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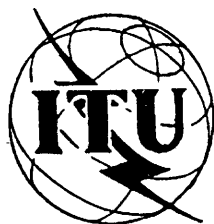
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SPECIAL REGIONAL CONFERENCE

GENEVA 1960

FINAL ACTS



**PUBLISHED BY THE GENERAL SECRETARIAT
OF THE INTERNATIONAL
TELECOMMUNICATION UNION - GENEVA**

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N. B. The Plans are established as follows :

1. by increasing order of frequency
2. for any given frequency, in the alphabetical order of the Country-designators (column 4b).

REGIONAL AGREEMENT FOR THE USE OF FREQUENCIES
IN THE BANDS 68-73 Mc/s AND 76-87.5 Mc/s BY THE
BROADCASTING SERVICE ON THE ONE HAND AND BY THE FIXED
AND MOBILE SERVICES ON THE OTHER, ENTERED INTO BETWEEN
THE ADMINISTRATIONS OF THE FOLLOWING COUNTRIES

Albania (People's Republic of), Austria, Bielorussian Soviet Socialist Republic, Bulgaria (People's Republic of), Denmark, France, Greece, Hungarian People's Republic, Italy, Norway, Poland (People's Republic of), Federal Republic of Germany, Federal People's Republic of Yugoslavia, Ukrainian Soviet Socialist Republic, Roumanian People's Republic, Sweden, Swiss Confederation, Czechoslovakia, Turkey, Union of Soviet Socialist Republics.

PREAMBLE

1. The Delegates of the Administrations of the above-mentioned countries (their signatures follow hereinafter), meeting in Geneva for a Special Regional Conference convened under the terms of No. 250 of the Radio Regulations, Geneva, 1959, have adopted the following provisions for the bands 68-73 Mc/s and 76-87.5 Mc/s, subject to approval of this Agreement including its annexes by their Administrations.

ARTICLE 1

DEFINITIONS

2. Agreement : the Geneva Regional Agreement for the use of frequencies between 68 and 73 Mc/s and 76 and 87.5 Mc/s by the broadcasting service on the one hand, and by the fixed and mobile services on the other including the annexes thereto.
3. Plans : the Geneva V. H. F. plans for the sound broadcasting and television services contained in Annex 2 to the present Agreement.
4. Associated Agreement : the Agreement to be found in Annex 1 to the present Agreement.
5. Reception Area : the area defined by the distance from the transmitter where the minimum field to be protected is obtained according to the technical standards contained in Annex 3 to the present Agreement.

ARTICLE 2

EXECUTION OF THE AGREEMENT

General

6. 1. The Contracting Administrations hereby adopt, and undertake to apply, the provisions set forth in this Agreement.
7. 2. The clauses of this Agreement shall be binding in relationships between Contracting Administrations, but not between Contracting Administrations and Administrations which have not acceded to this Agreement.
8. 3. Should the need arise, the Contracting Administrations shall agree on action to reduce any harmful interference which might be caused by application of the Plans and Associated Agreement.
9. 4. Should no agreement, as described in paragraph 3 above, prove possible, the dissenting Administrations may follow the procedure laid down in Article 15 of the Radiò Regulations, Geneva, 1959, or, if appropriate, that described in Article 27 of the International Telecommunication Convention, Geneva, 1959 (see Article 5, paragraph 2).

Plans for broadcasting stations

10. 5. The Administrations of the People's Republic of Albania, the People's Republic of Bulgaria, the Hungarian People's Republic, the People's Republic of Poland, the Roumanian People's Republic, and Czechoslovakia, hereby undertake to use frequencies for their broadcasting stations from the bands 68-73 Mc/s and 76-87.5 Mc/s in the particular area concerned, only subject to the conditions set forth in the Plans and in Article 5 of this Agreement.

Agreement concerning the fixed and mobile services

11. 6. The Administrations of Austria, Denmark, France, Greece, Italy, Norway, Federal Republic of Germany, Sweden, Swiss Confederation, Turkey and the Federal People's Republic of Yugoslavia hereby undertake to abide by the provisions of Article 5 below, to avoid harmful interference in the reception areas of the stations shown in the Plans.

ARTICLE 3

ACCESSION TO THE AGREEMENT

12. Any Administration of an I. T. U. Member-country in Region 1 which has not signed this Agreement may accede thereto at any time. Such accession shall be made without reservation; the Secretary-General shall be informed thereof, and he shall inform the other Region 1 Members. Accession to the Agreement shall take effect on the day of receipt by the Secretary-General.

ARTICLE 4

NOTIFICATION OF FREQUENCY ASSIGNMENTS

13. When a frequency from the bands in question is assigned to a broadcasting, fixed or mobile station, it shall be notified to the I. F. R. B. in accordance with Article 9 of the Radio Regulations, Geneva, 1959, in all cases where the effective radiated power of the station is more than 100 watts.

14. Frequency assignments relating to stations having an effective radiated power of 100 watts or less shall be notified to the I. F. R. B. in all cases where the application of the technical bases, contained in Annex 3 to the present Agreement, shows that there is a probability of harmful interference.
15. The assignments made in accordance with the provisions of the present Agreement shall enjoy international protection, within the reception areas as defined in Article 1, in conformity with the provisions of the Radio Regulations, Geneva, 1959.

ARTICLE 5

MODIFICATIONS TO THE CHARACTERISTICS OF
STATIONS COVERED BY THE AGREEMENT

16. 1. Administrations desiring to change the characteristics shown in the Plans for any of their stations, or to operate stations not mentioned in the Plans or to make changes in the conditions of operation of the fixed and mobile services, shall, in accordance with the procedure outlined in the Associated Agreement (Annex 1) :
17. 1.1 so inform the Administrations of the countries of which the broadcasting, or fixed and mobile services are likely to suffer harmful interference as described in Annex 3 (technical factors);
18. 1.2 implement their schemes only when an agreement has been reached between the Administrations concerned;
19. 1.3 inform the I. F. R. B. which shall deal with these changes in accord with Article 9 of the Radio Regulations, Geneva, 1959, by:
20. 1.3.1 publishing all notifications in the weekly I. F. R. B. circular, with an indication of any coordination which has been successfully carried out;
21. 1.3.2 completing, where appropriate, technical examinations based on the technical bases annexed to this Agreement;
22. 1.3.3 informing the notifying and affected Administrations of the results of the technical examinations;

23. 1.3.4 publishing the assignments in the weekly I. F. R. B. Circular with the Board's findings as to the probability of harmful interference being caused to existing assignments;
24. 1.4 inform the Secretary-General of modifications affecting the Plans.
25. 2. Should any changes made in accordance with paragraph 1.1 above cause harmful interference to stations of other countries, the countries making the changes shall take action to eliminate such interference.
26. 3. Should no agreement be reached after the action taken under paragraph 1.1 or 1.2 above, Administrations unable to agree to the changes proposed may have recourse to the procedure set forth in Article 15 of the Radio Regulations, Geneva, 1959, or, where appropriate, to that described in Article 27 of the International Telecommunication Convention, Geneva, 1959.

ARTICLE 6

REVISION OF THE AGREEMENT

27. 1. No revision of the Agreement and its Annexes shall be undertaken, except by an Administrative Conference of those I. T. U. Region 1 Members and Associate Members which, in reply to an inquiry by the Secretary-General, announce that they are concerned with the subject of this Agreement. Such a Conference shall be convened as prescribed in the International Telecommunication Convention.
23. 2. In view of the forthcoming European VHF-UHF Broadcasting Conference, this Agreement shall not be deemed to prejudice the right of those Administrations which participated in the Special Regional Conference, Geneva, 1960, to make, in particular cases, with the agreement of interested Administrations, such revisions to this Agreement as may be considered necessary during the European Broadcasting Conference.

ARTICLE 7

DENUNCIATION OF THE AGREEMENT

29. 1. Any Administration which has approved or acceded to this Agreement, shall be free at any time to denounce it by informing the Secretary-General to that effect; the Secretary-General shall then inform all the other Contracting Administrations.
30. 2. This denunciation shall take effect one year after the date on which the Secretary-General has received notice thereof.

ARTICLE 8

DATE OF ENTRY INTO FORCE OF THE AGREEMENT

31. 1. The Agreement shall take effect on 1 May, 1961.
32. 2. Administrations shall inform the Secretary-General, with all possible speed, of their approval of this Agreement and its Annexes, and the Secretary-General shall at once inform the Members and Associate Members of the Union in Region 1.
33. In witness whereof, the under-signed delegates of the countries mentioned above, have on behalf of their Administrations this day signed the said Agreement in a single copy drawn up in English and French, the French text being authoritative in case of dispute. This document shall remain in the archives of the International Telecommunication Union, and each signatory Administration shall receive a certified copy. Each of the other Region 1 Administrations shall likewise receive a copy for its information.

Done in Geneva, 14 May, 1960.

Pour la République Populaire
d'Albanie :

D. Lamani

C. Pistoli

D. LAMANI

C. PISTOLI

Pour l'Autriche :

F. Henneberg
A. Bönisch

F. HENNEBERG

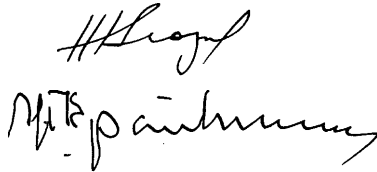
A. BÖNISCH

Pour la République Socialiste Soviétique de
Biélorussie :

A. Kashel

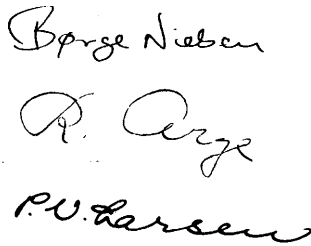
A. KASHEL

Pour la République Populaire de Bulgarie :

Two handwritten signatures in Cyrillic script. The first signature is 'G. G. GERKOV' and the second is 'G. K. STOYANOV'.

G. G. GERKOV
G. K. STOYANOV

Pour le Danemark :

Three handwritten signatures in Latin script. The first is 'Borge Nielsen', the second is 'P. Arge', and the third is 'P.V. Larsen'.

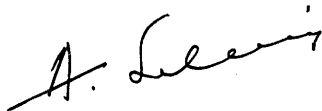
B. NIELSEN
R. ARGE
P. V. LARSEN

Pour la France :

A single handwritten signature in Latin script, 'Y. PLACE'.

