



This electronic version (PDF) was scanned by the International Telecommunication Union (ITU) Library & Archives Service from an original paper document in the ITU Library & Archives collections.

La présente version électronique (PDF) a été numérisée par le Service de la bibliothèque et des archives de l'Union internationale des télécommunications (UIT) à partir d'un document papier original des collections de ce service.

Esta versión electrónica (PDF) ha sido escaneada por el Servicio de Biblioteca y Archivos de la Unión Internacional de Telecomunicaciones (UIT) a partir de un documento impreso original de las colecciones del Servicio de Biblioteca y Archivos de la UIT.

(ITU) للاتصالات الدولي الاتحاد في والمحفوظات المكتبة قسم أجراه الضوئي بالمسح تصوير نتاج (PDF) الإلكترونية النسخة هذه والمحفوظات المكتبة قسم في المتوفرة الوثائق ضمن أصلية ورقية وثيقة من نقلًا.

此电子版（PDF版本）由国际电信联盟（ITU）图书馆和档案室利用存于该处的纸质文件扫描提供。

Настоящий электронный вариант (PDF) был подготовлен в библиотечно-архивной службе Международного союза электросвязи путем сканирования исходного документа в бумажной форме из библиотечно-архивной службы МСЭ.

INTERNATIONAL RADIO CONSULTATIVE COMMITTEE

C.C.I.R.

XIIIth PLENARY ASSEMBLY

GENEVA, 1974

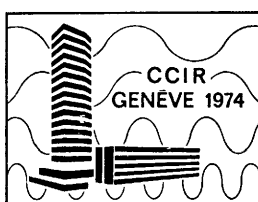
SUPPLEMENT TO VOLUME XIII

ALPHABETICAL INDEX

(ADVANCE EDITION)

TO

C.C.I.R. TEXTS CONTAINED IN VOLS I-XII



Published by the

INTERNATIONAL TELECOMMUNICATION UNION
GENEVA, 1976

INTERNATIONAL RADIO CONSULTATIVE COMMITTEE

C.C.I.R.

XIIIth PLENARY ASSEMBLY

GENEVA, 1974

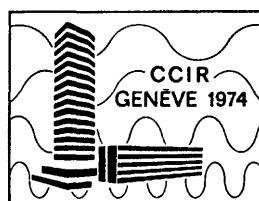
SUPPLEMENT TO VOLUME XIII

ALPHABETICAL INDEX

(ADVANCE EDITION)

TO

C.C.I.R. TEXTS CONTAINED IN VOLS I-XII



Published by the

INTERNATIONAL TELECOMMUNICATION UNION

GENEVA, 1976

ISBN 92-61-00201-3

© I.T.U.

Processed by the I.T.U. Computer/Photocomposition System.

INTRODUCTION

This advance edition of an index to the technical texts contained in Volumes I to XII of the Conclusions of the XIIIth Plenary Assembly of the C.C.I.R., Geneva 1974, has been prepared in pursuance of the objectives of C.C.I.R. Resolution 60, adopted by that Plenary Assembly. It should be noted that it also covers those C.C.I.R. texts which are published separately.

Each individual Volume of the Conclusions already contains, in the first pages, tables showing the distribution of the various texts (Recommendations, Reports, Questions, etc.) among all the Volumes, as well as an "Index of texts" which lists the texts in that Volume, in numerical order and with titles. The present alphabetical index, on the other hand, relates to the detailed technical contents of whole set of twelve volumes.

Entries in the index are in the form of a principal index term (key-word) followed, according to the need for supplementary detail, by a descriptor and a short text. The principal key-word appears in bold type and the descriptors and text are distinguishable by differing indentations. Where formal definitions are referred to the word 'definition' is printed in italics.

The selection of entries has been made bearing in mind the requirements of engineers using the Volumes. Each reference indicates where substantive information is given in respect of that particular entry and no mention is made of merely incidental appearances of the same entry in some other context. Entries referring to International Organizations have been included only when their work has a direct relation to that of the C.C.I.R. In some instances it has been necessary to abbreviate the titles of such organizations and users should refer to the relevant text in the Volumes for the complete version.

Every effort has been made to select the most useful key-words and to ensure the correctness of the references. However, the Director, C.C.I.R., with the ultimate objective of Resolution 60 in mind, would welcome any comments that users may wish to make upon any aspect of the index.

A

absorption			
atmospheric			
see under "radiometeorology"			
auroral			
see also Report 252-2, Report published separately	Rep. 572	VI	58
	Rep. 263-3	VI	227
affecting choice of frequency band, aeronautical/maritime satellites			
	Rep. 504-1	VIII	219
ionospheric			
	Rep. 263-3	VI	223
broadcasting in the Tropical Zone			
	Rep. 305-3	X	189
computation			
	Rep. 252-2	VI	49
	Rep. 572	VI	58
ionospheric cross-modulation			
	Rep. 574	VI	180
measurement			
	Rep. 253-2	VI	49
prediction of sky-wave field strengths			
	Rep. 575	VI	187
polar cap			
	Rep. 263-3	VI	228
affecting choice of frequency band, aeronautical/maritime satellites			
	Rep. 504-1	VIII	220
access			
capability			
frequencies in a cell system, Land Mobile Service	Rep. 319-3	VIII	192
methods			
access to communication channels, Maritime Mobile-Satellite Service	Rep. 596	VIII	379
multiple			
see "multiple access"			
accuracy			
see under subject concerned			
active communication satellite			
see under "communication satellite"			
active satellite			
<i>definition</i>	Rep. 204-3	IV	17
see also under "communication satellite"			
Aeronautical Mobile Service			
(see Section 8D, Volume VIII)			
aeronautical mobile communication			
operational functions			
Aeronautical Mobile-Satellite Service	Rep. 595	VIII	374
air traffic, movements			
North Atlantic, operational aspects, Aeronautical Mobile-Satellite Service	Rep. 595	VIII	373
alarm signals			
maritime radiotelephony, distress frequency 2182 kHz	Rec. 219-1	VIII	51
altitude			
absolute			
of aircraft, in radiodetermination systems, geostationary satellite	Rep. 515-1	VIII	316
apogee (perigee)			
<i>definition</i>	Rep. 204-3	IV	19
Amateur-Satellite Service			
frequency sharing			
interference to television, radiodetermination, to fixed, mobile and other services	Rep. 542	II	94
preferred frequency bands, criteria for sharing			
	Q. 13-1/2	II	317
satellite data			
	Rep. 542	II	95
American Standards Association (ASA)			
radio-noise and field-strength meters			
measurement: radio influence and field	Rep. 227-1	V	151
amplitude modulation			
see under service or application concerned			
amplitude-modulation sound broadcasting			
	Rec. 262-1	X	18
	Rec. 449-2	X	23
receiver, noise, sensitivity, selectivity and stability			
	Op. 32	I	518
receiver, sensitivity, selectivity and stability			
	Rec. 237-1	I	17
Broadcasting Service (sound)			
(see Section 10A, Volume X)			
carrier spacing			
effect of closer carrier spacing in band 7 (HF)	Rec. 262-1	X	18
protection ratio			
audio-frequency protection ratio, radio-frequency protection ratio			
	Rep. 298-3	X	28
radio-frequency protection ratio, objective two-signal methods for determining			
	Rep. 399-2	X	36
relative radio-frequency protection ratio curves			
	Rec. 449-2	X	22
signal-to-interference ratios			
<i>definitions</i>	Rec. 447	X	21

Amplitude-modulation sound broadcasting (cont'd)

SSB transmission				blade			
compatible, methods of generating, standardization aspects, harmonic distortion of envelope of modulated radio-frequency signal				aircraft antenna, aeronautical satellite system			
	Rep. 299-3	X	32		Rep. 594	VIII	364
				radiation pattern, mounted on aircraft, aeronautical satellite system			
					Rep. 594	VIII	369
angle				cavity-backed slot-dipole			
arrival				aircraft antenna, aeronautical satellite system			
see under "propagation, curves, statistics and data, fixed service, line-of-sight systems"					Rep. 594	VIII	365
elevation				collective and individual characteristics recommended, domestic reception of signals from terrestrial transmitters			
minimum polar coverage using 12-hour elliptical orbits inclined at 63°, Mobile-Satellite Service					Rep. 482 S.P. 9A-1/11	XI XI	114 285
	Rep. 506	VIII	259	crossed-dipole			
minimum, Fixed-Satellite Service, earth station antenna				aircraft antenna, aeronautical satellite system			
	Rep. 385-1 Rep. 385-1	IV IV	159 159	crossed-slot			
grazing				aircraft antenna, aeronautical satellite system			
dependence on, multipath reflection, satellite experiment					Rep. 594	VIII	365
	Rep. 505-1	VIII	254	roll and pitch plane pattern, aeronautical satellite system			
measurement by interferometer radio-determination techniques, Aeronautical/Maritime Mobile-Satellite Services					Rep. 594	VIII	370
	Rep. 509-1	VIII	292	directional			
anomalous period				band 7 (HF), broadcasting			
definition					Rep. 32-2 Q. 14-1/10	X X	27 227
	Rep. 204-3	IV	19	band 7 (HF), field strength in directions other than that of the main lobe			
antenna					Rec. 80	X	17
C.C.I.R. Antenna Handbook (published separately)				bands 4 to 27.5 MHz			
Manual on broadcasting in band 7 (HF) in the Tropical Zone (published separately)					Q. 20/1	I	479
Manual on high-frequency directional antenna (published separately)				bands 4 to 28 MHz, fixed service, HF			
radiation diagrams (patterns)					Rec. 162-2 Rep. 356-2	III III	23 52
	Rep. 614	IX	234	improvement obtainable from, fixed service, HF			
aircraft					Rep. 106-1 S.P. 3A-2/3	III III	35 204
radiodetermination system, geostationary satellites				Manual on high-frequency directional antennae (published separately)			
	Rep. 515-1	VIII	317	radiation diagrams, presentation of			
special problems, aeronautical satellite system					Rec. 414	X	20
	Rep. 594	VIII	363	directive gain			
aircraft and ships				definition			
satellite communication or radiodetermination systems					Rec. 162-2	III	23
	Rep. 594	VIII	361	directivity			
arrays				at great distances, fixed service, HF			
adaptive, aircraft antenna, aeronautical satellite system					Rep. 107-1 Q. 3/3	III III	39 204
	Rep. 594	VIII	365	broadcast sound and television reception			
electronically steered, aircraft antenna, aeronautical satellite system					Rec. 419 Rec. 419	X XI	113 98
	Rep. 594	VIII	365	diversity			
beam				combination of, multipath fading, Maritime Mobile-Satellite Service			
satellite, aeronautical/maritime mobile-satellite system					Rep. 603	VIII	419
	Rep. 596	VIII	382	see also under "diversity"			

