS-SEO URSS-E Azor	G *URSS-E URSS-SEO Autr/F AfrS MarF Alge Tuni AOF AEF Mada Came SomF Sur une base secondaire Roum (0-25°E) (100 W)

3939	3946	———	———	———
Polo G URSS-SEO *URSS-C	Alge MarF URSS-E URSS-SEO Polo Nor F AfrS			

* Cette fréquence sera aussi utilisée dans la zone d'occupation de l'U.R.S.S. en Allemagne.
* This frequency will also be used in the U.S.S.R. occupation zone of Germany.
* Esta frecuencia sera usada también en la zona ocupada en Alemania por la U.R.S.S.
* Эта частота будет применяться также в советской оккупационной зоне Германии.

BANDE
BAND
BANDA 23200 - 23350 kc/s
Диапазон

REGION 1
Район

A	B	C	D	E
F MarF Alge Tuni AOF AEF Mada SomF	Holl	D/USA MarF/USA	F Alge	D/USA MarF/USA

———	———	———	———	———

BANDE
BAND
BANDA 23200 - 23350 kc/s
Диапазон

REGION 2
Район

A	B	C	D	E
Arge	Alas Hawa Suri Cura	USA Guantanamo (Cuba)/USA GuBr/USA IoBr/USA PanZ Alas Berm/USA Grön/USA Hawa Rico TerN/USA Labr/USA	Alas Hawa	USA GuBr/USA IoBr/USA PanZ Alas Berm/USA Grön/USA Hawa Rico TerN/USA Labr/USA Guantanamo (Cuba)/USA

F	——	——	——	——
Hawa				

BANDE
BAND
BANDA 23200 - 23350 kc/s
Диапазон

REGION 3
Район

A	B	C	D	E
Indo	IndN Midw John	Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake

F	——	——	——	——
Chin/USA J/USA JCaro/USA JMari/USA JMars/USA John Midw Phil/USA Wake				

BANDE
BAND
BANDAS 3155-3200, 3200-3230 & 3800-3900 kc/s
Диапазон

REGION 1
Район

A	B	C	D	E
G Malt	G Malt	Holl	F Nor Port Ango CapV GuiP Moza STPr	F Holl AEF AOF Came Alge Mada MarF Reun SomF Togo Tuni

F	G	———	———	———
D/F F Alge MarF Tuni AEF AOF Mada SomF	D/USA F Alge MarF Tuni AEF AOF Mada SomF			

BANDE
BAND
BANDA 2505-2850, 3155-3200 & 3200-3230 kc/s
Диапазон

REGION 2
Район

POUR DES ACCORD REGIONAUX
FOR REGIONAL AGREEMENTS
POR ACUERDOS REGIONALES
ДЛЯ РЕГИОНАЛЬНЫХ СОГЛАШЕНИЙ

BANDE
BAND
BANDA 3155-3200, 3200-3230 & 3900-3930 kc/s
Диапазон

REGION 3
Район

3155-3200				
a	b	c	d	e
Indo (1 kW) NCal (1 kW) NHeb (1 kW) Ocea (1 kW) Phil N (300W) Aust (5 kW)	Ceyl (2,5 kW) Mala (2,5 kW) Kong (2,5 kW) Phil S (300 W) Aust (500 W)	IndP (100 W) TimP (100 W) Maca (100 W) Phil S (300 W) Aust S (500 W)	Indo (1 kW) NCal (1 kW) NHeb (1 kW) Ocea (1 kW) Phil N (300W) Aust (500 W)	Ceyl (2,5 kW) Mala (2,5 kW) Kong (2,5 kW) Phil S (300W) Aust (500 W)

3200-3230	3900-3950			
a	a	b	c	——
Phil N (300 W) Aust (500 W)	Phil S (300 W) Aust	Phil S (300 W) Aust	Phil N (300 W) Aust	

BANDE
BAND
BANDA 4750-4850 kc/s
Диапазон

REGION 1
Район

A	B	C	D	E
G Malt ~~Suez/A~~ Port Bucarest (500 W)	G MarT I	G Suez/G Alge Youg	F MarF ~~Egyp~~	F MarF Alge ~~Port~~ S

BANDE
BAND
BANDA 4438 - 4650 kc/s
Диапазон

REGION 2
Район

A	B	C	D	E
Cana Mexi B Arge (S-45°S)	USA Grön/USA TerN/USA Alas Hawa Berm/USA Arge Guantanamo (Cuba)/USA GuBr/USA IOBr/USA PanZ Rico	Arge Colo USA Alas B (N-10° S) et E-50°O)	Mexi Cana Chil B (excepté S Rio Grande) Cuba (E-Santa Clara) (500W)	B Mexi Cana Chil (S-35° S)

F	G	———	———	———
Arge USA Alas Hawa TerN/USA Berm/USA Guantanamo (Cuba)/USA GuBr/USA IOBr/USA PanZ Rico	Arge B (N-15° S) Guad Mart Nica USA Alas Hawa			

BANDE
BAND
BANDA 5430 - 5480 kc/s
Диапазон

REGION 1
Район

A	B	C	———
Holl Port Yougs Açor Egyp Sur une base secondaire F (1 à 5 0) (100W) MarF (100W) Alge (100W) Tuni (100W)	F MarF Tuni Alge Açor Egyp Made Reun SomF Togo Roum (100W)	Suis G I (35-40°N) (100W)	

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BANDE
BAND
BANDA 5430 - 5480 kc/s
Диапазон

REGION 3
Район

a	b	c	———
Ceyl Mala Kong Pak Phil S Aust NZel Fiji/NZel	Indo (500 W) NCal (500 W) NHeb (500 W) Ocea (500 W) Inde (500 W) IndN (500 W) Maca (100 W) TimP (100 W) Phil (200 W)	Chin (1 kW) IndP (100 W) Aust (500 W) J/USA J/Caro/USA JMari/USA JMars/USA John Midw Phil/USA Wake	

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