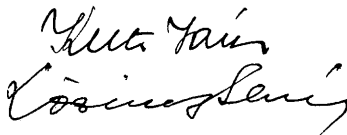
Y. PLACE

Pour la Grèce :



A. LELAKIS

Pour la République Populaire Hongroise :



J. KUTI

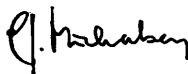
A. LÖRINCZY

Pour l'Italie :



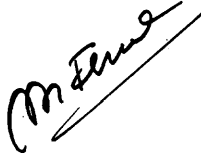
F. NICOTERA

Pour la Norvège :



P. MICHALSEN

Pour la République Populaire de Pologne :



K. KOZŁOWSKI

M. FLISAK

Pour la République Fédérale d'Allemagne :



J. PRESSLER


A. HEILMANN

Pour la République Fédérative Populaire de
Yougoslavie :



M. DAKIĆ

Pour la République Socialiste Soviétique de
l'Ukraine :



V. P. PROKOFIEV

Pour la République Populaire Roumaine :

M. Grigore

B. Ionita

M. GRIGORE

B. IONITA

Pour la Suède :

Sven Gejer

A. Rohdin

S. GEJER

A. ROHDIN

Pour la Confédération Suisse :

W. Klein

R. Monnat

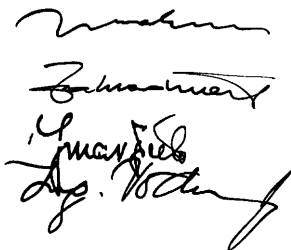
H. A. Kieffer

W. KLEIN

R. MONNAT

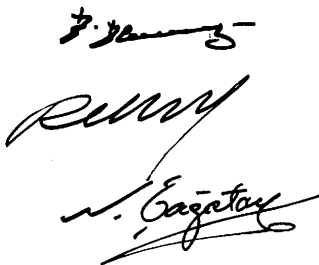
H. A. KIEFFER

Pour la Tchécoslovaquie :



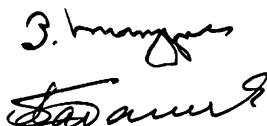
M. JOACHIM
M. ZAHRADNÍČEK
J. MARŠIČEK
J. VODNÝ

Pour la Turquie :



A. AKBULUT
A. R. HIZAL
N. CAGATAY

Pour l'Union des Républiques Socialistes
Soviétiques :



Z. TOPOURIA
A. BADALOV

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ANNEX 1

ASSOCIATED AGREEMENT RELATING TO THE SETTING-UP
OF NEW FM AND TV BROADCASTING STATIONS IN THE COUNTRIES
LISTED IN PARAGRAPH 5 OF ARTICLE 2 OF THE AGREEMENT
AND NEW FIXED AND MOBILE STATIONS IN THE COUNTRIES
LISTED IN PARAGRAPH 6 OF ARTICLE 2 OF THE AGREEMENT
(INCLUDING CHANGES TO EXISTING STATIONS)

ARTICLE 1

34. Administrations of the countries listed in paragraph 5 of Article 2 of the Agreement may set up new stations not contained in the Plans in Annex 2 of the Agreement without consulting Administrations of the countries listed in paragraph 6 of Article 2 of the Agreement provided that such stations produce a field strength at the nearest points of the boundaries of the countries listed in paragraph 6 of Article 2 of the Agreement which for 90% of the time is less than $2.5 \mu\text{V}/\text{m}$ when the propagation curves in Annex 3 (Technical Factors) are applied. However, other standards established by the Conference may be adopted if they are agreed between the interested and affected administrations.

ARTICLE 2

35. When a new station in a country listed in paragraph 5 of Article 2 of the Agreement cannot be set up in accordance with Article 1, that is to say, without first consulting one or more countries listed in paragraph 6 of Article 2 of the Agreement, such consultation(s), shall take place to ensure no harmful interference is caused to existing or planned stations in the countries listed in paragraph 6 of Article 2 of the Agreement. Where appropriate, the variation of the required protection ratio with frequency as shown in Annex 3 (Technical Factors) and an increased protection of 10 db by using cross-polarization may be taken into account.

ARTICLE 3

36. Administrations of the countries listed in paragraph 6 of Article 2 of the Agreement may, without consulting Administrations of the countries listed in paragraph 5 of Article 2 of the Agreement, set up new stations in the bands 68-73 Mc/s and 76-87.5 Mc/s which, according to the relevant technical data specified in Annex 3, provide the necessary protection within the reception areas *) of the broadcasting stations appearing in the Plans or set up in accordance with this Agreement.

ARTICLE 4

37. When a new station in a country listed in paragraph 6 of Article 2 of the Agreement cannot be set up in accordance with Article 3 without consulting one or more countries listed in paragraph 5 of Article 2 of the Agreement, such consultation shall take place to ensure that no harmful interference is caused to such broadcasting stations in the countries listed in paragraph 5 of Article 2 of the Agreement which are contained in the Plans in Annex 2 or set up in accordance with the provisions of this Agreement.

38. *) The reception area of a frequency-modulated broadcasting station is defined as the area within which the field strength exceeds $250 \mu\text{V/m}$ at a height of 10 m for 50% of the time and 50% of locations. For a television station, the corresponding figure is $500 \mu\text{V/m}$.

ANNEX 2

GENEVA PLANS FOR THE USE OF FREQUENCIES
IN THE BANDS 68-73 Mc/s AND 76-87.5 Mc/s BY
THE BROADCASTING SERVICE

(For the explanation of symbols used in column 13c-5, see Article 3 of the present Annex, page 32; the country designators used in column 4b are explained in Table No. 1 of the Preface to the Radio Frequency Record.)

GENEVA PLAN FOR FREQUENCY-MODULATION SOUND BROADCASTING

39.

Item No.	Assigned frequency in Mc/s	Probable date of putting into use	Name of the transmitting station	Country in which the transmitting station is located	Geographical co-ordinates of the transmitter site (longitude and latitude) in degrees and minutes	Class of emission and necessary bandwidth	Effective radiated power in kW	Azimuth of maximum radiation (ND if a transmitting antenna with non-directional characteristics is used)	Remarks					
									Height of antenna in metres above terrain	Height of antenna in metres above average level of ground (C. I. R. Recommendation No. 312, 1959)	Height of terrain above mean sea level in metres	Polarization	General Remarks (see the explanation of the Code in Article 3 of the present Annex, page 32)	
														1
1	2c	4a	4b	4c	7	8	9a	13c						
1	68.00	1. 10. 61	PARDOBICE	TCH	15 45 E 49 50 N	130F3	30	-	-	200	-	HOR	1/190°-230°/20 2/235°/10	
2	68.03	- . - . 65	SIEDLCE	POL	22 48 E 52 18 N	130F3	25	ND	100	100	280	VER		
3	68.03	1. 6. 63	SIBIU	ROU	24 20 E 45 52 N	130F3	12	ND	-	-	300	HOR		

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	1	2c	4a	4b	4c	7	8	9a	13c					
									1	2	3	4	5	
4	68.06	1. 10. 60	SOFIA	BUL	23 20 E 42 40 N	130F3	10	ND	-	100	700	HOR	3	
5	68.06	1. 1. 61	POPRAD	TCH	20 10 E 48 55 N	130F3	30	-	-	900	-	VER	1/230°-270°/10	
6	68.09	1. 7. 61	VARNA	BUL	27 54 E 43 13 N	130F3	10	ND	-	100	330	HOR	8	
7	68.12	1. 6. 63	BAIA MARE	ROU	23 30 E 47 37 N	130F3	3	ND	-	-	200	HOR		
8	68.18	1. 10. 62	KURDJALI	BUL	25 22 E 41 48 N	130F3	10	ND	-	200	2000	VER	8	
9	68.18	20. 8. 61	BUDAPEST	HNG	18 50 E 47 30 N	130F3	100	-	-	325	-	HOR	1/240°-300°/70	
10	68.18	- . - . 65	POZNAŃ	POL	16 56 E 52 09 N	130F3	38	ND	200	250	104	HOR		
11	68.24	-	KORČA	ALB	20 43 E 40 38 N	130F3	17	ND	-	200	700	HOR		
12	63.24	- . - . 65	KARCAG	HNG	20 25 E 47 19 N	130F3	10	ND	-	100	-	HOR		
13	68.24	- . - . 62	JELENIA GÓRA	POL	15 30 E 50 59 N	130F3	10	-	100	300	379	VER	2/240°/1.5	
14	63.24	- . - . 63	RZESZÓW	POL	21 48 E 49 48 N	130F3	7	ND	100	350	522	VER		
15	68.24	1. 6. 65	BUCURESTI	ROU	26 05 E 44 30 N	130F3	20	ND	-	-	120	HOR		
16	68.33	- . 12. 60	KATOWICE	POL	18 59 E 50 21 N	130F3	14	ND	170	200	254	HOR		
17	68.36	1. 5. 61	PLOVDIV	BUL	24 42 E 42 08 N	130F3	3	ND	-	100	200	HOR	8	
18	68.36	- . - . 65	NAGYKANIZSA	HNG	16 55 E 46 25 N	130F3	50	ND	-	100	-	HOR		
19	68.36	1. 6. 64	CLUJ	ROU	23 37 E 46 48 N	130F3	4	ND	-	-	500	HOR		
20	68.41	1. 12. 61	JIHLAVA	TCH	15 30 E 49 20 N	130F3	5	-	-	350	-	HOR	2/245°/0.5	
21	68.48	1. 1. 64	YAMBOL	BUL	26 30 E 42 28 N	130F3	3	ND	-	300	550	HOR	8	
22	68.48	- . - . 64	MISKOLC	HNG	20 46 E 48 06 N	130F3	10	ND	-	50	-	HOR		
23	68.51	-	GWIROCASTRO	ALB	20 10 E 40 07 N	130F3	17	ND	-	100	700	HOR		
24	68.51	- . - . 65	LÓDŹ	POL	19 05 E 51 39 N	130F3	80	ND	250	250	178	HOR		

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ARTICLE 1

GENEVA PLAN FOR FREQUENCY-MODULATION SOUND BROADCASTING

39.

Item No.	Assigned frequency in Mc/s	Probable date of putting into use	Name of the transmitting station	Country in which the transmitting station is located	Geographical co-ordinates of the transmitter site (longitude and latitude) in degrees and minutes	Class of emission and necessary bandwidth	Effective radiated power in kW	Azimuth of maximum radiation (ND if a transmitting antenna with non-directional characteristics is used)	Remarks				
									13c				
									1	2	3	4	5

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
25	68.60	1. 10. 62	DIMITROVO	BUL	23 05 E 42 35 N	130F3	60	ND	-	300	2300	HOR	8
26	68.60	-. -. 65	SUWALKI	POL	22 23 E 53 57 N	130F3	30	-	100	150	270	VER	2/SZAU LIA/7
27	68.60	1. 3. 65	GHEORCHIENI	ROU	25 20 E 46 35 N	130F3	10	ND	-	-	1200	HOR	
28	68.66	1. 10. 61	JESENÍK	TCH	17 15 E 50 05 N	130F3	5	-	-	650	-	VER	1/180°-240°/2.5
29	68.72	-. -. 63	SZENTES	HNG	20 17 E 46 37 N	130F3	30	ND	-	160	-	HOR	
30	63.72	-. -. 64	WLOCLAWEK	POL	19 20 E 52 34 N	130F3	10	ND	80	100	100	VER	
31	68.72	1. 10. 64	CONSTANZA	ROU	28 20 E 45 00 N	130F3	40	ND	-	-	350	HOR	
32	68.75	-. -. 62	KRAKÓW	POL	20 12 E 49 49 N	130F3	120	ND	100	350	853	HOR	
33	68.78	-. -. 62	SZCZECIN	POL	14 38 E 53 16 N	130F3	74	-	150	230	85	HOR	2/COTTBUS +260°/20 3/D*
34	68.84	1. 4. 63	BLAGOEVGRAD	BUL	23 06 E 42 03 N	130F3	15	ND	-	300	1500	VER	8
35	68.84	1. 6. 60	BRATISLAVA	TCH	17 06 E 48 11 N	130F3	60	-	-	350	-	HOR	1/240°-300°/2
36	68.87	1. 6. 65	BACAU	ROU	26 23 E 46 10 N	130F3	30	ND	-	-	1100	HOR	
37	63.87	1. 1. 61	KOŠICE	TCH	21 30 E 48 55 N	130F3	30	-	-	700	-	VER	1/223°-263°/15
38	68.96	-. -. 62	BYDGOSZCZ	POL	18 10 E 53 16 N	130F3	32	ND	250	250	50	HOR	
39	63.96	-. -. 65	CZESTOCHOWA	POL	19 12 E 50 49 N	130F3	10	ND	60	100	247	VER	
40	68.96	1. 6. 60	PRAHA	TCH	14 20 E 49 55 N	130F3	60	ND	-	250	-	HOR	
41	69.02	-. -. 63	PÉCS	HNG	18 13 E 46 06 N	130F3	50	-	-	322	-	HOR	1/270°-330°/5
42	69.08	1. 6. 63	MIKHAILOVGRAD	BUL	23 12 E 43 23 N	130F3	25	ND	-	300	600	HOR	8
43	69.08	1. 11. 60	OSTRAVA	TCH	18 15 E 49 50 N	130F3	30	ND	-	100	-	HOR	
44	69.11	1. 6. 65	BAIA MARE	ROU	23 30 E 47 37 N	130F3	3	ND	-	-	200	HOR	