antenna (cont'd)

earth stations									
Fixed-Satellite Service, characteristics	Rep. 390-2	IV	160	characteristics of receiving antennae and television receivers, for frequency planning purposes	Rep. 625 S.P. 26A/11 Q. 26/11	XI	126		
Fixed-Satellite Service, radiation characteristics	S.P. 1C/4	IV	305			XI	298		
Fixed-Satellite Service, radiation diagrams, interference studies	Rep. 391-2	IV	176	sound broadcasting antenna, receiver characteristics	S.P. 36A/10	X	251		
Fixed-Satellite Service, reference radiation pattern (diagram)	S.P. 1A-1/4	IV	304	sound broadcasting receivers, principal characteristics, for frequency planning purposes	Rep. 617	X	101		
radiation diagrams	Rep. 453-1	IV	191	satellite					
factor				Fixed-Satellite Service, radiation patterns	Rep. 558	IV	259		
definition	Rec. 162-2	III	23	radiation characteristics, Fixed-Satellite Service	S.P. 1B/4	IV	304		
factor affecting choice of frequency				radiodetermination system, geostationary satellites	Rep. 515-1	VIII	317		
telecommunications between aircraft/ship and satellite	Rep. 504-1	VIII	217	self-supporting aboard ship	Q. 6/8	VIII	428		
Fixed-Satellite Service general	Q. 1-2/4	IV	303	aboard ship, performance at 500 kHz	Rep. 502-1 S.P. 6A-2/8 Op. 43-1	VIII	127		
high-efficiency broadcasting in bands 5 (LF) and 6 (MF)	Q. 13/10	X	227			VIII	429		
monitoring stations	Q. 31/1	I	489	ship		VIII	462		
frequencies below 30 MHz, between 30 MHz and 1 GHz, above 1 GHz, feeders, earth connections, needed improvements in characteristics of monitoring antennae	Rep. 373-2	I	439	special problems, maritime satellite system	Rep. 594	VIII	366		
noise temperature				ship terminal radiodetermination, geostationary satellite	Rep. 515-1	VIII	318		
earth-station receiving, contributions to	Q. 13-1/4	IV	317	spacecraft effect of plasma	Rep. 222-3	II	26		
model for purposes of early coordination	Rep. 527	I	256	space research characteristics, performance limits due to ionosphere and troposphere	S.P. 2A/2	II	308		
radiation diagrams (patterns)				steering					
earth stations	Rep. 453-1	IV	191	aircraft or ships, mobile vehicle, direction of satellite	Rep. 594	VIII	361		
earth stations, interference studies, Fixed-Satellite Service	Rep. 391-2	IV	176	switchable system three-element slot-dipole gain, aeronautical satellite system	Rep. 594	VIII	372		
publication	Res. 59	X	256	switched					
radio-relay stations, for use in interference studies	S.P. 17A/9	IX	280	aircraft antenna, aeronautical satellite system	Rep. 594	VIII	365		
radio-relay systems	Rep. 614	IX	234	television					
raked-back whip				domestic use, characteristics	Op. 39-1	XI	305		
aircraft antenna, aeronautical satellite system	Rep. 594	VIII	364	transmitting					
receiving				broadcasting in Tropical Zone, design	Rec. 139 Rep. 301-2 Q. 29/10	X	142		
broadcasting in Tropical Zone, design	Rec. 140	X	143			X	152		
						X	248		

antenna (cont'd)

transmitting, high efficiency
broadcasting, band 5 (LF)
and 6 (MF), antenna with
reduced vertical radiation, in-
fluence of ground conductivity
on vertical pattern

Rep. 401-2

X 59

apoastron

definition

Rep. 204-3

IV 19

ARQ

error correction by automatic
repetition
see also under "direct-printing
telegraphy"

Rec. 476-1

VIII 81

fixed service, HF

Rec. 342-2
S.P. 1C/3

III 119
III 203

single-channel duplex

Rep. 350

HI 189

single-channel simplex

Rep. 348-2

III 174

Maritime Mobile Service

Rec. 476-1

VIII 81

performance of systems using
FSK

HF radio circuits

Rep. 346

III 168

performance of telegraph sys-
tems

HF radio circuits

Rep. 345-1

III 158

systems in the fixed service
factors affecting the quality of
service

Rep. 197-3

III 153

telex networks

by means of automatic selec-
tion and allocation procedures

Rep. 436

III 195

arrays, antenna

see under "antenna arrays"

arrival angle

see under "propagation,
curves, statistics and data,
fixed service, line-of-sight sys-
tems"

articulation index (AI)

Aeronautical/Maritime Mo-
bile-Satellite Service, *definition*

Rep. 509-1

VIII 280

interference situations, sharing
with the conventional VHF
service, Aeronautical Satellite
Service

Rep. 512

VIII 305

variation with carrier-to-noise
density ratio, variation of,
Aeronautical/Maritime Mo-
bile-Satellite Service

Rep. 597

VIII 388

ascending (descending) node

definition

Rep. 204-3

IV 18

assigned frequency band

definition

Rec. 328-3

I 296

assignment

procedure for a working channel
Maritime Mobile-Satellite Ser-
vice

Rep. 596

VIII 384

atlas

atlas of ionospheric characte-
ristics (Report 340 + supple-
ment No. 1; published sepa-
rately)

Rep. 340-1

second atlas of ground-wave
propagation curves for fre-
quencies between 30 and
10 000 Mc/s (Separate publi-
cation)

atmosphere

effect on propagation

see under "radiometeorology"

ATS (Applications Technology Satellite)

project

characteristics

Rep. 207-3

IV 32

attack time

compressor (compandors)

C.C.I.T.T. definition

Rec. 475-1

VIII 66

definition

Rec. 455-1

III 82

attenuation

atmospheric

see under "radiometeorology"

free-space, ionospheric, tropo-
spheric, etc.

see under "propagation"

passband, attenuation-slope

receiver, *definition*

Rec. 332-3

I 42

attitude control

see under "spacecraft, gener-
al"

attitude-stabilized satellite

definition

Rep. 204-3

IV 20

audio-frequency modulation

distance measurement

analogue techniques, Aero-
nautical/Maritime Mobile-Sat-
ellite Services

Rep. 509-1

VIII 289

digital techniques, Aeronauti-
cal/Maritime Mobile-Satellite
Services

Rep. 509-1

VIII 290

auto-alarm

radiotelegraph

distress frequency 500 kHz,
Maritime Mobile Service

Rec. 224

VIII 52

radiotelephony

distress frequency, 2182 kHz,
Maritime Mobile Service

Rec. 219-1

VIII 50

automatic control

HF receiving station

Rep. 551

III 76

automatic control (cont'd)

radio system, HF				of emissions			
fixed service, HF	Q. 14/3	III	210	A1	Rep. 179-1	I	110
transmitter output power				radiodetermination signal			
fixed service, HF	Q. 25/3	III	215	Mobile-Satellite Service	Rep. 507-1	VIII	273
Maritime Mobile Service	Q. 25/8	VIII	453	receiver			
availability				frequency-modulated or			
digital radio-relay systems				phase-modulated signals	Rec. 332-3	I	42
Interim Working Party	Dec. 16	IX	285	reduction of	Rep. 178-2	I	103
radio-relay systems for television				required for a television signal	Rep. 315-3	XI	111
and telephony	Q. 5-2/9	IX	262		S.P. 11A-1/11	XI	286
application of concept, calculation, effects of equipment				single-sideband techniques, by			
reliability and of propagation				means of	Rec. 100-2	I	17
on availability	Rep. 445-1	IX	165	telephone channel			
				public correspondence, maritime satellite system	Rep. 601	VIII	405

B

Babcock

channel spacing			
controlled spacing frequency			
plans, Aeronautical/Maritime			
Mobile-Satellite system	Rep. 510-1	VIII	295

back-scattering	S.P. 14A-1/6	VI	259
------------------------	--------------	----	-----

identification of sources, practical applications, unusual phenomena, direct back-scatter from ionospheric irregularities	Rep. 261-3	VI	41
---	------------	----	----

balloon tests			
satellite simulation	Rep. 599	VIII	394

bandwidth			
determination of, approximate methods	Rep. 324-1	I	408

fixed service, HF	Rec. 339-3	III	29
-------------------	------------	-----	----

sound programme circuits	Op. 41-1	XII	237
--------------------------	----------	-----	-----

emissions			
A1 and F1, radiotelegraphy, evaluation of interference produced by these emissions	Rep. 179-1	I	108