- 20 -

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
45	69.14	-. -. 62	ZIELONA GÓRA	POL	15 15 E 52 24 N	130F3	52	ND	150	200	200	HOR	
46	69.17	1. 9. 62	BOURGAS	BUL	27 18 E 42 50 N	130F3	10	ND	-	100	550	HOR	3
47	69.20	-	TIRANA	ALB	19 55 E 41 20 N	130F3	31.9	ND	-	1500	1650	HOR	
48	69.20	-. 12. 60	WARSZAWA	POL	20 52 E 52 22 N	130F3	100	ND	240	250	120	HOR	
49	69.20	1. 1. 61	POPRAD	TCH	20 10 E 48 55 N	130F3	30	-	-	900	-	VER	1/230°-270°/10
50	69.26	1. 11. 60	SOFIA	BUL	23 20 E 42 40 N	130F3	10	ND	-	100	700	HOR	3
51	69.26	1. 12. 61	ÚSTÍ N/L	TCH	14 15 E 50 40 N	130F3	30	ND	-	350	-	VER	3/D*
52	69.35	1. 10. 65	SIBIU	ROU	24 20 E 45 52 N	130F3	12	ND	-	-	300	HOR	
53	69.35	1. 10. 60	PARDUBICE	TCH	15 45 E 49 50 N	130F3	30	-	-	200	-	HOR	1/190°-230°/20 2/235°/10 3/D*
54	69.38	20. 8. 61	BUDAPEST	HNG	18 50 E 47 30 N	130F3	100	ND	-	325	-	HOR	
55	69.38	-. -. 65	WALCZ	POL	16 36 E 53 11 N	130F3	30	-	100	150	100	HOR	1/330°-335°/12
56	69.41	1. 7. 61	VARNA	BUL	27 54 E 43 13 N	130F3	10	ND	-	100	330	HOR	3
57	69.47	-	PESCHKOPIA	ALB	20 23 E 41 42 N	130F3	17	ND	-	200	800	HOR	
58	69.50	1. 11. 60	ŽILINA	TCH	18 50 E 49 05 N	130F3	10	-	-	700	-	VER	1/200°-260°/5
59	69.56	1. 11. 60	BOTEV	BUL	24 53 E 42 37 N	130F3	60	ND	-	1200	2400	HOR	8
60	69.56	-. -. 65	OLSZTYN	POL	20 10 E 53 32 N	130F3	76	ND	200	240	262	HOR	
61	69.56	15. 11. 60	PLZEŇ	TCH	13 15 E 49 55 N	130F3	30	ND	-	400	-	HOR	
62	69.62	1. 6. 64	TIMISOARA	ROU	21 30 E 45 50 N	130F3	40	ND	-	-	200	HOR	
63	69.68	1. 6. 63	CIMPULUNG	ROU	25 40 E 47 35 N	130F3	3	ND	-	-	400	HOR	
64	69.68	1. 10. 60	BANSKÁ BYSTRICA	TCH	19 00 E 48 45 N	130F3	30	ND	-	750	-	HOR	

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Item No.	Assigned frequency in Mc/s	Probable date of putting into use	Name of the transmitting station	Country in which the transmitting station is located	Geographical co-ordinates of the transmitter site (longitude and latitude) in degrees and minutes	Class of emission and necessary bandwidth	Effective radiated power in kW	Azimuth of maximum radiation (ND if a transmitting antenna with non-directional characteristics is used)	Remarks				
									Height of antenna in metres above terrain	Height of antenna in metres above average level of ground (C. I. R. Recommendation No. 312, 1959)	Height of terrain above mean sea level in metres	Polarization	General Remarks (see the explanation of the Code in Article 3 of the present Annex, page 32)
	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
65	69.74	-.-.62	POZNAŃ	POL	16 56 E 52 09 N	130F3	38	ND	200	250	104	HOR	
66	69.80	-	KOUKEŠ	ALB	20 21 E 40 07 N	130F3	17	ND	-	200	1000	HOR	
67	69.80	1.11.62	KOLAROVGRAD	BUL	26 55 E 43 17 N	130F3	10	ND	-	100	550	HOR	8
68	69.86	1. 6.65	ORADEA	ROU	22 13 E 47 11 N	130F3	40	ND	-	-	200	HOR	1/160°-220°/20 2/250°/20
69	69.86	1.10.60	BRNO	TCH	16 49 E 49 22 N	130F3	30	-	-	400	-	HOR	
70	69.92	-.-.64	KOSZALIN	POL	16 45 E 54 05 N	130F3	54	ND	200	220	180	VER	
71	69.92	-.-.61	LUBLIN	POL	22 44 E 51 02 N	130F3	60	ND	150	200	194	VER	
72	69.92	1. 6.64	IASSI	ROU	27 25 E 47 07 N	130F3	4	ND	-	-	100	HOR	8
73	69.98	1.12.64	PETRICH	BUL	23 13 E 41 25 N	130F3	3	ND	-	200	550	HOR	
74	69.98	-.-.65	NAGYKANIZSA	HNG	16 55 E 46 25 N	130F3	50	-	-	100	-	HOR	1/275°-335°/5
75	69.98	1. 5.61	LIBEREC	TCH	15 00 E 50 45 N	130F3	10	ND	-	550	-	VER	
76	70.01	-.-.63	BIALYSTOK	POL	23 04 E 53 11 N	130F3	74	ND	160	200	194	HOR	
77	70.04	-	WLORA	ALB	19 31 E 40 26 N	130F3	17	ND	-	100	400	HOR	3/GRC
78	70.04	1. 6.65	CRAIOVA	ROU	24 02 E 45 15 N	130F3	40	180	-	100	1500	HOR	7/270°/100
79	70.07	1. 8.60	ČESKÉ BUDĚJOVICE	TCH	14 17 E 48 52 N	130F3	30	-	-	450	-	HOR	1/150°-210°/5 3/D*
80	70.10	-.-.62	KÉKES	HNG	20 01 E 47 52 N	130F3	30	ND	-	700	-	HOR	
81	70.16	1. 6.65	FOCSANI	ROU	27 04 E 45 35 N	130F3	4	ND	-	-	100	HOR	
82	70.16	1.10.61	JESENÍK	TCH	17 15 E 50 05 N	130F3	5	-	-	650	-	VER	1/180°-240°/2,5
83	70.22	1. 8.64	STARA-ZAGORA	BUL	25 37 E 42 33 N	130F3	5	ND	-	200	600	HOR	3/GRC 8
84	70.22	-.-.65	SIEDLCE	POL	22 48 E 52 18 N	130F3	25	ND	100	100	280	VER	

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
85	70.31	-.-.61	GDAŃSK	POL	18 31 E 54 24 N	130F3	40	ND	150	200	255	HOR	
86	70.34	1. 8.61	PLZEŇ	TCH	13 15 E 49 55 N	130F3	30	-	-	400	-	HOR	
87	70.40	-.-.64	SOPRON	HNG	16 34 E 47 40 N	130F3	30	-	-	100	-	HOR	1/265°-325°/1
88	70.40	1. 6.64	PLOIESTI	ROU	25 20 E 45 22 N	130F3	40	ND	-	100	1800	HOR	7/270°/100
89	70.43	-.-.63	TOKAJ	HNG	21 23 E 48 07 N	130F3	50	ND	-	300	-	HOR	
90	70.49	-.-.63	KIELCE	POL	21 04 E 50 54 N	130F3	62	ND	80	350	593	HOR	
91	70.52	1. 6.63	GOTZE-DELTCHEV	BUL	23 43 E 41 30 N	130F3	10	ND	-	200	1300	VER	3/GRC 8
92	70.55	1. 8.61	PLZEŇ	TCH	13 15 E 49 55 N	130F3	30	-	-	400	-	HOR	1/130°-190°/6 3/D*
93	70.58	1. 6.65	SUCEAVA	ROU	26 22 E 47 38 N	130F3	20	ND	-	-	400	HOR	
94	70.58	1. 7.60	ÚSTÍ N/L	TCH	14 15 E 50 40 N	130F3	30	-	-	350	-	VER	
95	70.64	-	SARANDA	ALB	20 02 E 39 53 N	130F3	17	ND	-	100	200	HOR	3/GRC
96	70.64	-.-.62	KABHEGY	HNG	17 39 E 47 04 N	130F3	100	-	-	420	-	HOR	1/253°-327°/25
97	70.64	1. 4.65	DEVA	ROU	22 45 E 45 57 N	130F3	4	ND	-	-	400	VER	
98	70.67	1. 5.61	ELKHOVO	BUL	26 32 E 42 10 N	130F3	5	ND	-	200	600	HOR	
99	70.67	-12.60	WROCLAW	POL	16 43 E 50 52 N	130F3	120	ND	100	600	693	HOR	
100	70.76	-	PESCHKOPIA	ALB	20 23 E 41 42 N	130F3	17	ND	-	200	800	HOR	
101	70.82	-.-.65	OLSZTYN	POL	20 10 E 53 32 N	130F3	76	ND	200	240	262	HOR	
102	70.82	1.11.61	ŽILINA	TCH	18 50 E 49 05 N	130F3	10	ND	-	700	-	VER	
103	70.85	1. 6.63	CIMPULUNG	ROU	25 40 E 47 35 N	130F3	3	ND	-	-	400	HOR	
104	70.85	1. 6.69	TIMISOARA	ROU	21 30 E 45 50 N	130F3	40	ND	-	-	200	HOR	

GENEVA PLAN FOR FREQUENCY-MODULATION SOUND BROADCASTING

39.

Item No.	Assigned frequency in Mc/s	Probable date of putting into use	Name of the transmitting station	Country in which the transmitting station is located	Geographical co-ordinates of the transmitter site (longitude and latitude) in degrees and minutes	Class of emission and necessary bandwidth	Effective radiated power in kW	Azimuth of maximum radiation (ND if a transmitting antenna with non-directional characteristics is used)	Remarks				
									Height of antenna in metres above terrain	Height of antenna in metres above average level of ground (C.C.I.R. Recommendation No. 312, 1959)	Height of terrain above mean sea level in metres	Polarization	General Remarks (see the explanation of the Code in Article 3 of the present Annex, page 32)
	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
105	70.85	1. 6. 61	PRAHA	TCH	14 20 E 49 55 N	130F3	60	ND	-	250	-	HOR	
106	70.88	1.11.60	BOTEV	BUL	24 58 E 42 37 N	130F3	60	ND	-	1200	2400	HOR	3/GRC 8
107	70.94	-. -. 65	ZIELONA GÓRA	POL	15 15 E 52 24 N	130F3	52	ND	150	200	200	HOR	
108	70.94	1.10.60	BANSKÁ BYSTRICA	TCH	19 00 E 48 45 N	130F3	30	-	-	750	-	HOR	1/230°-270°/20
109	70.97	-. -. 65	WLOCLAWEK	POL	19 20 E 52 34 N	130F3	10	ND	80	100	100	VER	
110	71.00	-	KOUKÉS	ALB	20 21 E 42 07 N	130F3	17	ND	-	200	1000	HOR	3/GRC
111	71.00	1.11.62	KOLAROVGRAD	BUL	26 55 E 43 17 N	130F3	10	ND	-	100	550	HOR	3/GRC 8
112	71.00	1. 4. 61	ORADEA	ROU	22 13 E 47 11 N	130F3	40	ND	-	-	200	HOR	
113	71.03	-. -. 65	NAGYKANIZSA	HNG	16 55 E 46 25 N	130F3	50	ND	-	100	-	HOR	
114	71.03	-. -. 65	LUBLIN	POL	22 44 E 51 02 N	130F3	60	ND	150	200	296	VER	
115	71.06	-. -. 65	BYDGOSZCZ	POL	18 10 E 53 16 N	130F3	32	ND	250	250	50	HOR	
116	71.06	1. 6. 63	IASSI	ROU	27 25 E 47 07 N	130F3	4	ND	-	-	100	HOR	
117	71.09	1. 3. 61	BRNO	TCH	16 49 E 49 22 N	130F3	30	ND	-	400	-	HOR	
118	71.12	-	WLORA	ALB	19 31 E 40 26 N	130F3	17	ND	-	100	400	HOR	3/GRC
119	71.12	-. -. 65	SUWALKI	POL	22 23 E 53 57 N	130F3	30	-	100	150	270	VER	2/SZAULIAI/7
120	71.12	1.10.63	CRAIOVA	ROU	24 02 E 45 15 N	130F3	40	180	-	100	1500	HOR	7/270°/100
121	71.15	-. -. 65	KIELCE	POL	21 04 E 50 54 N	130F3	62	ND	80	350	593	HOR	
122	71.18	1. 6. 62	CONSTANZA	ROU	23 20 E 45 00 N	130F3	40	ND	-	-	350	HOR	
123	71.18	1.11.61	LIBEREC	TCH	15 00 E 50 45 N	130F3	10	-	-	550	-	VER	1/155°-195°/2, 5
124	71.21	-. -. 62	KÉKES	HNG	20 01 E 47 52 N	130F3	30	-	-	700	-	HOR	1/240°-280°/20 2/MOHACS/10