F1	Rep. 179-1	I	109
----	------------	---	-----

fixed service, HF			
receiver, telegraph or telephone, bandwidth required at output	Rec. 338-2	III	28

limitations			
methods permitting realization of limitations	Rep. 179-1	I	113

necessary			
Land Mobile Service	Rep. 319-3	VIII	184

occupied			
comparative measurements	Rep. 420	I	181

definition	Rec. 328-3	I	296
-------------------	------------	---	-----

of emissions			
A1	Rep. 179-1	I	110

radiodetermination signal			
Mobile-Satellite Service	Rep. 507-1	VIII	273

receiver			
frequency-modulated or			
phase-modulated signals	Rec. 332-3	I	42

reduction of	Rep. 178-2	I	103
--------------	------------	---	-----

required for a television signal	Rep. 315-3	XI	111
	S.P. 11A-1/11	XI	286

single-sideband techniques, by			
means of	Rec. 100-2	I	17

telephone channel			
public correspondence, maritime satellite system	Rep. 601	VIII	405

x dB bandwidth			
definition	Rec. 328-3	I	296

base stations

concentration of			
Land Mobilee Service	Rep. 319-3	VIII	190

beacon

emergency position-indicating, radio			
frequency: 2182 kHz	Rec. 439-1	VIII	61

radar (racons)			
fixed-frequency, technical parameters	Q. 27/8	VIII	455

marine identification	Rep. 318	VIII	101
-----------------------	----------	------	-----

radio			
for communications	Rec. 487	VIII	26
	Rep. 581	VIII	43
	Q. 15-1/8	VIII	442

bearings

8364 kHz, accuracy	Rec. 423-2	VIII	25
--------------------	------------	------	----

classification			
direction-finding	Rep. 93	VIII	28

HF (decametric)			
accuracy	Rep. 93	VIII	27

VHF (metric)			
accuracy	Rep. 93	VIII	27

Binary Optimum Ranging (BINOR)

code			
distance measurement, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII	291

bit

quantity of information			
definition	Rec. 166-1	XII	258

bit error performance

measurement			
digital radio-relay systems	Rep. 613	IX	182

bit error-rate see under "error rate"				bands 5 (LF), 6 (MF) and 7 (HF), factors limiting cover- age	S.P. 25F-1/10	X	242
broadcasting							
amplitude-modulation, sound programme level measurement	Rep. 292-3	X	205	band 6 (MF), factors limiting	Rep. 400-2	X	44
protection ratios: audio-fre- quency protection ratio, radio- frequency protection ratio	Rep. 298-3	X	28	factors limiting coverage in band 6 (MF)	Rec. 400-2	X	44
radio-frequency protection ra- tios, objective two-signal me- thods for determining	Rep. 399-2	X	36	digital modulation, sound standards for systems	Q. 39/10	X	253
relative radio-frequency pro- tection ratio curves	Rec. 449-2	X	22	field strength band 6 (MF), reduction of sky-wave field strength	Rep. 461 Q. 11-2/10	X X	91 226
signal-to-interference ratios, <i>definitions</i>	Rec. 447	X	21	minimum usable, bands 5 (LF) and 6 (MF), <i>definition</i>	Rec. 499	X	24
SSB transmission, compatible, methods of generating, stan- dardization aspects, harmonic distortion of envelope of mod- ulated radio-frequency signal	Rep. 299-3	X	32	minimum usable, bands 5 (LF), 6 (MF) and 7 (HF)	S.P. 25C-1/10	X	241
time signal dissemination, transmitter, addition of phase modulation	Rep. 577 S.P. 4B/7	VII VII	60 73	nominal usable, bands 5 (LF) and 6 (MF), <i>definition</i>	Rec. 499	X	25
				usable, bands 5 (LF) and 6 (MF), <i>definition</i>	Rec. 499	X	25
antenna				frequency-modulation, sound band 8 (VHF), additional pro- grammes, transmission of	Q. 26-1/10	X	243
band 7 (HF), directional an- tennae	Q. 14-1/10	X	227	band 8 (VHF), polarization of emissions	Q. 19/10	X	235
band 7 (HF), directional an- tennae, field strength in direc- tions other than that of the main lobe	Rec. 80	X	17	receivers, distortion due to multipath propagation	Q. 40/10	X	254
band 7 (HF), directional an- tennae, subsidiary lobes, re- duction of, protection obtained with directional antennae	Rep. 32-2	X	26	simultaneous transmission of two or more sound or infor- mation programmes, choice of parameters	S.P. 17A-1/10	X	232
high efficiency transmitting antennae, band 5 (LF) and 6 (MF)	Q. 13/10	X	227	standards for	Rec. 412-1	X	109
high-efficiency transmitting antenna, bands 5 (LF) and 6 (MF), antenna with reduced vertical radiation, influence of ground conductivity on verti- cal radiation pattern	Rep. 401-2	X	59	stereophonic systems, polar modulation pilot tone	Rec. 450	X	113
bandwidth				transmission of two or more sound or information pro- grammes	Q. 17-2/10	X	232
necessary bandwidth of emis- sion, bands 5 (LF), 6 (MF) and 7 (HF)	Rep. 457-1	X	66	interference due to ionospheric cross-mod- ulation, bands 5 (LF) and 6 (MF)	Rec. 498	X	24
carrier spacing				intermodulation	Rec. 498	X	24
band 7 (HF), effects of closer spacing between carriers	Rec. 262-1	X	18	operational aspects band 6 (MF), night-time; day- time and night-time	Rep. 616	X	94
coverage				planning of services service statistics	Rep. 485	XI	123
band 6 (MF), day-time	Rep. 616	X	94	power			
bands 5 (LF), 6 (MF) and 7 (HF)	S.P. 25F-1/10	X	242	limitation of radiated power, taking account of ionospheric cross-modulation, bands 5 (LF) and 6 (MF)	S.P. 25E-1/10	X	242

broadcasting (cont'd)

programmes					systems				
direct and indirect distribution to terrestrial stations, <i>definition</i>	Rep. 471-1	XI	207		radio-frequency protection ratios, bands 5 (LF), 6 (MF) and 7 (HF)	S.P. 25A-1/10	X	239	
propagation aspects see under "propagation"					standardization, bands 5 (LF), 6 (MF) and 7 (HF)	Q. 25/10	X	239	
protection ratio					standardization, characteristics, bands 5 (LF), 6 (MF) and 7 (HF)	Rep. 458-1	X	72	
radio-frequency protection ratio, co-channel transmissions, minimum usable field strength, bands 5 (LF) and 6 (MF)	Rec. 448-1	X	21		terrestrial				
radio-frequency protection ratios, bands 5 (LF), 6 (MF) and 7 (HF), presentation of measurement results	Rec. 413-3	X	20		long-distance terrestrial broadcasting, use of the 28 MHz band	Op. 15-3	X	256	
radiation					transmitter				
band 7 (HF), use of more than one frequency per programme	Rec. 410	X	18		band 7 (HF), synchronized transmitters at the same site	Rec. 205-1	X	17	
reception					Tropical Zone				
band 7 (HF), conditions for satisfactory reception	Rec. 411-1	X	19		atmospheric noise, determination of effects of, grade of reception	Q. 31/10	X	249	
Service (sound) (see "Broadcasting Service (sound)")					band 8 (VHF), advantages and disadvantages of using band 8	Q. 32/10	X	249	
Service (television) (see "Broadcasting Service (television)")					broadcasting, sound (see Section 10C, Volume X)				
service area					calculation of field strength produced by a transmitter	Rep. 305-3	X	188	
bands 5 (LF) and 6 (MF), <i>definition</i>	Rec. 499	X	25		determination of noise level	Rep. 303-1	X	178	
shared bands					fading allowances	Q. 30/10	X	248	
interference	Rep. 302 Q. 27/10 S.P. 27C/10	X X X	167 243 246		fading allowances, statistical analysis of fading on short-wave transmission, severity of fading on short waves	Rep. 304	X	185	
sky-wave signal					field strength produced by broadcasting transmitter, best method for calculating	Q. 28/10	X	247	
bands 5 (LF), 6 (MF) and 7 (HF), reception of	Rep. 619 S.P. 25D-1/10	X X	107 241		interference in the frequency bands used	S.P. 27B/10	X	245	
sound and television					limitation of power of transmitters, to avoid interference in the shared bands	Rec. 214	X	144	
satellite system, domestic or regional, for telecommunication, sound and television broadcast	Rep. 638	XII	108		Manual on broadcasting in band 7 (HF) in the Tropical Zone (Manual published separately)				
space communication techniques terminology	Rep. 471-1	XI	206		minimum permissible protection ratio, to avoid interference in the shared bands	Rec. 216	X	146	
stereophonic broadcasting	Q. 15/10	X	228		receiving antennae, design	Rec. 140	X	143	
desirable basic characteristics of a system, polar-modulation system, pilot-tone system	Rep. 300-3	X	117		shared bands, choice of frequency, to avoid interference in	Rec. 48	X	141	
frequency-modulated, essential characteristics, techniques for checking	Q. 16/10	X	231		short-distance, band 7 (HF)	S.P. 27A/10	X	244	
standards for compatible systems in sound and television broadcasting	S.P. 15A-1/10	X	229						

broadcasting, Tropical Zone (cont'd)

short-distance, band 7 (HF), maximum power	Rec. 215	X	145	systems possible systems and their relative acceptability: IWP Plen/2	Res. 38-1	XIII	170
site of stations and type of antenna, choice of, to avoid interference in the shared bands	Rec. 49	X	142	receiving ground equipment, characteristics	Rep. 473-1	XI	208
transmitting antennae, design	Rec. 139 Rep. 301-2 Q. 29/10	X X X	 152 248	television (see Section 11F, Vo- lume XI)			
Broadcasting-Satellite Service				characteristics of a receiving system for direct reception from broadcasting satellites	S.P. 5F-1/11	XI	280
<i>definition</i>	Rep. 471-1	XI	206	composite 625-line signal	S.P. 5B/11	XI	278
community reception				direct from satellites, feasibili- ty	Q. 23-1/11	XI	295
<i>definition</i>	Rep. 471-1	XI	206	frequency sharing between broadcasting-satellite systems and terrestrial broadcasting systems: IWP 11/2	Dec. 17	XI	304
frequency-sharing between broadcasting satellite service and terrestrial services	Rep. 631	XI	212	frequency sharing criteria, bet- ween Broadcasting-Satellite Service and terrestrial and space services in frequency range 2500 to 2690 MHz	S.P. 5J/11	XI	283
individual reception				frequency sharing, criteria bet- ween Broadcasting-Satellite Service and Terrestrial Bro- adcasting Service in range 620 to 790 MHz	S.P. 5H/11	XI	282
<i>definition</i>	Rep. 471-1	XI	206	interference protection ratios, subjectively measured, for planning television broadcast- ing systems	Rep. 634	XI	242
multiple broadcast transmissions from satellites				possible systems and their relative acceptability	S.P. 5C-1/11	XI	279
planning	Rep. 633	XI	234	standards	S.P. 5A-1/11	XI	277
receiving equipment				system characteristics and protection from interference	Q. 5-2/11	XI	276
antenna systems for communi- ty and individual reception	Rep. 482 Rep. 473-1 S.P. 5D-1/11 Q. 7/11 Op. 39-1	XI XI XI XI XI	114 209 279 285 305	technical characteristics of systems for community and individual reception	S.P. D-1/11	XI	279
reception quality				12 GHz band, use of	S.P. 5G-1/11	XI	281
primary grade, <i>definition</i>	Rep. 471-1	XI	206	Broadcasting Service (sound)			
secondary grade, <i>definition</i>	Rep. 471-1	XI	206	amplitude-modulation sound broadcasting in bands 5 (LF), 6 (MF) and 7 (HF) (see Sec- tion 10A, Volume X)			
sound				frequency-modulation sound broadcasting in bands 8 (VHF) and 9 (UHF) (see Section 10B, Volume X)			
feasibility of direct broadcast- ing	Q. 34-1/10	X	251	recording of sound pro- grammes (see Section 10D, Volume X)			
system characteristics and protection from interference	Q. 20-2/10	X	235				
systems, relative acceptabili- ties	S.P. 20B/10	X	237				
technical characteristics of systems for community and individual reception	S.P. 20A-1/10	X	236				
12 GHz band, use of	S.P. 20C-1/10	X	238				
sound and television, common aspects							
frequency considerations, sat- ellite aspects, receiving termi- nal aspects, system considera- tions	Rep. 215-3	XI	174				
modulation, technically suita- ble methods, sound broadcast- ing, television, sound channels in television	Rep. 632	XI	232				
space station							
<i>definition</i>	Rep. 471-1	XI	206				