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	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
125	71.24	1.12.64	PETRITICH	BUL	23 13 E 41 25 N	130F3	3	ND	-	200	550	HOR	3/GRC 8
126	71.24	-. -. 65	BIALYSTOK	POL	23 04 E 53 11 N	130F3	74	ND	160	200	194	HOR	
127	71.24	-. -. 65	WALCZ	POL	16 36 E 53 11 N	130F3	30	-	100	150	100	HOR	1/330°-335°/12
128	71.30	-. -. 64	SOPRON	HNG	16 34 E 47 40 N	130F3	30	-	-	100	-	HOR	1/265°-325°/1
129	71.30	1.10.60	PLOIESTI	ROU	25 20 E 45 22 N	130F3	40	ND	-	-	1800	HOR	
130	71.33	-. -. 63	TOKAJ	HNG	21 23 E 43 07 N	130F3	50	ND	-	300	-	HOR	
131	71.33	-. -. 65	WROCLAW	POL	16 43 E 50 52 N	130F3	120	ND	100	600	698	HOR	
132	71.36	1. 6. 63	GOTZE DELTCHEV	BUL	23 43 E 41 30 N	130F3	10	ND	-	200	1300	VER	3/GRC 8
133	71.42	-	SARANDA	ALB	20 02 E 39 53 N	130F3	17	ND	-	100	200	HOR	3/GRC
134	71.42	-. -. 62	KABHEGY	HNG	17 39 E 47 04 N	130F3	100	-	-	420	-	HOR	1/253°-327°/50
135	71.42	1. 4. 62	DEVA	ROU	22 45 E 45 57 N	130F3	4	ND	-	-	400	VER	
136	71.42	1. 6. 61	SUCEAVA	ROU	26 22 E 47 33 N	130F3	20	ND	-	-	400	HOR	
137	71.42	1.12.61	ÚSTÍ N/L	TCH	14 15 E 50 40 N	130F3	30	-	-	350	-	VER	1/140°-180°/15
138	71.45	1. 5. 61	ELKHOVO	BUL	26 32 E 42 10 N	130F3	5	ND	-	200	600	HOR	3/GRC 8
139	71.45	-. -. 65	ŁÓDŹ	POL	19 05 E 51 39 N	130F3	80	ND	250	250	178	HOR	
140	71.57	-	PESCHKOPIA	ALB	20 23 E 41 42 N	130F3	17	ND	-	200	800	HOR	3/GRC
141	71.60	-. -. 65	OLSZTYN	POL	20 10 E 53 32 N	130F3	76	ND	200	240	262	HOR	
142	71.60	1.11.60	ŽILINA	TCH	18 50 E 49 05 N	130F3	10	-	-	700	-	VER	1/200°-260°/5
143	71.63	1. 1. 61	CIMPULUNG	ROU	25 40 E 47 35 N	130F3	3	ND	-	-	400	HOR	
144	71.63	1. 6. 60	TIMISOARA	ROU	21 30 E 45 50 N	130F3	40	ND	-	-	200	HOR	
145	71.63	1. 6. 61	PRAHA	TCH	14 20 E 49 55 N	130F3	60	ND	-	250	-	HOR	

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ARTICLE 1

GENEVA PLAN FOR FREQUENCY-MODULATION SOUND BROADCASTING

39.

Item No.	Assigned frequency in Mc/s	Probable date of putting into use	Name of the transmitting station	Country in which the transmitting station is located	Geographical co-ordinates of the transmitter site (longitude and latitude) in degrees and minutes	Class of emission and necessary bandwidth	Effective radiated power in kW	Azimuth of maximum radiation (ND if a transmitting antenna with non-directional characteristics is used)	Remarks				
									Height of antenna in metres above terrain	Height of antenna in metres above average level of ground (C.I.R. Recommendation No. 312, 1959)	Height of terrain above mean sea level in metres	Polarization	General Remarks (see the explanation of the Code in Article 3 of the present Annex, page 32)

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
146	71.66	1.11.60	BOTEV	BUL	24 58 E 42 37 N	130F3	60	ND	-	1200	2400	HOR	3/GRC 8
147	71.72	-. -.63	ZIELONA GÓRA	POL	15 15 E 52 24 N	130F3	52	ND	150	200	200	HOR	
148	71.72	1.10.60	BANSKÁ BYSTRICA	TCH	19 00 E 48 45 N	130F3	30	-	-	750	-	HOR	1/230° -270°/20
149	71.75	-. -.64	WLOCLAWEK	POL	19 20 E 52 34 N	130F3	10	ND	80	100	100	VER	
150	71.78	-	KOUKÉS	ALB	20 21 E 42 07 N	130F3	17	ND	-	200	1000	HOR	3/GRC
151	71.78	1.11.62	KOLAROVGRAD	BUL	26 55 E 43 17 N	130F3	10	ND	-	100	550	HOR	3/GRC 8
152	71.78	1. 4.62	ORADEA	ROU	22 13 E 47 11 N	130F3	40	ND	-	-	200	HOR	
153	71.81	-. -.65	NAGYKANIZSA	HNG	16 55 E 46 25 N	130F3	50	-	-	100	-	HOR	1/275° -375°/5
154	71.81	-. -.65	LUBLIN	POL	22 41 E 51 02 N	130F3	60	ND	150	200	296	VER	
155	71.84	-. -.65	BYDGOSZCZ	POL	18 10 E 53 16 N	130F3	32	ND	250	250	50	HOR	
156	71.84	1. 6.62	IASSI	ROU	27 25 E 47 07 N	130F3	4	ND	-	-	100	HOR	
157	71.37	1. 3.61	BRNO	TCH	16 49 E 49 22 N	130F3	30	-	-	400	-	HOR	1/160° -220°/20
158	71.90	-	WLORA	ALB	19 31 E 40 26 N	130F3	17	ND	-	100	400	HOR	3/GRC
159	71.90	-. -.65	SUWALKI	POL	22 23 E 53 57 N	130F3	30	-	100	150	270	VER	2/SZAULIAI/7
160	71.90	1. 6.62	CRAIOVA	ROU	24 02 E 45 15 N	130F3	40	180	-	-	1500	HOR	
161	71.93	-. -.65	KIELCE	POL	21 04 E 50 54 N	130F3	62	ND	80	350	593	HOR	
162	71.96	1. 5.61	CONSTANZA	ROU	28 20 E 45 00 N	130F3	40	ND	-	-	350	HOR	
163	71.96	1.11.61	LIBEREC	TCH	15 00 E 50 45 N	130F3	10	-	-	550	-	VER	1/155° -195°/2, 5
164	71.99	-. -.62	KÉKES	HNG	20 01 E 47 52 N	130F3	30	-	-	700	-	HOR	1/240° -230°/20 2, MOHACS/10

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	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
165	72.02	1.12.64	PETRITCH	BUL	23 13 E 41 25 N	130F3	3	ND	-	200	550	HOR	3/GRC 8
166	72.02	-. -.64	BIALYSTOK	POL	23 04 E 53 11 N	130F3	74	ND	160	200	194	HOR	
167	72.02	-. -.65	WALCZ	POL	16 36 E 53 11 N	130F3	30	-	100	150	100	HOR	1/330° -335°/12
168	72.08	-. -.64	SOPRON	HNG	16 34 E 47 40 N	130F3	30	-	-	100	-	HOR	1/265° -325°/1
169	72.08	1. 6.62	PLOIESTI	ROU	25 20 E 45 22 N	130F3	40	ND	-	100	1800	HOR	7/270°/100
170	72.11	-. -.63	TOKAJ	HNG	21 23 E 48 07 N	130F3	50	ND	-	300	-	HOR	
171	72.11	-. -.62	WROCLAW	POL	16 43 E 50 52 N	130F3	120	ND	100	600	698	HOR	
172	72.14	1. 6.63	GOTZE DELTCHEV	BUL	23 43 E 41 30 N	130F3	10	ND	-	200	1300	VER	3/GRC 8
173	72.20	-	SARANDA	ALB	20 02 E 39 53 N	130F3	17	ND	-	100	200	HOR	3/GRC
174	72.20	-. -.62	KABHEGY	HNG	17 39 E 47 04 N	130F3	100	-	-	420	-	HOR	1/253° -327°/50
175	72.20	1. 3.61	DEVA	ROU	22 45 E 45 57 N	130F3	4	ND	-	-	400	VER	
176	72.20	1. 6.63	SUCEAVA	ROU	26 22 E 47 38 N	130F3	20	ND	-	-	400	HOR	
177	72.20	1.12.61	ÚSTÍ N/L	TCH	14 15 E 50 40 N	130F3	30	-	-	350	-	VER	1/140° -130°/8
178	72.23	1. 5.61	ELKHOVO	BUL	26 32 E 42 10 N	130F3	5	ND	-	200	600	HOR	3/GRC 8
179	72.23	-. -.65	LÓDŹ	POL	19 05 E 51 39 N	130F3	80	ND	250	250	178	HOR	
180	72.35	-	PESCHKOPIA	ALB	20 23 E 41 42 N	130F3	17	ND	-	200	300	HOR	3/GRC
181	72.38	-. -.65	OLSZTYN	POL	20 10 E 53 32 N	130F3	76	ND	200	240	262	HOR	
182	72.38	1.11.61	ŽILINA	TCH	18 50 E 49 05 N	130F3	10	-	-	700	-	VER	1/200° -260°/1, 5
183	72.41	1. 6.64	CIMPULUNG	ROU	25 40 E 47 35 N	130F3	3	ND	-	-	400	HOR	
184	72.41	1. 6.63	TIMISOARA	ROU	21 30 E 45 50 N	130F3	40	ND	-	-	200	HOR	
185	72.41	1. 6.61	PRAHA	TCH	14 20 E 49 55 N	130F3	60	-	-	250	-	HOR	2/240°/20

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Item No.	Assigned frequency in Mc/s	Probable date of putting into use	Name of the transmitting station	Country in which the transmitting station is located	Geographical co-ordinates of the transmitter site (longitude and latitude) in degrees and minutes	Class of emission and necessary bandwidth	Effective radiated power in kW	Azimuth of maximum radiation (ND if a transmitting antenna with non-directional characteristics is used)	Remarks				
									Height of antenna in metres above terrain	Height of antenna in metres above average level of ground (C. I. R. Recommendation No. 312, 1959)	Height of terrain above mean sea level in metres	Polarization	General Remarks (see the explanation of the Code in Article 3 of the present Annex, page 32)