Broadcasting Service (sound) (cont'd)

using satellites (see Section 10E, Volume X)

Broadcasting Service (television)

broadcasting service (television) using satellites
(see Section 11F, Volume XI)

elements for planning
(see Section 11D, Volume XI)

international exchange of programmes
(see Section 11B, Volume XI)

monochrome and colour television, characteristics
(see Section 11A, Volume XI)

picture quality and the factors affecting it
(see Section 11C, Volume XI)

recording of video programmes
(see Section 11E, Volume XI)

build-up time
telegraph signal
definition Rec. 328-3 I 296

build-up time, relative
telegraph signal
definition Rec. 328-3 I 296

Bureau International de l'Heure (B.I.H.)

advice to Study Group 7 Op. 26-2 VII 78

cooperation with Study Group 7 Res. 14-3 VII 78

effectiveness of UTC system Dec. 12 VII 75

International Atomic Time (TAI) Rep. 363-3 VII 45

International Atomic Time (TAI) scale Rep. 439-1 VII 56

International Atomic Time (TAI) scale, forming of Rec. 458 VII 16

standard-frequency and time-signal emissions
Rec. 374-3 VII 13
Rec. 460-1 VII 18

standard-frequency and time-signal emissions, characteristics
Rec. 267-3 VII 25

time comparison Rec. 459 VII 17

time-scale notations Op. 48 VII 81

C

carrier frequency

emission
identification relative to the assigned frequency S.P. 43A/1 I 500

carrier level

pilot carrier level
HF fixed service Rec. 454 III 33
Rep. 433 III 63
S.P. 1B/3 III 202

carrier offset

non-precision, multiples of 1/12 of the line frequency, between television signals, protection ratios for Rep. 480 XI 113

use of method when there are large differences between the carrier frequencies of the interfering stations S.P. 4A-1/11 XI 276

standard-frequency and time-signal emissions
definition Rep. 366-2 VII 53

carrier power

Broadcasting Service (sound and television)
Rec. 214 X 144
Rec. 215 X 145

SSB and DSB, equivalent powers
Maritime Mobile Service Rep. 586 VIII 167
Rec. 488 VIII 90

carrier power limitation

Land Mobile Service Rep. 319-3 VIII 184

carrier-to-interference ratio/baseband performance

satellite systems
relationship between, co-channel carriers, interleaved carriers Rep. 453-1 IV 194

carrier-to-intermodulation ratio (C/I)

Aeronautical and Maritime Mobile-Sat. Services
the effects of, radio-frequency channel selection and satellite transponder design Rep. 510-1 VIII 294

channel spacing
interrelation of, Aeronautical/Maritime Mobile-Satellite Services Rep. 510-1 VIII 294

carrier-to-noise density ratio (C/N₀)

characteristics for each modulation system, aeronautical/maritime mobile-satellite system Rep. 597 VIII 385

public correspondence, maritime satellite system Rep. 601 VIII 406

carrier-to-noise ratio (C/N)

public correspondence, maritime satellite system Rep. 601 VIII 406

C.C.I.T.T.

(see also joint and special groups)

automatic error correcting system (ARQ)	Rec. 342-2	III	119
black and white facsimile transmission	Q. 20-1/8	VIII	450
black and white facsimile transmission, Maritime Mobile Service	Rep. 588	VIII	172
connection to international telephone system of mobile radiotelephone circuits	Rec. 77-2	VIII	48
efficiency factor and telegraph distortion on HF radio circuits	S.P. 1C/3	III	203
efficient use of HF radiotelegraph circuits in telex network (FLEX system)	Rep. 436	III	195
remote control signal for facsimile transmission	Rep. 201-2	III	158
semi-automatic exchange on HF radiotelephone circuits	Rec. 480 Rep. 434-1	III III	93 115
standardization of phototelegraph systems for use on combined radio and metallic circuits	Rec. 344-2	III	130
telegraph distortion, error rate	Rep. 200-1	III	157
use of radio links in international telephone circuits	Rec. 335-2	III	77
VHF automated telephone system, interface with, Maritime Mobile Service	Rep. 587	VIII	172
voice-frequency telegraphy over HF radio circuits	Rec. 19-1	III	143
CMV and CMTT see Volume XII			
compandor time of attack and recovery, <i>definitions</i>	Rec. 475-1	VIII	66
mobile radiotelephone stations interconnection with international telephone lines	Rec. 77-2	VIII	48
mobile satellite systems interface with the public network	Dec. 15	VIII	458
numbering plan, traffic routing and charging Maritime Mobile Service	Rec. 492	VIII	96
selective-calling Maritime Mobile Service	Rep. 501-1	VIII	115
5-unit start-stop code direct-printing telegraphy, Maritime Mobile Service	Rec. 476-1	VIII	81

cell size

Land Mobile Service factors influencing	Rep. 319-3	VIII	192
--	------------	------	-----

cell systems

Land Mobile Services operational techniques	Rep. 319-3	VIII	192
radiotelephone networks Land Mobile Service	Rep. 319-3	VIII	191

centre frequency

emission measurement, SSB, ISB, and other complex emissions	Rep. 369-1	I	414
procedures for determination	Q. 23/1	I	481

chain, television

automatic measurement and monitoring	Rep. 411-2 Q. 7/CMTT S.P. 7A-1/CMTT	XII XII XII	126 231 232
---	---	-------------------	-------------------

reference chain

terrestrial and communica- tion-satellite links	Rep. 487-1	XII	99
--	------------	-----	----

channel allocation

Land Mobile Service between 25 and 500 MHz	Op. 24	VIII	460
equipment characteristics and principles governing alloca- tion, between 25 and 1000 MHz	Rep. 319-3 Q. 7-2/8	VIII VIII	183 432
equipment characteristics and principles governing alloca- tion, between 25 and 500 MHz	Res. 20-3	VIII	459
equipment, technical characte- ristics and principles govern- ing allocation, between 25 and 500 MHz	Rec. 478-1	VIII	179
existing practices	Rep. 319-3	VIII	183

channel arrangement

fixed service, HF multi-channel SSB and ISB	Rec. 348-2	III	80
fixed service using radio-relay systems (see Section 9B, Volume IX)			
radio-frequency analogue radio-relay systems for 600 to 1800 channels (or equivalent) or low and medi- um-capacity digital systems of equivalent bandwidth, 11 GHz band	Rec. 387-2	IX	109
digital radio-relay systems, general principles	Rep. 608	IX	129
digital radio-relay systems, general, and channel spacing, factors affecting	S.P. 12F/9	IX	276

channel arrangement, radio frequency (cont'd)

digital radio-relay systems, high capacity, in 10.7 to 11.7 GHz frequency band	S.P. 12E/9	IX	276	60-, 120- and 300-channel telephony systems, 7 GHz band, radio-relay systems using frequency-division multiplex	Rec. 385	IX	104
digital radio-relay systems, in 17.7 to 19.7 GHz frequency band	S.P. 12D/9	IX	275	channel assignment			
digital radio-relay systems, use of frequencies above about 12 GHz, (band 17.7 to 19.7 GHz)	Rep. 609	IX	133	access techniques			
FDM systems for 960 telephone channels (or equivalent) and for medium capacity digital systems, 13 GHz band, radio-relay systems for television and telephony	Rec. 497	IX	117	aeronautical/maritime mobile-satellite system	Rep. 596	VIII	380
radio-relay systems for television and telephony, use of frequencies above about 12 GHz, (band 11.7 to 15.35 GHz)	Rep. 607	IX	127	on-board ship communication number of channels required	Rep. 589	VIII	175
systems for either 2700 telephone channels or up to 1260 telephone channels (or equivalent) 6 GHz band, radio-relay systems for television and telephony	Rec. 384-2	IX	101	channel interleaving			
systems for 1800 telephone channels (or equivalent) 6 GHz band, radio-relay systems for television and telephony	Rec. 383-1	IX	99	VHF Aeronautical Mobile Service			
systems for 600 to 1800 telephone channels (or equivalent) 2 and 4 GHz bands, radio-relay systems, for television and telephony	Rec. 382-2	IX	95	with systems using space techniques	Rep. 512	VIII	303
systems for 960 telephone channels (or equivalent) 8 GHz band, radio-relay systems for television and telephony	Rec. 386-1	IX	106	channel separation			
systems of capacity greater than 1800 telephone circuits				calculation	Rec. 337-1	I	81
(or equivalent)	Rep. 287-2	IX	123	Babcock			
trans-horizon radio-relay systems	Rec. 388	IX	113	Aeronautical Mobile-Satellite Service	Rep. 510-1	VIII	295
trans-horizon radio-relay systems, using frequency modulation	Rep. 286	IX	121	carrier-to-intermodulation (C/I) interrelation			
60-, 120- and 300-channel telephony systems, 2 GHz band, radio-relay systems, using frequency-division multiplex	Rec. 283-2	IX	93	Aeronautical/Maritime Mobile-Satellite Services	Rep. 510-1	VIII	294
				fixed service, HF	Rec. 240-2	III	25
				Land Mobile Service			
				base station	Rep. 319-3	VIII	186
				between 25 and 1000 MHz	S.P. 7B-1/8	VIII	434
				common channel separation	Rep. 319-3	VIII	189
				in the various frequency bands	Rep. 319-3	VIII	198
				reduction of			
				VHF (metric) maritime mobile band	Q. 10-1/8 Rep. 583	VIII	438 VIII 156
				channel simulator			
				ionospheric			
				HF	Rep. 549 Q. 21/3	III	66 III 212
				channel spacing			
				see under "channel separation"			
				character error-rate			
				see under "error rate"			
				circuit			
				availability			
				Fixed-Satellite Service, telephony and television	Q. 24/4	IV	322
				established over real link			
				radio-relay systems for telephony, using frequency-division multiplex, noise in the radio portion	Rec. 395-1	IX	42

circuit (cont'd)

HF international telephone circuits			
use of HF radio links	Rec. 335-2	III	77
international circuit			
use of HF radiotelephone links in	Rec. 335-2	III	77
international television circuits			
performance requirements	S.P. 1B-2/CMTT	XII	220
noise			
radio-relay systems for telephony, Joint Special Study Group C (C.C.I.T.T./C.C.I.R.)	Op. 13-1	IX	286
part of very long telephone connection			
radio-relay systems for telephony, noise in	S.P. 2B-1/9	IX	257
sound-programme circuits			
5 kHz type, performance characteristics	Rep. 641 Q. 11-1/CMTT	XII XII	171 235
6.4 kHz type, performance characteristics	Rec. 503	XII	143
10 kHz type, performance characteristics	Rec. 504	XII	145
15 kHz type, performance characteristics	Rec. 505	XII	149
sound-programme transmission			
characteristics of signals	Rep. 491-1	XII	177
high-quality monophonic and stereophonic	Rep. 497-1 Rep. 640	XII XII	193 195
long distance, characteristics	Rep. 490-1	XII	154
monophonic and stereophonic high-quality	Rep. 496-1	XII	162
television circuits			
faults to be considered	S.P. 1G/CMTT	XII	223
switching systems, automatic	S.P. 1F/CMTT	XII	222
transmission performance of circuits, for use in international connections	Rep. 486-1	XII	63
transmission performance			
circuits longer or shorter than hypothetical reference circuit	S.P. 5K/CMTT	XII	230
video sections			
circuits with more, or fewer, sections than the hypothetical reference circuit	Rec. 421-3	XII	39
circular orbit			
satellite			
definition	Rep. 204-3	IV	19

C.I.S.P.R.

see under "International Special Com./Radio Interference"

clock readings and frequency-generator values

notation for reporting conventions, *definitions* Rec. 459 VII 17

clocks

coordinate procedure Rep. 439-1 VII 57

portable intercomparison of time scales Rep. 363-3 VII 46

synchronization experiment using satellites Rep. 363-3 VII 48

co-channel

re-use cell systems, minimum allowable, Land Mobile Service Rep. 319-3 VIII 194

code

error-detecting direct-printing telegraphy, Maritime Mobile Service Rec. 476-1 VIII 81

sequential single frequency code (SSFC) Maritime Mobile Service Rec. 257-1 VIII 55

5-unit start-stop code C.C.I.T.T. Rec. 476-1 VIII 81

coded information

recording cue track of television magnetic tapes S.P. 22A/11 XI 295

collision avoidance systems (CAS)

airborne, precise time reference Rep. 438 VII 54

colorimetric

standards colour television Rep. 476-1 XI 21

colour

television see under "television, colour"

colour bar

signal nomenclature Rec. 471 XI 18

Comité Consultatif, Définition de la Seconde (C.C.D.S.)

International Atomic Time (TAI) scale Rep. 439-1 VII 56

Comité Consultatif Int. Téléph. et Télec.

see under "C.C.I.T.T."

Committee for Space Research (COSPAR)

routine ionospheric sounding Op. 22-2 VI 272

common-frequency system				between digital modulation methods			
radiotelephony				for compatible operation, digital and FDM/FM radio-relay systems	Rep. 610	IX	136
fixed service, HF	Q. 23/3	III	213				
international circuits, fixed service, HF	Rep. 353	III	96	international and national radio paging systems	Rep. 499-1	VIII	42
common spectrum multiple access (CSMA)				monophonic signal obtained from a stereophonic source	Rep. 620	X	139
multiple access techniques, aeronautical/maritime mobile-							
satellite system	Rep. 596	VIII	380	spectrum use			
communication and/or radiodetermination				system models for evaluation of compatibility	Q. 44/1	I	500
see under "radiodetermination and/or communication"							
communication-satellite				stereophonic broadcasting			
active				SSB transmission for amplitude-modulation sound broadcasting	Rep. 299-3	X	32
modulation and multiple access, interference between communication-satellite systems and other radio services	Rep. 211-3	IV	113		Rec. 467	X	114
					Rep. 300-3	X	117
					Rep. 620	X	139
experimental and operational systems					S.P. 15A-1/10	X	229
characteristics INTELSAT, MOLNIYA and ORBITA, TELESAT satellite systems, ATS	Rep. 207-3	IV	29		S.P. 15C/10	X	230
				television systems	Rec. 470-1	XI	17
modulation and multiple access comparative study, active communication-satellite systems, multi-channel telephony, comparison of modulation and access techniques	Rep. 211-3	IV	113	characteristics	Rep. 624	XI	22
communication theory				Conférence internat., grandes réseaux élect. (C.I.G.R.E.)			
application				measurement of atmospheric noise from lightning	Rep. 254-3	VI	64
block codes, convolutional codes, burst-correcting codes, return channels, time-varying channels	Rep. 196-2	I	157	connection			
				television, international, <i>definition</i>	Rep. 486-1	XII	64
general				international systems with different characteristics, radio-relay systems for television and telephony, procedure for	Rec. 306	IX	24
transmission capacity, determination of; error statistics, determination of; error rates and efficiencies, high speed data transmission systems	S.P. 18A/1	I	478	long-distance television, international, <i>definition</i>	Rec. 421-3	XII	21
					Rec. 451-2	XII	42
community reception				control and listening rooms			
(Broadcasting-Satellite Service)				broadcast programmes			
<i>definition</i>	Rep. 471-1	XI	206	acoustical properties, determination of	Q. 38/10	X	253
comparator				control channel			
Lincompex				Maritime Mobile-Satellite Service			
Maritime Mobile Service, <i>definition</i>	Rep. 500-1	VIII	112	access to	Rep. 596	VIII	384
sound-programme circuit	Rep. 493-1	XII	154	conversion			
	S.P. 5E-2/CMTT	XII	228	colour systems	Rep. 477-1	XI	62
					S.P. 2A/11	XI	273
subjective tests				table			
tests on certain types of comparator	Rep. 493-1	XII	156	traffic information signals, direct-printing telegraphy, Maritime Mobile Service	Rec. 476-1	VIII	82
compatibility				television standards	Rep. 311-3	XI	55
sound programme signals, digital paths	Rep. 488-1	XII	137				

cooperation between the CCI's and the IEC			cross-modulation		
IEV, (International Electro-technical Vocabulary), brief information on	Rep. 441	XII 254	ionospheric	Rep. 574 Q. 23A/6 Q. 23-1/6 Rep. 460-1	VI 178 VI 265 VI 265 X 82
coordinate					
clock					
<i>definition</i>	Rep. 366-2	VII 53	broadcasting, band 5 (LF) and 6 (MF), interference due to	Rec. 498	X 24
time scale					
<i>definition</i>	Rep. 366-2	VII 53	receivers, FM transistorized	Rep. 328	I 171
coordinated			crystals		
time scales			ageing		
<i>definition</i>	Rep. 366-2	VII 53	Land Mobile Service, equipment	Rep. 319-3	VIII 196
Coordinated Universal Time (UTC)			frequency stability		
<i>definition</i>	Rec. 460-1	VII 19	Land Mobile Service, equipment	Rep. 319-3	VIII 196
general use	Op. 47	VII 80			
coordination			cue track		
between television broadcasting from satellites and from terrestrial systems	Rep. 471-1 S.P. 5A/11 S.P. 5J/11	XI 206 XI 282 XI 283	television		
			recorded on magnetic tapes	S.P. 22A/11	XI 295
			cymomotive force		
			<i>definition</i>	Rep. 618	X 105
area					
between space and terrestrial services	Rec. 359-3 Rep. 382-2	IX 292 IX 293			
distance			D		
between space and terrestrial services	Rec. 359-3 Rep. 382-2	IX 292 IX 293	data		
			transfer		
			balloon test, to simulate a satellite	Rep. 599	VIII 395
calculation (see under "Fixed-Satellite Service")			experiments, ATS-5 satellite tests	Rep. 599	VIII 394
procedure					
between space and terrestrial services	Rep. 382-2 Rec. 359-3	IX 293 IX 292	transmission		
			high-speed, HF radio circuits, distortion characteristics required for SSB and ISB systems	Q. 12/3	III 208
fixed service using radio-relay systems (see Section 4/9A, Volume IX)			reliability, VHF satellite tests	Rep. 600	VIII 399
propagation aspects			decibel		
see under "propagation"			limits on the use of	Rep. 650	XII 260
coverage			absolute level	Rep. 650	XII 263
various satellite systems, Mobile-Satellite Service	Rep. 506	VIII 259	level with respect to the reference quantity	Rep. 650	XII 261
geostationary satellite			relative level	Rep. 650	XII 264
two geostationary satellites			deep space		
maritime satellite system, example	Rep. 592	VIII 352	<i>definition</i>	Rep. 204-3	IV 17
service area			research		
in band 6 (MF), operational aspects, <i>definition</i>	Rep. 409-1	XI 83	see under "space research, deep space"		
			definitions		
in band 6 (MF), operational aspects, <i>definition</i>	Rec. 499 Rep. 616 S.P. 25F-1/10	X 24 X 94 X 242	CMV studies of terms and definitions	Dec. 19	XII 267