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
186	72.44	1. 11. 60	BOTEV	BUL	24 53 E 42 37 N	130F3	60	ND	-	1200	2400	HOR	3/GRC 8
187	72.50	- .-. .65	ZIELONA GÓRA	POL	15 15 E 52 24 N	130F3	52	-	150	200	200	HOR	2/285°/10
188	72.50	1. 10. 60	BANSKÁ BYSTRICA	TCH	19 00 E 48 45 N	130F3	30	-	-	750	-	HOR	1/230°-270°/20
189	72.53	- .-. .65	WLOCLAWEK	POL	19 20 E 52 34 N	130F3	10	ND	80	100	100	VER	
190	72.56	-	KOUKÉS	ALB	20 21 E 42 07 N	130F3	17	ND	-	200	1000	HOR	3/GRC
191	72.56	1. 11. 62	KOLAROVGRAD	BUL	26 55 E 43 17 N	130F3	10	ND	-	100	550	HOR	3/GRC 8
192	72.56	1. 6. 63	ORADEA	ROU	22 13 E 47 11 N	130F3	40	ND	-	-	200	HOR	
193	72.59	- .-. .65	LUBLIN	POL	22 44 E 51 02 N	130F3	60	ND	150	200	296	VER	
194	72.62	- .-. .65	BYDGOSZCZ	POL	18 10 E 53 16 N	130F3	32	ND	250	250	50	HOR	
195	72.62	1. 6. 65	IASSI	ROU	27 25 E 47 07 N	130F3	4	ND	-	-	100	HOR	
196	72.65	1. 3. 61	BRNO	TCH	16 49 E 49 22 N	130F3	30	-	-	400	-	HOR	1/160°-220°/20 2/250°/20
197	72.68	-	WLORA	ALB	19 31 E 40 26 N	130F3	17	ND	-	100	400	HOR	3/GRC
198	72.68	- .-. .65	SUWALKI	POL	22 23 E 53 57 N	130F3	30	-	100	150	270	VER	2/SZAULIAI/7
199	72.68	1. 3. 64	CRAIOVA	ROU	24 02 E 45 15 N	130F3	40	180	-	100	1500	HOR	7/270°/100
200	72.71	- .-. .65	KIELCE	POL	21 04 E 50 54 N	130F3	62	ND	80	350	593	HOR	
201	72.74	1. 6. 63	CONSTANZA	ROU	28 20 E 45 10 N	130F3	40	ND	-	-	350	HOR	
202	72.74	1. 11. 61	LIBEREC	TCH	15 00 E 50 45 N	130F3	10	-	-	550	-	VER	1/155°-195°/2, 5 2/245°/0, 5
203	72.77	- .-. .62	KÉKES	HNG	20 01 E 47 52 N	130F3	30	-	-	700	-	HOR	1/240°-230°/20
204	72.80	1. 12. 64	PETRITCH	BUL	23 13 E 41 25 N	130F3	3	ND	-	200	550	HOR	3/GRC 8

	1	2c	4a	4b	4c	7	8	9a	13c				
									1	2	3	4	5
205	72.80	- .-. .65	BIALYSTOK	POL	23 04 E 53 11 N	130F3	74	ND	160	200	194	HOR	
206	72.80	- .-. .65	WALCZ	POL	16 36 E 53 11 N	130F3	30	-	100	150	100	HOR	1/330°-335°/12
207	72.86	- .-. .64	SOPRON	HNG	16 34 E 47 40 N	130F3	30	-	-	100	-	HOR	1/265°-325°/1
208	72.86	1. 4. 63	PLOIESTI	ROU	25 20 E 45 22 N	130F3	40	ND	-	100	1800	HOR	7/270°/100
209	72.89	- .-. .63	TOKAJ	HNG	21 23 E 48 07 N	130F3	50	ND	-	300	-	HOR	
210	72.89	- .-. .65	WROCLAW	POL	16 43 E 50 52 N	130F3	120	-	100	600	698	HOR	2/250°/30
211	72.92	1. 6. 63	GOTZE DELTCHEV	BUL	23 43 E 41 30 N	130F3	10	ND	-	200	1300	VER	3/GRC 8
212	72.98	-	SARANDA	ALB	20 02 E 39 53 N	130F3	17	ND	-	100	200	HOR	3/GRC
213	72.98	- .-. .62	KABHEGY	HNG	17 39 E 47 04 N	130F3	100	-	-	420	-	HOR	1/253°-327°/25
214	72.98	1. 4. 64	DEVA	ROU	22 45 E 45 57 N	130F3	4	ND	-	-	400	VER	
215	72.98	1. 6. 63	SUCEAVA	ROU	26 22 E 47 38 N	130F3	20	ND	-	-	400	HOR	

ARTICLE 2

GENEVA PLAN FOR TELEVISION

40.

Item No.	Assigned frequency in Mc/s	Probable date of putting into use	Name of the transmitting station	Country in which the transmitting station is located	Geographical co-ordinates of the transmitter site (longitude and latitude) in degrees and minutes	Class of emission and necessary bandwidth	Power in kW		Azimuth of maximum radiation (ND if a transmitting antenna with non-directional characteristics is used)	Remarks					
							Effective radiated power - Vision	Effective radiated power - Sound		Height of antenna in metres above terrain	Height of antenna in metres above average level of ground (C. C. I. R. Recommendation No. 312, 1959)	Height of terrain above mean sea level in metres	Polarization	General Remarks (see the explanation of the Code in Article 3 of the present Annex, page 32)	
							8		9a	13c					
							1	2		1	2	3	4	5	
1	80	-	KORČE	ALB	20 43E 40 38N	8000A5 F3	15	4	ND	-	200	700	HOR	4/77.25 5/83.75 3/GRC	
2	80	-	SCHKODRA	ALB	19 36E 42 02N	8000A5 F3	15	4	ND	-	100	150	VER	4/77.25 5/83.75 3/GRC	
3	80	1. 1.63	GOTZE DELTCHEV	BUL	23 13E 41 30N	8000A5 F3	50	12.5	ND	-	200	1300	VER	4/77.25 5/83.75 3/GRC 8	

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	1	2c	4a	4b	4c	7	8		9a	13c				
							1	2		1	2	3	4	5
4	80	1. 6.62	KOLAROVGRAD	BUL	26 55E 43 17N	8000A5 F3	100	25	ND	-	100	550	HOR	4/77.25 5/83.75 3/GRC 8
5	80	-. -.63	KIELCE	POL	21 04E 50 54N	8000A5 F3	100	20	ND	130	400	593	HOR	4/77.25 5/83.75
6	80	-. -.62	ZIELONA GÓRA	POL	15 15E 52 24N	8000A5 F3	200	40	-	200	250	200	HOR	2/285°/25Pe A5 + 5 Pe F3 4/77.25 5/83.75
7	80	1. 1.61	ORADEA	ROU	22 13E 47 11N	8000A5 F3	120	30	ND	-	-	200	HOR	4/77.25 5/83.75
8	30	1. 6.63	TURNU SEVERIN	ROU	22 40E 44 37N	8000A5 F3	15	3.75	ND	-	-	100	VER	4/77.25 5/83.75
9	80	-		TCH		7250A5C/750F3	-	-	-	-	-	-	-	4/77.25 5/83.75 6
10	88 +	-	BAIRAM ZURI	ALB	20 05E 42 15N	8000A5 F3	20	5	ND	-	150	400	HOR	4/85.25 5/91.75 3/GRC
11	88 +	-	KELZURA	ALB	20 07E 40 20N	8000A5 F3	20	5	ND	-	500	800	VER	4/35.25 5/91.75 3/GRC
12	88 +	1. 3.64	PLOVDIV	BUL	24 42E 42 08N	8000A5 F3	100	25	ND	-	100	200	HOR	4/85.25 5/91.75 3/GRC 8
13	88 +	-. -.63	TOKAJ	HNG	21 23E 48 07N	3000A5 F3	80	20	ND	-	300	-	HOR	4/85.25 5/91.75
14	88 +	-. -.61	WLOCLAWEK	POL	19 20E 52 34N	8000A5 F3	1	0.2	ND	90	110	100	VER	4/85.25 5/91.75
15	88 +	1. 6.64	PETROSANI	ROU	23 25E 45 30N	8000A5 F3	12	3	ND	-	-	200	VER	4/85.25 5/91.75
16	88 +	1. 6.63	SUCEAVA	ROU	26 22E 47 38N	8000A5 F3	100	25	ND	-	-	400	HOR	4/85.25 5/91.75
17	88 +	1. 5.62	JESENÍK	TCH	17 15E 50 05N	7250A5C/750F3	30	12	-	-	650	-	VER	1/240°-230°/1(A5) + 0, 4 (F3) 1/180°-240°/2, 5 (A5) + (F3) 4/85.25 5/91.75

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41.

+ Part of the necessary bandwidth for this assignment falls within the bands 68-73 Mc/s and 76-87.5 Mc/s covered by the present Agreement; the inclusion of this assignment in the Plan shall not prejudice in any way the decision which may be taken at the following European VHF - UHF Broadcasting Conference.

ARTICLE 3

EXPLANATION OF THE SYMBOLS USED IN COLUMN 13c-5

42. 1/.../... Within sector ... the effective radiated power is reduced to ... kW.
43. 2/.../... In the direction of ... the effective radiated power is reduced to ... kW.
44. 3/... Still to be coordinated with ...
45. 4/... The carrier frequency for the vision transmission of this television broadcast is ... Mc/s.
46. 5/... The carrier frequency for the sound transmission of this television broadcast is ... Mc/s.
47. 6 Czechoslovakia will use this channel for stations of which the technical characteristics are in conformity with the technical factors specified in the Associated Agreement annexed to the Special Regional Conference, Geneva, 1960.
48. 7/.../... On the azimuth ... the height of the antenna calculated in accordance with C.C.I.R. Recommendation No. 312, Los Angeles, 1959, is ... metres.
49. 8 Provisional agreement between the People's Republic of Bulgaria and Turkey.

ANNEX 3

TO THE REGIONAL AGREEMENT CONCERNING THE USE
OF FREQUENCIES IN THE BANDS 68-73 Mc/s AND 76-87.5 Mc/s
BY THE BROADCASTING SERVICE ON THE ONE HAND
AND THE FIXED AND MOBILE SERVICES ON THE OTHER

(in conformity with No. 250 of the Radio Regulations,
Geneva, 1959)

50. In the preparation of the Agreement and associated Plans concerning the broadcasting service on the one hand and the fixed and mobile services on the other hand in the bands 68-73 Mc/s and 76-87.5 Mc/s in conformity with No. 250 of the Radio Regulations, Geneva, 1959, the Special Regional Conference, Geneva, 1960, took into account the following technical factors.

ARTICLE 1

PROPAGATION CURVES

1. PROPAGATION CURVES

51. 1.1 For field-strength values for 10% of the time (interfering field): for short distances the Federal Communications Commission (F.C.C.) curves (Sixth Report and Order, April 1952) have been adopted and for long distances, the C.C.I.R. curves (Recommendation No. 312, Los Angeles, 1959); these curves are given in Figure 1.
52. 1.2 For field-strength values for 50% of the time (wanted field): the F.C.C. curves (Sixth Report and Order, April 1952) have been adopted; these curves are given in Figure 2.
53. 1.3 For field-strength values of 1% of the time (interfering field): the C.C.I.R. curves (Recommendation No. 312, Los Angeles, 1959) have been adopted.

54. 2. INFLUENCE OF THE HEIGHT OF THE RECEIVING ANTENNA ON THE RECEIVED FIELD STRENGTH

The influence of transmitting and receiving antenna heights on the values of the field strength is given by the following formula :

$$x' = x + 70 - 4.1 \sqrt{h'}$$

where

$$\sqrt{h'} = \sqrt{h_1} + \sqrt{h_2} - \sqrt{10}$$

in this formula :

x' = corrected distance (km);

x = distance (km);

h_1 = transmitting antenna height (m);

h_2 = receiving antenna height (m).