definitions (cont'd)

general				selective-calling			
see under expression or term				international (terrestrial) Maritime Mobile Service, operational characteristics	Rec. 493	VIII	97
defined				Maritime Mobile Service, general	Rep. 501-1	VIII	113
list of definitions contained in C.C.I.R. texts	Introd.	XII	245	system operational characteristics, Maritime Mobile Service	Rec. 493	VIII	98
defocusing loss				techniques			
in space systems	Rep. 564	V	249	coordination study, Study Groups 10, 11 and CMTT	Rep. 644	XII	203
degradation				study by C.C.I.R. Study Groups 4, 9, 10, 11 and the CMTT	Op. 51 Op. 55	X XII	257 238
Land Mobile Service, definition	Rep. 358-2	VIII	33	transmission			
delta and pulse-code modulation				performance specification, transmission circuits	Rep. 645	XII	206
Aeronautical/Maritime Mobile-Satellite Services comparison	Rep. 509-1	VIII	282	systems, sound programme and television signals	Dec. 18	XII	237
depolarization phenomena				systems, standards, digital modulation of sound programme and television signals	Q. 10-1/CMTT	XII	233
see under "propagation"				dilution			
descending (ascending) node				geometric			
definition	Rep. 204-3	IV	18	satellite ranging systems, geostationary satellite	Rep. 515-1	VIII	316
differential-delay				Dioscures project			
filter characteristics				radiodetermination by satellites	Rep. 515-1	VIII	320
maritime mobile radiotelephony, using lincompex	Rec. 475-1	VIII	65	diplex system			
diffraction				four-frequency			
obstacles				fixed service, HF	Rec. 346-1	III	134
transmission loss estimation, isolated knife-edge	Rep. 570	V	57	direct (retrograde) orbit			
transmission loss estimation, multiple obstacles and irregular terrain	Rep. 570	V	59	satellite			
transmission loss estimation, one rounded obstacle	Rep. 570	V	58	definition	Rep. 204-3	IV	18
spherical earth				direction finding			
transmission loss estimation	Rep. 568	V	55	2 MHz band	Rec. 428-2	VIII	59
digital				automatic (ADF)			
modulation				degradation, by modulation of radio beacon	Rep. 581	VIII	45
data, comparison of different techniques, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII	283	calibration			
television systems, basic principles, coding methods, examples of coding techniques	Rep. 629	XI	138	2 MHz maritime mobile band	Rec. 428-2	VIII	59
television systems, standards	Q. 25-1/11	XI	296	direction-finder			
television systems, standards, encoding of colour television signals	S.P. 25B/11	XI	297	2 MHz band, installation and accuracy, Maritime Mobile Service	Rec. 428-2	VIII	59
television systems, standards, reduction in bit rate in digital coding of television signals	S.P. 25A/11	XI	297	HF (decametric) and VHF (metric)			
				accuracy of bearings and positions	Rep. 93	VIII	27
				high-frequency			
				pulse emission, accuracy	Rec. 422	VIII	24

direction finding (cont'd)

position-fixes
classification Rep. 93 VIII 29

position fixing
ranging, transit, Omega system, maritime satellite distress system Rep. 602 VIII 416

radio
pulse transmission Rec. 422 VIII 23
8364 kHz Rec. 423-2 VIII 24

radiodetermination
maritime mobile satellite system Rep. 595 VIII 377

directivity

antennae
see under "antenna, directivity"

direct-printing radiotelegraphy

forward error correction
single-channel systems, fixed service, HF Rep. 349-1 III 174

direct-printing telegraphy

audio-frequency techniques, Maritime Mobile Service Q. 14/8 VIII 441

automatic operation, Maritime Mobile Service Rep. 585 VIII 161

equipment, Maritime Mobile Service Rec. 476-1 VIII 80

general, Maritime Mobile Service Rep. 361-1 VIII 106

identification, translation of numbers, Maritime Mobile Service Rec. 491 VIII 94

operational procedures, Maritime Mobile Service Rec. 492 VIII 96

audio-frequency technique
Maritime Mobile Service Rep. 584 VIII 160

equipment
introduction of, Maritime Mobile Service, equivalence of terms Rec. 490 VIII 93

error detecting and correcting system
HF fixed service Rec. 432-2 III 119

Maritime Mobile Service Rec. 476-1 VIII 81

forward error-correcting
Maritime Mobile Service Rec. 476-1 VIII 81

information receiving station (IRS)
Maritime Mobile Service Rec. 476-1 VIII 83

information sending station (ISS)
Maritime Mobile Service Rec. 476-1 VIII 83

master and slave
Maritime Mobile Service Rec. 476-1 VIII 83

mode A (ARQ)
Maritime Mobile Service Rec. 476-1 VIII 82
Rec. 492 VIII 96

mode B
forward error correction (FEC), Maritime Mobile Service Rec. 476-1 VIII 84
Rec. 492 VIII 97

telegraph equipment
introduction of, Maritime Mobile Service Q. 5-1/8 VIII 428

discriminator

(frequency/amplitude translator)
maritime mobile radiotelephony, using lincompex Rec. 475-1 VIII 66

dispersion

transmission through ionosphere, aeronautical/maritime satellites Rep. 504-1 VIII 226

VLF and LF signals, standard frequencies and time signals Rep. 271-4 VII 41

distance measurement

by means of geostationary satellites Rep. 515-1 VIII 313

radiodetermination satellite techniques Rep. 216-2 VIII 209

see also "Earth Exploration Satellite Systems"

see Volume II

modulation techniques for Aeronautical/Maritime Mobile-Satellite Services Rep. 509-1 VIII 287

radio-determination techniques Aeronautical/Maritime Mobile-Satellite Services Rep. 509-1 VIII 292

techniques
narrow-band satellite ranging signals, VHF aeronautical and maritime mobile bands Rep. 513-1 VIII 309

distortion

long-time waveform
television circuit, long distance S.P. 1D-1/CMTT XII 221

telegraph
definition Rec. 345 III 132

television circuit, long-distance
long-time waveform Rep. 636 XII 104

television signals
due to the use of vestigial-sideband emissions Rep. 404-2 XI 71

distorsion, television signals (*cont'd*)

line-time waveform	Rec. 421-3	XII	28	reception see also under "propagation curves", etc.		
linear	Rep. 486-1	XII	71			
linear waveform	Rec. 421-3	XII	27	voice-frequency telegraphy radio circuits, fixed service, HF	Rec. 106-1	III 117
non-linear	Rec. 421-3 Rep. 486-1	XII XII	26 69			
short-time waveform	Rec. 421-3	XII	28	Doppler derived position fix ranging system, by geostation- ary satellite	Rep. 515-1	VIII 320
distress and safety				effect (see also under "spacecraft", "telemetry" or satellite ser- vice concerned)		
class A3A and A3J emis- sions	Q. 26/8	VIII	454	Fixed-Satellite Service	Rep. 214-2	IV 34
coordinated system, maritime satellite radiocommunications	S.P. 17E/8	VIII	448	influence, Aeronautical Mobile Service	Rec. 495	VIII 199
possible maritime distress sys- tems, using satellites	Rep. 602	VIII	412	ionospheric, influence on Earth-space propagation	Rep. 263-3	VI 223
distress frequency				ionospheric, influence on HF communication	Rep. 111	III 44
radiotelegraphy 500 kHz interference level, Maritime Mobile Service	Rec. 429-2	VIII	61	radiocommunication, Aero- nautical Mobile Service	Rep. 590	VIII 201
2182 kHz alarm signals, characteristics	Rec. 219-1	VIII	50	frequency shift aeronautical mobile HF com- munications	Rec. 495	VIII 200
carrier level, SSB and DSB operation	Rec. 258-2	VIII	23	Fixed-Satellite Service	Rep. 214-2	IV 34
for homing, Maritime Mobile Service	Rec. 428-2	VIII	60	magnitude, highspeed aircraft	Rep. 590	VIII 201
distress, search and rescue				Mobile-Satellite Service	Rep. 506	VIII 262
maritime mobile-satellite sys- tem	Rep. 595	VIII	376	transit relay signals, maritime satellite distress system	Rep. 602	VIII 414
distribution, direct				navigation satellite system ranging in the aeronautical mobile band	Rep. 513-1	VIII 310
broadcasting programmes to ter- restrial stations				satellite in nearly circular orbit, radiodetermination sat- ellite technique	Rep. 216-2	VIII 211
definition	Rep. 471-1	XI	207	spectrum multipath, satellite experiment	Rep. 505-1	VIII 237
distribution, indirect				time measuring/range difference determination satellite systems, frequencies technically suitable	Rec. 361-2	VIII 206
broadcasting programmes to ter- restrial stations				ducting HF propagation by ducting	Rep. 341-2	VI 92
definition	Rep. 471-1	XI	207	tropospheric affecting choice of frequency band, aeronautical/maritime satellites	Rep. 504-1	VIII 225
diversity				see under "propagation"		
antenna						
HF telegraphy	Rec. 106-1	III	117			
HF telephony	Recp. 355-1	III	110			
diversity techniques						
cell systems, Land Mobile Service	Rep. 319-3	VIII	193			
radio-relay systems						
line-of-sight and trans-horizon	Q. 13-1/9	IX	277			
methods of obtaining diversity signals, methods of combina- tion, transmission bandwidth, performance calculations	Rep. 376-2	IX	212			
radiotelephony						
international circuits, fixed ser- vice, HF	Rep. 355-1	III	110			

duplex

Maritime Mobile Service
characteristics of VHF equip-
ment Rec. 489 VIII 92

DUTI

code for the transmission of Rec. 460-1 VII 20

code; method of transmission,
standard-frequency and time-
signal emissions Rep. 267-3 VII 26