This formula is an extension of that mentioned in C.C.I.R. Recommendation No. 312, Los Angeles, 1959; it is only an approximation and applicable at distances beyond about the optical range. Within the optical range the variation of field-strength with antenna heights as given in the C.C.I.R. atlas has been used, keeping in mind the bases on which this atlas was prepared.

Figure 3 shows the formula as a nomogram.

ARTICLE 2

PROTECTION RATIOS

1. MUTUAL PROTECTION RATIOS BETWEEN FM SOUND BROADCASTING AND THE MOBILE AND FIXED SERVICES

55. 1.1 Protection Ratios required by FM Sound Broadcasting against Fixed and Mobile Services

The protection ratio curve used by the International Broad-

casting and Television Organization (I. B. T. O.) for planning FM Sound Broadcasting with a maximum frequency deviation of ± 50 kc/s has been used to determine the protection necessary when the interference comes from a fixed or mobile communications service.

The curve is given in Figure 4 and applies to normal conditions; however, in particular cases, the Administrations concerned may have adopted other figures.

56. 1.2 Protection Ratios required by Fixed and Mobile Services against FM Sound Broadcasting

The protection ratios required by a fixed or mobile communication services using frequency-modulation with a maximum deviation of up to ± 15 kc/s where the interfering signal is an FM sound broadcasting signal with a maximum deviation of ± 50 kc/s are given by the curves in Figure 5. Curve A applies to receivers designed for 50 kc/s channel spacing, now in general use, and Curve B to receivers designed for 25 kc/s channel spacing, which will be used in some countries in the future.

These protection ratios apply to a commercial-grade service; for a high-grade service the figures are about 10 db higher.

These curves apply to normal conditions; however, in particular cases the Administrations concerned may have adopted other figures.

2. MUTUAL PROTECTION RATIOS BETWEEN TELEVISION AND THE FIXED AND MOBILE SERVICES

57. 2.1 Protection Ratios required by Television against Fixed and Mobile Services

The protection ratio curve in C. C. I. R. Report No. 125, Los Angeles, 1959, that applies to a 625-line television system, has been used to determine the protection necessary when the interfering signal is a frequency-modulated signal of a fixed or mobile communications service. The curve is given in Figure 6.

Where the interfering signal is amplitude-modulated, the protection ratios are increased by 5 db.

The curve applies to monochrome television. No adequate data are available regarding the protection required by colour television (the protection required by colour television will, however, be appreciably greater in the vicinity of the colour sub-carrier frequency than is indicated by the curve of Figure 6).

The protection required by the sound channel of television, is the same as that adopted for FM sound broadcasting.

58. 2.2 Protection Ratios required by Fixed and Mobile Services against Television

The protection ratios required by a frequency-modulated fixed or mobile communications service, where the interfering signal is a 625-line vision signal, are given by the curve in Figure 7 *). These protection ratios apply to a commercial-grade service; for a high-grade service the figures are about 10 db higher.

Where the communications service uses amplitude-modulation the protection ratios are increased by 10 db.

The curve in Figure 7 applies to monochrome television; no adequate data are available for an interfering colour television signal (the protection required by a communications service operating on a frequency in the vicinity of the colour sub-carrier of a colour television transmission is, however, appreciably greater than indicated by the curve in Figure 7).

The protection required by a communications service against the sound channel of television is the same as that adopted for FM sound broadcasting.

*) In monochrome television, when the video signal is a test pattern, for example an electronically generated test pattern, containing exceptionally high energy components at the higher video frequencies, the protection required at these frequencies is appreciably greater than indicated by the curve in Figure 7.

ARTICLE 3

FIELD-STRENGTH TO BE PROTECTED

1. MINIMUM FIELD-STRENGTH TO BE PROTECTED

59. 1.1 For FM sound broadcasting :
- 1.1.1 0.25 mV/m in general;
- 1.1.2 for certain special cases :
- 1 mV/m in urban areas;
3 mV/m in large cities.
- (see C.C.I.R. Recommendation No. 263, Los Angeles, 1959).
60. 1.2 For television :
- 0.5 mV/m in rural areas;
2 mV/m in urban areas and large cities.
61. 1.3 For fixed and mobile services :
- 5 μ V/m normally; this figure is appropriate to rural areas where the level of industrial interference is low ;
 - 10 μ V/m in rural and urban areas where industrial interference is high;
 - 20 μ V/m in urban areas and cities where industrial interference is very high.

2. USE OF DIRECTIONAL AERIALS

62. 2.1 Neither in the mobile services nor in VHF sound broadcasting reception has additional protection by the use of directional antennae been assumed.
63. 2.2 In television where simple directional receiving aerials can be used, additional protection of up to 6 db has been taken in conformity with the curve in Figure 8.
64. 2.3 Where directional transmitting antennae are used at sound broadcasting and television stations an additional protection of up to 15 db has been taken.

65. 2.4 In the fixed services (point-to-point) the use of directional antennae has been taken to provide an additional protection of at least 6 db.

66. 3. USE OF CROSS-POLARIZATION

The use of cross-polarization, for all the services concerned, has been taken to afford an extra 10 db protection at 90% of receiving locations.

67. 4. PERCENTAGE OF TIME DURING WHICH PROTECTION MUST BE PROVIDED

All the services concerned have been protected, in general, for 90% of the time; however, for specific cases Administrations have agreed to the adoption of higher figures.