predicted difference UT1-
UTC, *definition* Rec. 460-1 VII 19

E

Earth Exploration Satellite Service

present and future systems Rep. 535 II 204

Earth Observatory Satellite
(EOS) Rep. 535 II 210

Earth Resources Technology
Satellite (ERTS) Rep. 535 II 208

spectrum considerations Rep. 535 II 206

Synchronous Earth Observa-
tory Satellite (SEOS) Rep. 535 II 212

Earth exploration, satellite systems

communication systems
preferred characteristics Q. 12-1/2 II 316

frequency sharing
interference from earth station
transmitters Rep. 540 II 238

interference from terrestrial
fixed service Rep. 540 II 237

interference to other satellite
service receivers Rep. 540 II 235

with meteorological aids ser-
vice, at 400 MHz and 1 to
3 GHz Rep. 540 II 239

with other satellite and terres-
trial systems Rep. 540 II 234

location of ground stations
ARGOS system Rep. 538 II 231

GEOLE project Rep. 538 II 233

location of ground stations, data
collection
choice of frequencies Rep. 538 II 227

principles and types of mea-
surement Rep. 538 II 216

Earth resources satellites

communication systems
technical characteristics, spec-
trum needs, preferred types for
different orbits, criteria for
sharing S.P. 12A/2 II 317

earth station

for specific services; see under
service concerned

Fixed-Satellite Service

site selection criteria, feasi-
bility of frequency sharing bet-
ween systems in the Fixed-Sat-
ellite Service and terrestrial
radio services Rep. 385-1 IV 157

frequency sharing
parameters of spacecraft links Q. 1/2 II 305

links with spacecraft
characteristics Q. 2-1/2 II 307

low capacity
associated satellite systems Q. 23/4 IV 321

operation and maintenance Q. 20-1/4 IV 320

Fixed-Satellite Service Rep. 553 IV 109

radiation hazards
see under "space research,
earth stations"

reference radiation pattern
coordination and interference
assessment in frequency range
from 2 to about 10 GHz Rec. 465-1 IV 155

transportable

relief operations, event of
natural disasters and similar
emergencies, preferred modu-
lation methods, characteris-
tics, configuration Rep. 554 IV 180

Earth-to-space path

broadcasting service
frequency band characteris-
tics: Fixed-Satellite Service S.P. 2K-1/4 IV 314

effective isotropic radiated power

Land Mobile Service
base station Rep. 319-3 VIII 186

**effective monopole-radiated power
definition**

Rep. 618 X 106

efficiency factor

operational use of, fixed ser-
vice, HF Rep. 437 III 198

element error-rate

see under "error-rate"

elliptical orbit

satellite
definition Rep. 204-3 IV 19

emergencies

see under "relief operations"

emergency position-indicating radio beacon

future use and characteristics Q. 31/8 VIII 457

2182 kHz Rec. 439-1 VIII 62

Mobile-Satellite Service

allocated frequency band Rep. 504-1 VIII 218

emission					spectra and bandwidth	S.P. 36A-1/1	I	493
classification: IWP 1/1	Dec. 1	I	509		<i>definitions</i>	Rec. 328-3	I	294
designation: IWP 1/1	Dec. 1	I	509		measurement results and spectrum shape of AM radiotelephone emissions and multi-channel VF radiotelegraph emissions in FDM systems	Rep. 325-2	I	315
assigned frequency					measurement, methods and accuracies required for bandwidth measurement	Rec. 327-3	I	289
identification of carrier frequency	Rep. 202	I	357		spectra and filtering			
bandwidth					A1 and F1, interference produced in adjacent channels	Rep. 179-1	I	110
A1	Rep. 179-1	I	110		spurious	S.P. 38A-1/1	I	495
A1 and F1, radiotelegraphy, evaluation of interference produced by these emissions	Rep. 179-1	I	108		land mobile equipment, technical characteristics	Rep. 319-3	VIII	185
F1	Rep. 179-1	I	109		radio-relay systems, limitation of	Q. 19/9	IX	281
carrier frequency					radio-relay systems, limitation, definition of limits	S.P. 19A/9	IX	281
relative to the assigned frequency, identification of	S.P. 43A/1	I	500		receivers, radiations, broadcast and television receivers (as sources of)	Rep. 193-1	I	154
centre frequency					receivers, radiations, excluding sound-broadcast and television receivers	Q. 10/1	I	475
measurement, SSB, ISB, and other complex emissions	Rep. 369-1	I	414		receivers, radiations, from receivers other than broadcast and television receivers	Rep. 193-1	I	154
procedure for determination	Q. 23/1	I	481		transmitters, reduction of radiations, by design of transmitters and their output coupling networks	Rep. 326-1	I	161
classification	Q. 1/1 Dec. 1 Op. 44	I I I	467 509 520		SSB, ISB and other complex emissions			
class of					centre frequency, measurement of	Rep. 369-1	I	414
Land Mobile Service	Rep. 319-3	VIII	184		SSB, ISB, complex and multi-channel FDM			
tape recording No. 2 of different classes of emission (Separate publication)					centre (characteristic) frequency, measurement, channel identification, notification of assignments, procedure	Rep. 423	I	464
tape recording of different classes of emission (Separate publication)					centre (characteristics) frequency, measurement, channel identification, and notification of assignments, procedure	S.P. 23A/1	I	482
designation	Dec. 1	I	509		transmitter, optimum for spectrum economy			
nature of the emission, method of transmitting information, additional characteristics	Op. 44	I	520		<i>definition</i>	Rec. 328-3	I	296
frequency-modulated					unwanted			
spectra, bandwidth, shape of spectrum, distribution of power density in spectrum	Rep. 419-1	I	175		<i>definition</i>	Rec. 328-3	I	295
measurement					emitted spectra			
(see Section 1C, Volume I)					limitations of			
monitoring					<i>definition</i>	Rec. 328-3	I	297
sweeping-type pulse emissions	Rep. 367-1	I	409					
notification	Op. 34	I	518					
out-of-band								
<i>definition</i>	Rec. 328-3	I	295					
specification								
(see Section 1C, Volume I)								
spectra								
methods of measuring, actual traffic	S.P. 37A/1	I	494					

energy dispersal

Fixed-Satellite Service carrier energy dispersal	Rec. 446-1	IV	67
modulation characteristics (preferred)	S.P. 2D-1/4	IV	310
radiocommunication-satellite systems			
analogue FM systems, digital modulation systems	Rep. 384-2	IV	90
frequency sharing between radiocommunication-satellite systems and terrestrial radio- relay systems control	Rep. 384-2	IV	90
methods: by added wave- forms, by automatic deviation control	Rep. 384-2	IV	90

E.P.I.R.B.

see under "emergency posi-
tion-indicating radio beacons"

equalization

transmission time			
maritime mobile radiotele- phony	Rec. 475-1	VIII	74

equatorial orbit

satellite			
definition	Rep. 204-3	IV	19

equipment

automatic receiving			
alarm signal, maritime radiotele- phony	Rec. 219-1	VIII	51

equipment, transportable, fixed

radiocom., equipment for relief operations	Rep. 615	IX	249
---	----------	----	-----

equivalent isotropic radiated power (e.i.r.p.)

public correspondence, mari- time satellite system	Rep. 601	VIII	408
---	----------	------	-----

maximum

line-of-sight radio-relay system transmitter, sharing same fre- quency bands as the space-sta- tion receivers of satellites in the Fixed-Satellite Service	Rec. 406-3	IX	365
--	------------	----	-----

sound broadcasting and televi- sion

Rec. 447	X	21
Rec. 214	X	144
Rec. 215	X	145
Rec. 216	X	146

equivalent power

Maritime Mobile Service equivalent powers (SSB and DSB)	Rec. 488	VIII	90
SSB and DSB radiotelephony	Rec. 488 Rep. 586 Rep. 586	VIII VIII VIII	90 167 168

error control

(see also under "ARQ")

digital transmission			
error statistics and error con- trol, fixed service, HF	Rep. 435	III	192

error correction

see under "direct-printing tele-
graphy"

error-detecting and correcting

system			
direct-printing telegraphy, Maritime Mobile Service	Rec. 476-1	VIII	81

error rate

long distance HF communica- tions using FSK	Rep. 111	III	45
--	----------	-----	----

radio systems employing io- nospheric scatter	Rep. 109-2	III	42
--	------------	-----	----

bit

relationship with telegraph dis- tortion	Rep. 200-1	III	157
---	------------	-----	-----

channel

different modulations, aero- nautical/maritime mobile-sat- ellite system	Rep. 597	VIII	386
--	----------	------	-----

character

definition	Rec. 345	III	132
------------	----------	-----	-----

direct-printing, telegraphy, Maritime Mobile Service	Rep. 585	VIII	162
---	----------	------	-----

quality of complete systems in the HF fixed service	Rep. 197-3	III	153
--	------------	-----	-----

relationship between element error-rate	Rep. 195	III	145
--	----------	-----	-----

telegraph communication	Rec. 345	III	133
-------------------------	----------	-----	-----

de-tuning, function of

direct-printing, telegraphy, Maritime Mobile Service	Rep. 585	VIII	163
---	----------	------	-----

element

	S.F. 1A-2/3	III	199
<i>definition</i>	Rec. 345	III	132

performance of systems using FSK over HF radio circuits	Rep. 346	III	168
--	----------	-----	-----

performance of telegraph sys- tems on HF radio circuits	Rep. 345-1	III	159
--	------------	-----	-----

quality of performance of radiotelegraph systems	Rep. 351-2	III	189
---	------------	-----	-----

relationship between character error-rate	Rep. 195	III	145
--	----------	-----	-----

single channel radiotelegraph systems using forward error correction	Rep. 349-1	III	174
--	------------	-----	-----

error statistics and error control in

digital transmission via operat- ing radio circuits	Rep. 435	III	192
--	----------	-----	-----

long-distance HF communica- tions using FSK

Rep. 111	III	45
----------	-----	----

radio systems using ionospheric scatter

Rep. 109-2	III	42
------------	-----	----

error rate (cont'd)

receiver input, function of
direct-printing, telegraphy,
Maritime Mobile Service Rep. 585 VIII 165

wanted-to-unwanted signal ratio,
function of
direct-printing, telegraphy,
Maritime Mobile Service Rep. 585 VIII 166

estimated junction frequency
definition Rec. 373-3 VI 31
Rep. 256-2 VI 40

European Broadcasting Union (E.B.U.)
monitoring services
monitoring services in the
developing countries Rep. 371-1 I 417

monitoring stations
types and methods of assis-
tance in operation of various
types of radio services Rep. 370-1 I 415

wanted-to-interfering signal rati-
os
measuring technique for am-
plitude-modulated broadcast
receivers Rep. 186-2 I 144

exploration satellites
(see Section 2B, Volume II)

extraterrestrial radio source
see under "radio source"