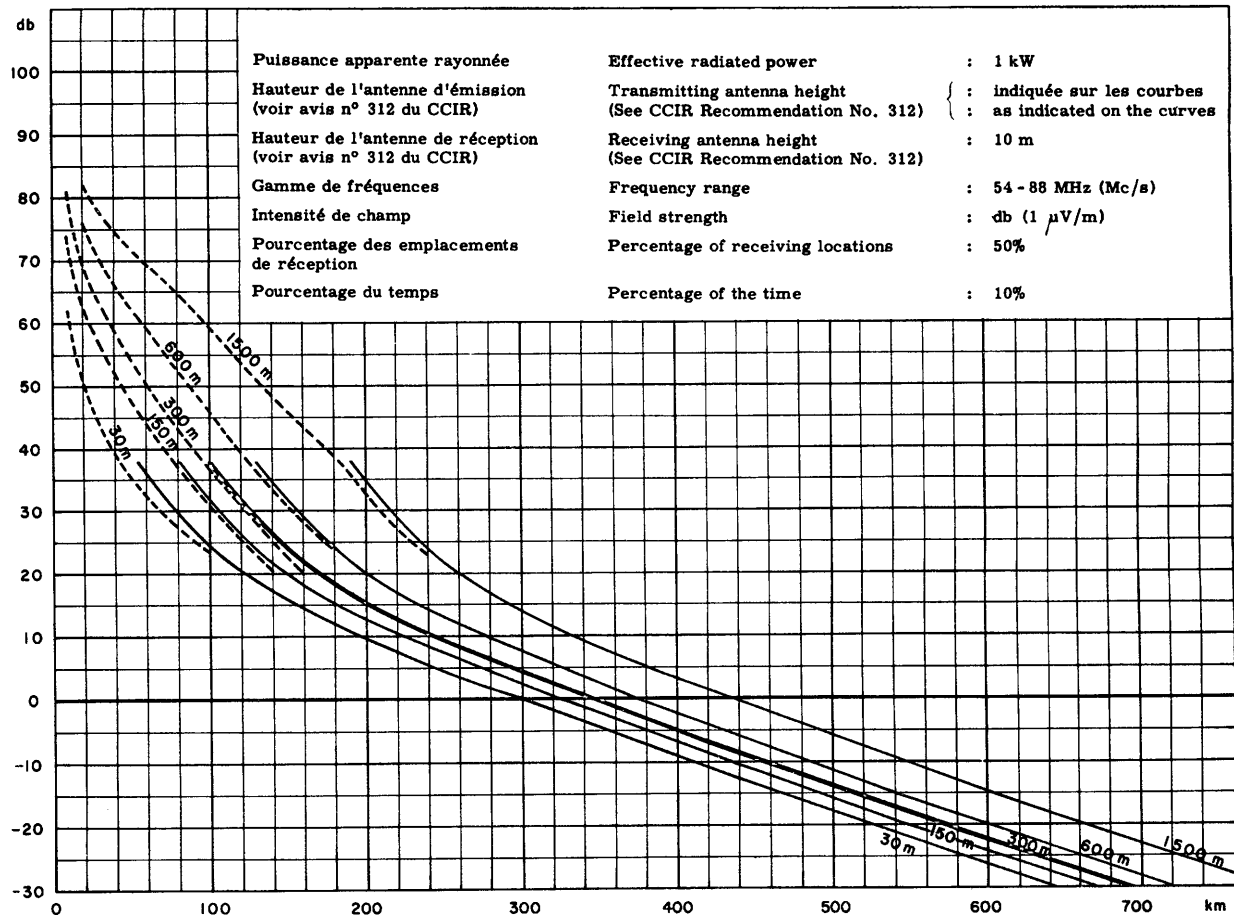


FIGURE 1

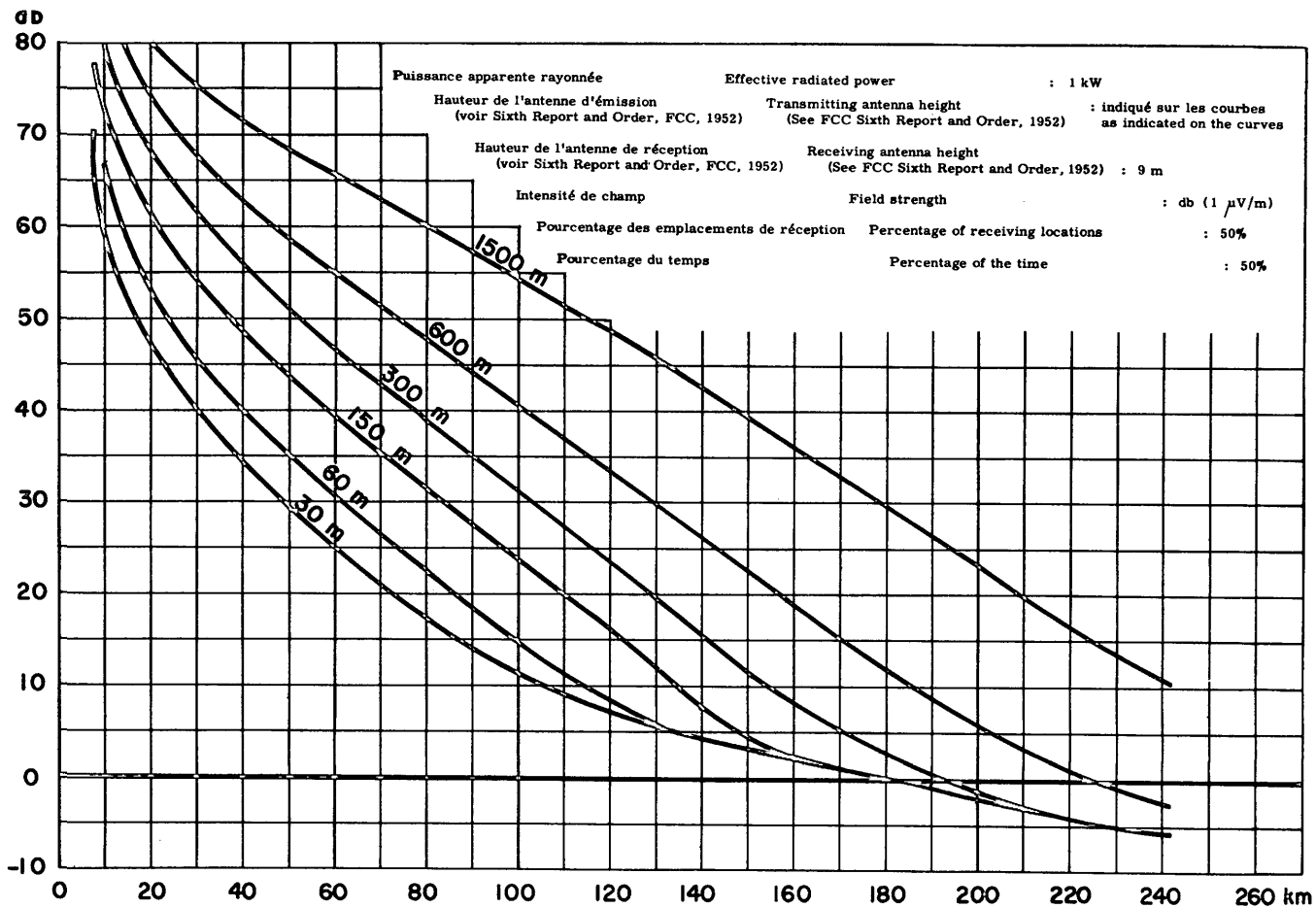
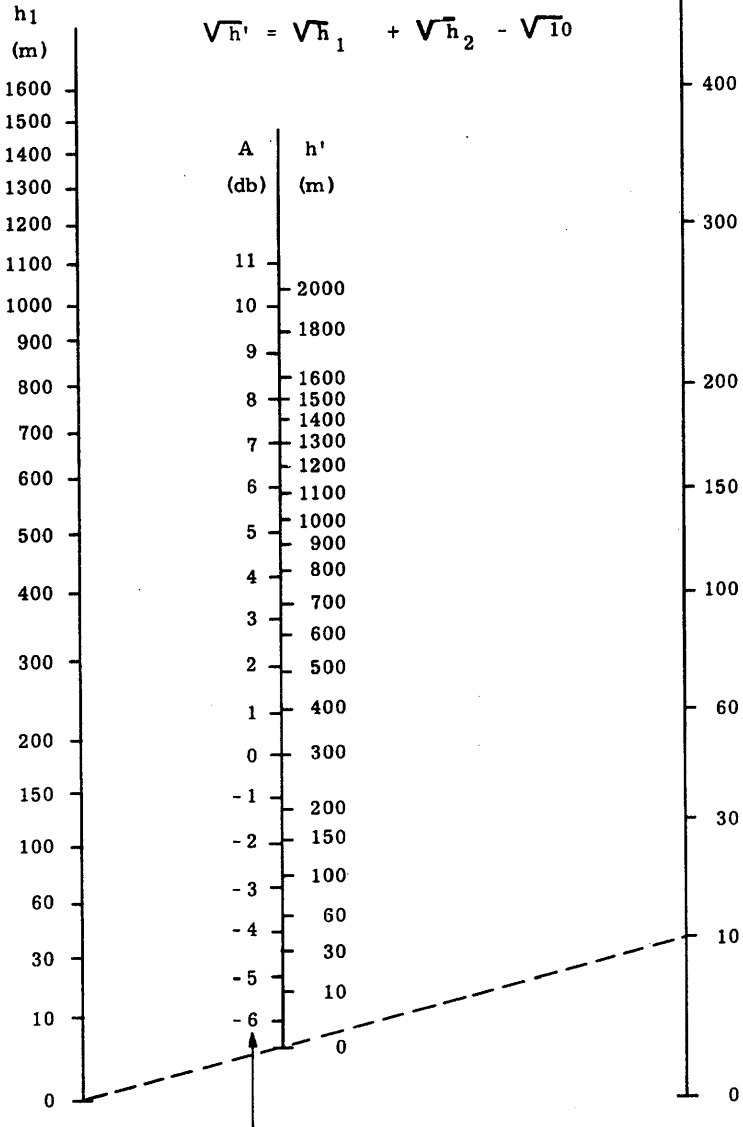


FIGURE 2



Echelle en db applicable uniquement dans la région linéaire de la figure 1 de l'avis n° 312 du C.C.I.R. (voir également figure 1 ci-dessus).

FIGURE 3

db scale applicable in the linear region of Figure 1 of C.C.I.R. Recommendation No. 312 only
(See also Figure 1 above).

RAPPORTS DE PROTECTION REQUIS POUR LA RADIODIFFUSION SONORE A MODULATION DE FREQUENCE

VIS-A-VIS DES SERVICES FIXE ET MOBILE

PROTECTION RATIOS REQUIRED BY FM SOUND BROADCASTING AGAINST FIXED AND MOBILE

COMMUNICATION SERVICES

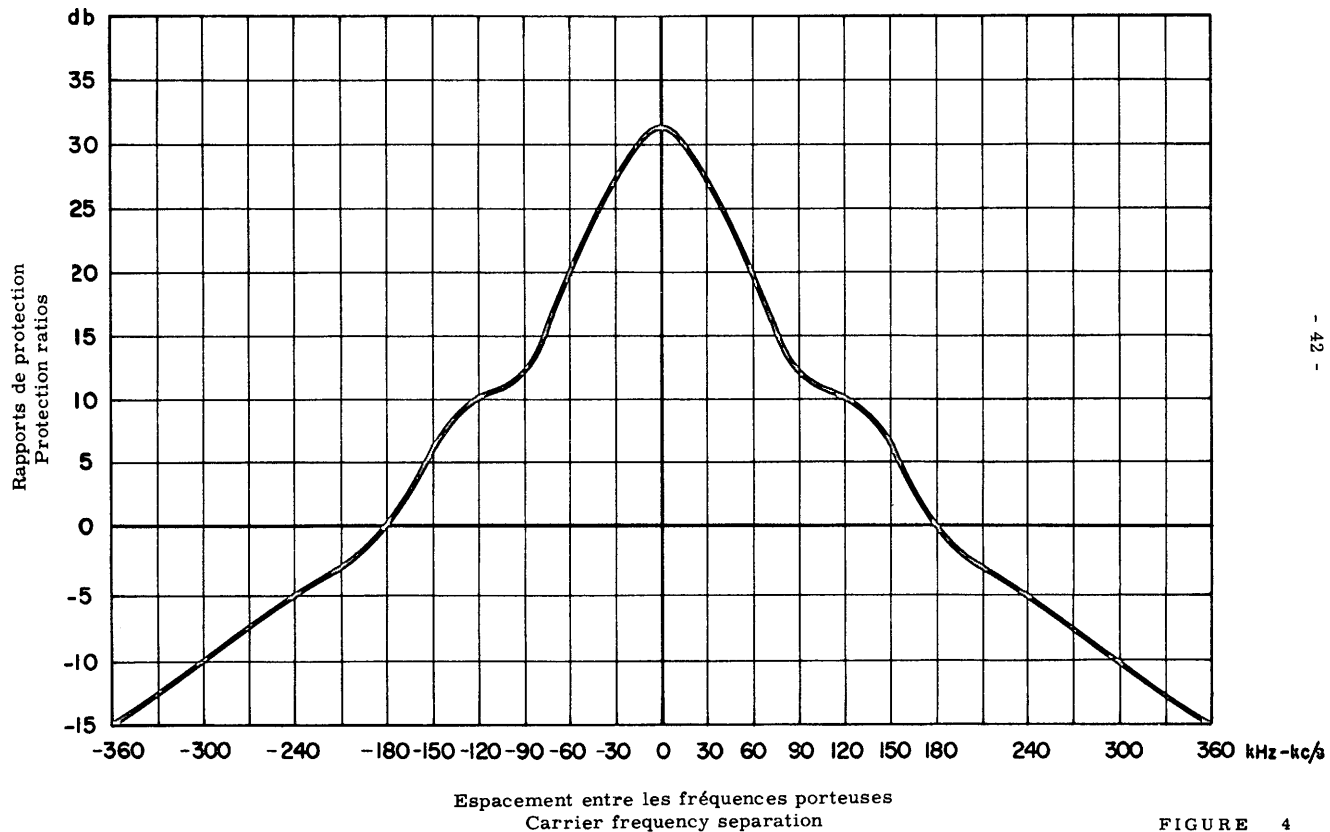


FIGURE 4

RAPPORTS DE PROTECTION (SERVICE DE QUALITE COMMERCIALE) REQUIS
POUR LES SERVICES FIXE ET MOBILE A MODULATION DE FREQUENCE
VIS-A-VIS D'UNE EMISSION DE RADIODIFFUSION A MODULATION DE
FREQUENCE AVEC UNE EXCURSION MAXIMALE DE ± 50 kHz

PROTECTION RATIOS (COMMERCIAL GRADE) REQUIRED BY FM FIXED AND
MOBILE SERVICES AGAINST FM BROADCASTING WITH A MAXIMUM
FREQUENCY DEVIATION OF ± 50 kc/s

Courbe A : Récepteur pour espacement entre voies de 50 kHz
Courbe B : Récepteur pour espacement entre voies de 25 kHz

Curve A : Receiver for 50 kc/s channel separation
Curve B : Receiver for 25 kc/s channel separation

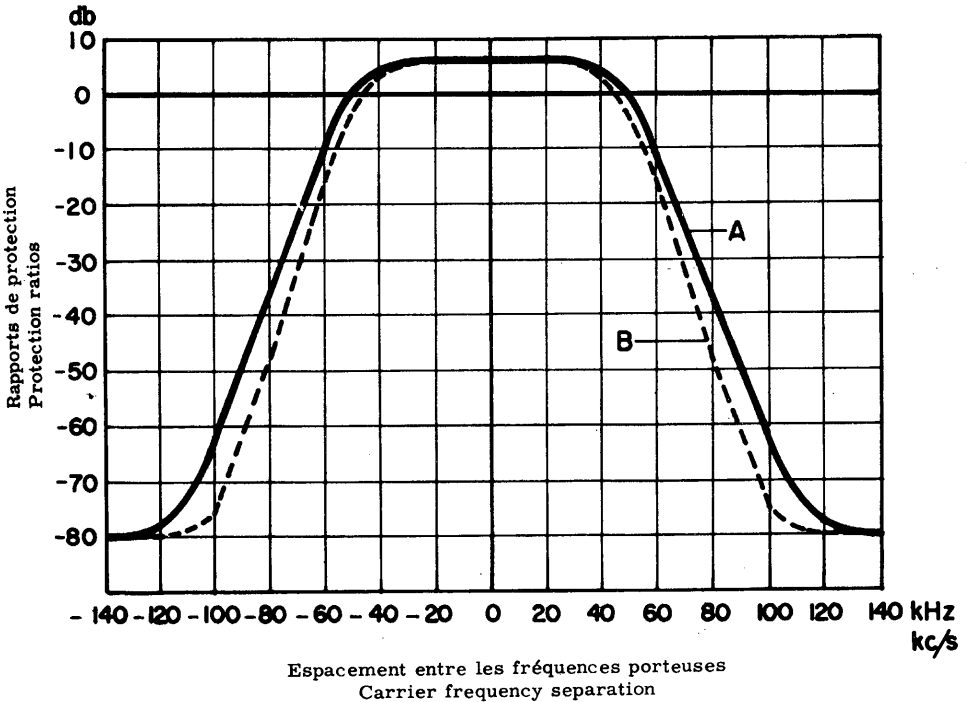


FIGURE 5

RAPPORT DE PROTECTION REQUIS POUR LA TELEVISION A 625 LIGNES (VISION, NORMES DE L'O.I.R.T.)

VIS-A-VIS D'UNE EMISSION A MODULATION DE FREQUENCE DES SERVICES FIXE ET MOBILE

PROTECTION RATIOS REQUIRED BY 625-LINE VISION (I.B.T.O. STANDARDS) AGAINST FM

FIXED AND MOBILE COMMUNICATION SERVICES

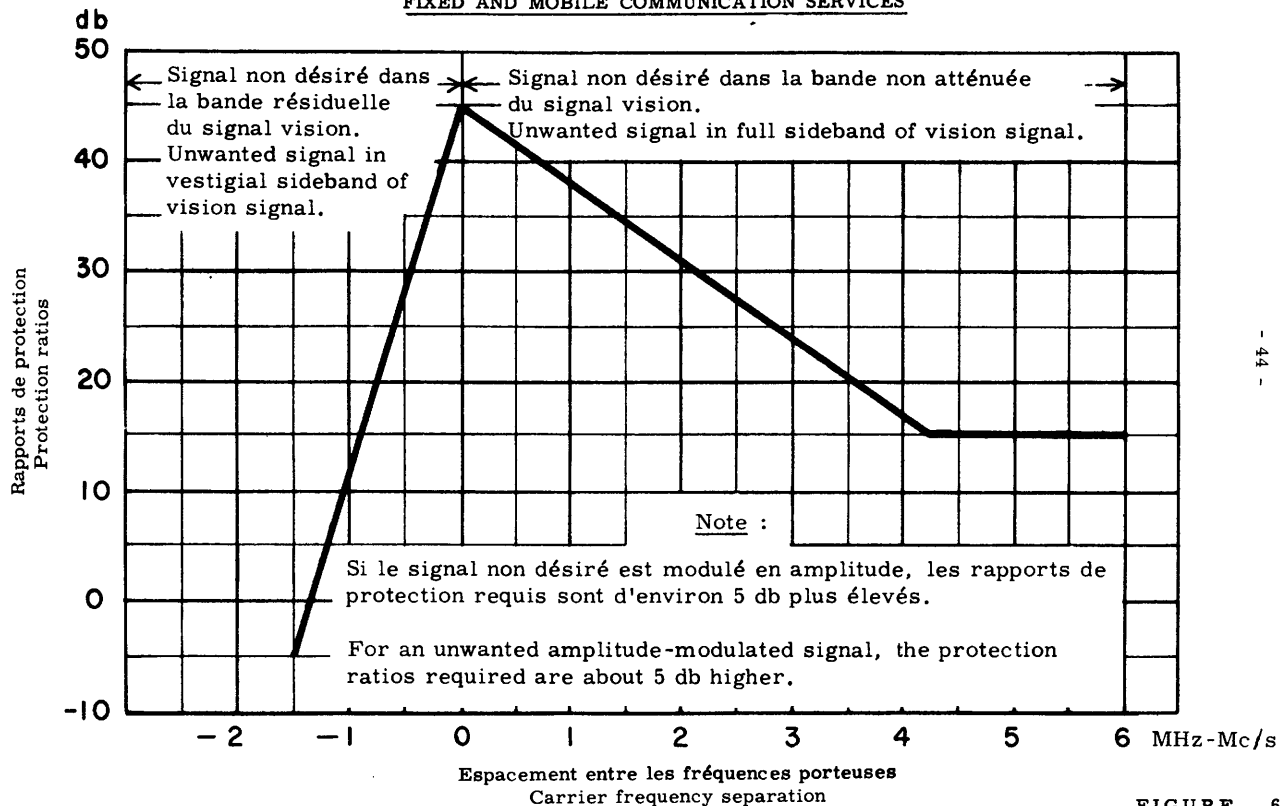


FIGURE 6

RAPPORTS DE PROTECTION (SERVICE DE QUALITE COMMERCIALE) REQUIS POUR LES SERVICES
FIXE ET MOBILE VIS-A-VIS DE LA TELEVISION A 625 LIGNES (VISION, NORMES DE L'O.I.R.T.)

PROTECTION RATIOS (COMMERCIAL GRADE) REQUIRED BY FM FIXED AND MOBILE COMMUNICATION
SERVICES AGAINST A 625-LINE VISION SIGNAL (I.B.T.O. STANDARDS)

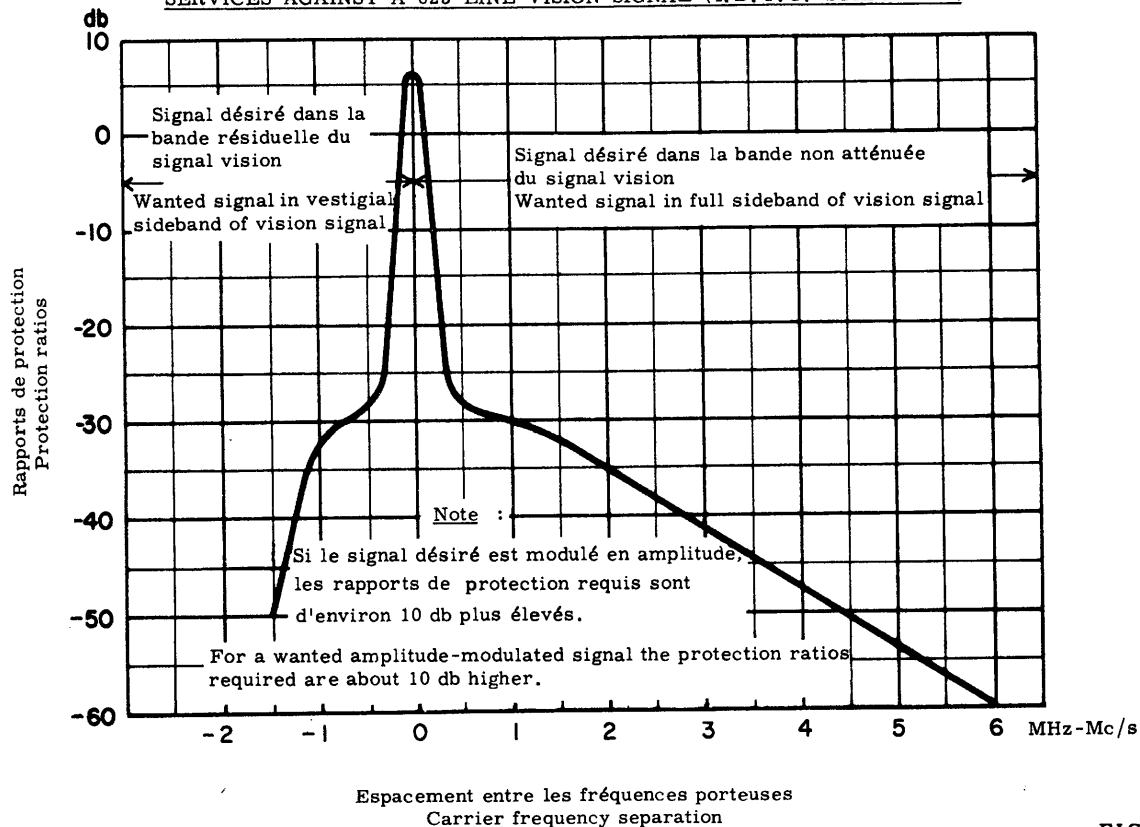
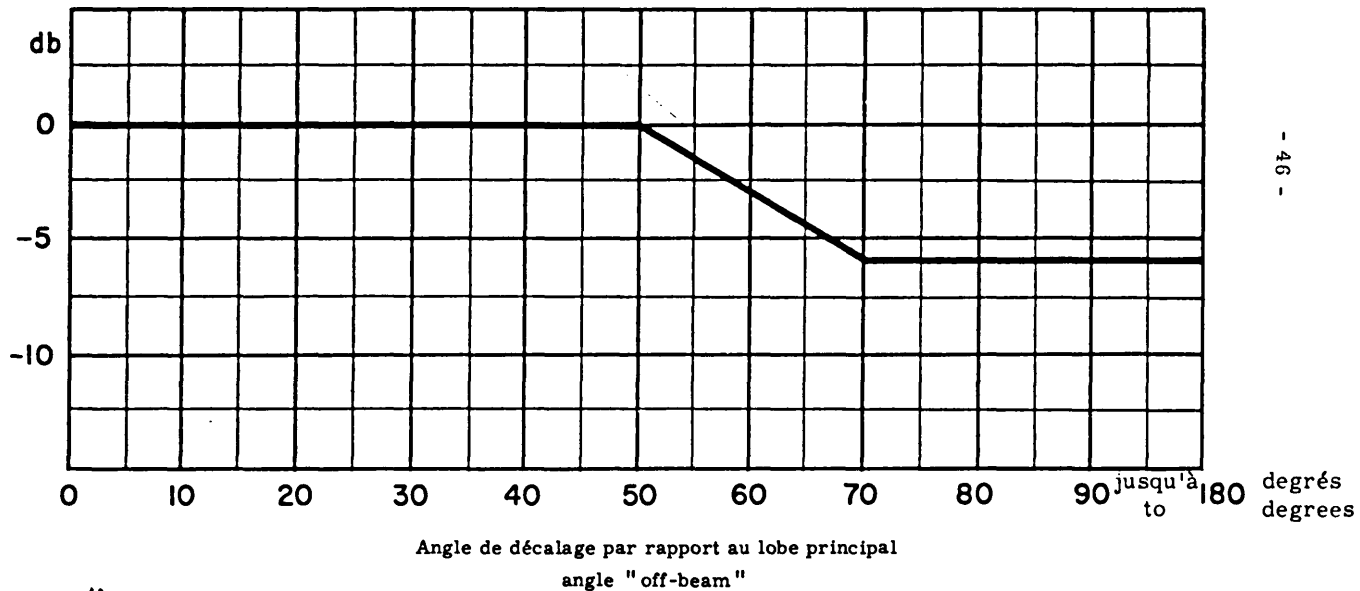


FIGURE 7

DISCRIMINATION DES ANTENNES DE RECEPTION DE TELEVISION CONTRE LES SIGNAUX
BROUILLEURS, D'APRES 90% DES VALEURS DE DISCRIMINATION MESUREES DANS
DES ZONES CONSTRUITES, EN FONCTION DE L'ANGLE DE DECALAGE
PAR RAPPORT AU LOBE PRINCIPAL

DISCRIMINATION AGAINST INTERFERING SIGNALS BY TELEVISION RECEIVING AERIALS
AS A FUNCTION OF THE ANGLE "OFF-BEAM", BASED ON 90% VALUES OF DISCRIMINATION
MEASURED IN BUILT-UP AREAS



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FIGURE 8

FINAL PROTOCOL TO THE REGIONAL AGREEMENT
OF GENEVA, 1960

At the time of signing the Regional Agreement of Geneva, 1960, the undersigned delegates take note of the following reservations.

FRANCE

The Delegation of France expresses reservations concerning the use of the technical factors mentioned in Annex 3 to the Regional Agreement, Geneva, 1960. In particular, it considers that the values specified in this Annex 3 may prove to be very far from the values met with under practical operating conditions in the fixed and mobile services.

GREECE

The Administration of Greece reserves the right to observe, or not to observe, the provisions of this Agreement until such time as a final arrangement has been concluded between Greece, the People's Republic of Bulgaria and the People's Republic of Albania, concerning the operation, in the bands 70-73 Mc/s and 76-87.5 Mc/s, of stations to be installed in Bulgaria and Albania.

TURKEY

In spite of the efforts and concessions made, the Delegation of Turkey has been unable to reach a full and final agreement with the Delegation of the People's Republic of Bulgaria.

On signing the Finals Acts of this Conference, the Delegation of Turkey states that it reserves the right for its Government not to observe the provisions of the Agreement and its annexes and to take any action it might think desirable in order to safeguard the interests of its country until such time as the Administrations of Turkey and the People's Republic of Bulgaria, by means of subsequent negotiations, may conclude an arrangement that will be satisfactory for Turkey.

RESOLUTION

The Special Regional Conference, Geneva, 1960,

considering

that a part of the 84-92 Mc/s band, used by television stations comes within the province of the European VHF-UHF Broadcasting Conference,

decides

that, should the decisions of this forthcoming European Broadcasting Conference affect the Plans of this Agreement, the Administrations affected should be invited to take action by mutual agreement as described in Article 5; and

instructs

the Secretary-General to bring this Resolution to the notice of the forthcoming European VHF-UHF Broadcasting Conference.