F

facsimile
(see also under "phototelegra-
phy")
(see Section 3C, Volume III)

black and white
transmission over combined
metallic and radio circuits,
Maritime Mobile Service Rep. 588 VIII 172
Q. 20-1/8 VIII 450

black and white transmission
C.C.I.T.T. interest Q. 20-1/8 VIII 450

Maritime Mobile Service
characteristics Rep. 588 VIII 173

meteorological charts
transmission of, over radio
circuits Rec. 343-1 III 129

transmission
meteorological charts, for re-
ception on board ship Op. 24 VIII 460

remote control signal Rep. 201-2 III 158

VHF satellite tests Rep. 600 VIII 403

fading
(see also under "propagation")

allowance
broadcasting in the Tropical
Zone Rep. 304 X 185

fixed service, HF Rec. 339-3 III 29

ionospheric propagation
(see Section 6H, Volume VI)

characteristics pertinent to
radiocommunication system
design Rep. 266-3 VI 207

magnitude
multipath reflections, over sea,
aircraft-to-satellite link Rep. 505-1 VIII 232

margin
public correspondence, mari-
time satellite system Rep. 601 VIII 409

phase-interference
models for use in efficient
spectrum use studies (Report
published separately) Rep. 415 43

spectrum
multipath reflection, aircraft-
to-satellite link Rep. 505-1 VIII 233

Faraday rotation
affecting choice of frequency
band, aeronautical/maritime
satellites Rep. 504-1 VIII 225

faults
sound programme circuit or
chain
requiring consideration S.P. 5J/CMTT XII 230

FEC
forward error correcting
see under "direct printing
telegraphy"

field strength
(see also under "propagation")

resulting from stable electro-
magnetic fields two or three Rep. 516 X 91

sky-wave field strength at
frequencies between the ap-
proximate limits of 1.5 and
40 MHz: IWP 6/1 Dec. 6 VI 266

equivalences
SSB/DSB radiotelephony,
Maritime Mobile Service Rep. 586 VIII 168

ionospheric propagation below
about 1.5 MHz
(see Section 6G, Volume VI)

ionospheric propagation, bet-
ween about 1.5 and 40 MHz
(see Section 6C, Volume VI)

field strength (cont'd)

measurement			
accuracy and repeatability	Rep. 227-1	V	146
antennae used	Rep. 227-1	V	143
broadcast and television, frequencies above 100 MHz	Rep. 228-1	V	155
broadcast and television, frequencies below 100 MHz	Rep. 228-1	V	154
broadcast and television, methods	Rep. 228-1	V	154
broadcast and television, results, presentation of	Rep. 228-1	V	156
broadcast and television, service coverage, description	Rep. 228-1	V	152
broadcast and television, sites, selection of	Rep. 228-1	V	156
environment effects	Rep. 227-1	V	144
measurement units	Rep. 227-1	V	145
MF and LF, central card index of results	Op. 46	VI	274
parameters to be measured	Rep. 227-1	V	148
polarization effects	Rep. 227-1	V	145
self-calibration techniques	Rep. 227-1	V	147
minimum			
Aeronautical Mobile Service, above 30 MHz	Rec. 441	VIII	199
mobile services	Rep. 358-2 Q. 1/8	VIII VIII	30 427
television service, planning			
minimum for which protection may be sought in planning a television service	Rec. 417-2	XI	87
usable			
minimum usable, broadcasting, bands 5 (LF) and 6 (MF), <i>definition</i>	Rec. 499-2	X	24
nominal usable, broadcasting, bands 5 (LF) and 6 (MF), <i>definition</i>	Rec. 499-2	X	25
usable, broadcasting, bands 5 (LF) and 6 (MF), <i>definition</i>	Rec. 499-2	X	25
figure of merit, G/T			
public correspondence, maritime satellite system	Rep. 601	VIII	409
film			
colour			
television use, appraisal of	Rec. 501	XI	161
film recording			
colour television signals			
standards for the international exchange of	Rep. 469-1 Q. 20/11	XI XI	170 293

Fixed-Satellite Service

antennae patterns			
satellite	Rep. 558	IV	259
bands above 10 GHz, use of earth station arrangements, frequency sharing with terrestrial systems, method of systems design	Rep. 552	IV	57
baseband characteristics (see Section 4C, Volume IV)			
carrier energy dispersal	Rec. 446-1	IV	67
<i>definitions</i> (see Section 4A, Volume IV)			
disasters, epidemics, famines and emergencies			
use of systems	Q. 22/4	IV	320
Doppler shifts and switching discontinuities			
effects of, telegraph error rates in 50 baud telegraph systems, compensation variable delay correction devices	Rep. 214-2	IV	34
earth station			
antennae, characteristics	Rep. 390-2	IV	160
characteristics and maintenance, (see Section 4E, Volume IV)			
operation and maintenance	Rep. 553	IV	109
site selection criteria, feasibility of frequency sharing between systems in the Fixed-Satellite Service and terrestrial radio services	Rep. 385-1	IV	157
Earth-to-space path			
connection of a satellite in the broadcasting service, characteristics	S.P. 2K-1/4	IV	314
energy dispersal			
modulation characteristics (preferred)	S.P. 2D-1/4	IV	310
techniques (see Section 4C, Volume IV)			
frequencies (see Section 4B, Volume IV)			
frequency bands			
above 10 GHz	S.P. 2H-2/4	IV	312
for both up-paths and down-paths	Rep. 453-1	IV	193
frequency-division multiplex telephony			
hypothetical reference circuit, allowable noise power	Rec. 353-2	IV	64

Fixed-Satellite Service (cont'd)

frequency sharing (see Section 4F, Volume IV)				noise (see Section 4C, Volume IV)			
between networks	Rep. 455-1	IV	219	orbits (see Section 4B, Volume IV)			
with line-of-sight radio-relay systems using the same fre- quency band above 1 GHz	Rec. 358-2	IX	363	pre-emphasis (see Section 4C, Volume IV)			
with line-of-sight radio-relay systems using the same fre- quency bands (see also under "frequency sharing")	Rec. 356-3 Rec. 406-3	IX IX	360 365	preferred modulation charac- teristics energy dispersal	S.P. 2D-1/4	IV	310
with terrestrial radio-relay sys- tems, criteria	Q. 17/9	IX	279	protection Radionavigation-Satellite Ser- vice, Radionavigation Service	Rec. 496	VIII	207
with terrestrial services (see also under "frequency shar- ing")	Rep. 209-3 Rep. 449-1	IX IX	368 401	protection from interference due to space stations using same frequency bands bet- ween 1 and 23 GHz as terrestrial line-of-sight radio- relay systems	Rep. 387-2	IX	376
with terrestrial services, feasi- bility (see also under "frequen- cy sharing")	Rep. 386-2	IX	372	sharing criteria protection of space stations, receiving in the band 14.0 to 14.4 GHz	Rep. 560	IV	291
with terrestrial services, using same frequency band	Rec. 355-2	IX	359	space station orbits intersection, by antenna beams, of terrestrial radio-re- lay systems	Rep. 393-2	IX	386
within and between terrestrial services, measured interfer- ence into frequency-modula- tion television systems	Rep. 449-1	IX	401	systems (see Section 4B, Volume IV)			
geostationary satellites orbit utilization (see Sec- tion 4F, Volume IV)				baseband transmission vari- ability, delay, echoes and switching discontinuities	Q. 7-1/4	IV	316
station-keeping, factors affect- ing	Rep. 556	IV	246	technical characteristics, choice of orbit parameters, types of orbit predictable out- ages occurring	Rep. 206-3	IV	25
station-keeping, using frequen- cy bands allocated to the Fixed-Satellite Service	Rec. 484	IV	187	technical characteristics, gen- eral	Q. 2-2/4	IV	306
hypothetical reference circuit (see Section 4C, Volume IV)				telephony FDM, max. permissible levels interference in FM telephone channel of geostationary-satel- lite network using, caused by other networks of this service	Rec. 466-1	IV	185
modulation methods (see Section 4D, Volume IV)				frequency-division multiplex, measurement of noise in actu- al traffic	Rec. 481	IV	72
multiple access (see Section 4D, Volume IV)				frequency-division multiplex, measurement of performance by means of uniform spectrum signal	Rec. 481	IV	73
characteristics of systems	S.P. 2E-1/4	IV	311	telephony and/or television hypothetical reference circuit	Rec. 352-2	IV	63
factors affecting, methods of modulation, multiplexing, or- bital parameters and earth-sta- tion sensitivity	Rep. 213-3	IV	137	telephony and television circuit availability	Q. 24/4	IV	322
modulation systems, multi- plexing methods, orbital pa- rameters, satellite antenna coverage effect of different earth-station sensitivities	Rep. 213-3	IV	137				
multiplex telephony pre-emphasis characteristics for frequency-modulation sys- tems	Rec. 464	IV	67				

Fixed-Satellite Service, telephony and television (*cont'd*)

FDM, form of hypothetical reference circuit and allowable noise standard; video bandwidth and sound channel TV, indirect TV distribution systems	Rep. 208-3	IV	77	forward error correction see under "direct-printing telegraphy"		
frequency-division multiplex, pre-emphasis, frequency-modulation systems	Rep. 212-3	IV	85	four-frequency duplex see under "duplex"		
television frequency modulation, maximum permissible level of interference in a television channel of a geostationary-satellite network, caused by other networks of this service	Rec. 483	IV	186	free-space propagation see under "propagation"		
hypothetical reference circuit, video bandwidth and permissible noise level	Rec. 354-2	IV	66	FRENA (Frequency and Amplitude) modulation technique, analogue Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII 281
transmission delay effects of, telephony, mean one-way propagation time, telegraphy and data transmission, phototelegraphy, television	Rep. 383-2	IV	42	frequency allocation Aeronautical Mobile-Satellite Service and Maritime Mobile-Satellite Service	Rep. 504-1	VIII 218
fixed service using radio-relay systems (see also under "radio-relay systems")				frequency and time information radio emissions properties of systems yielding such information from emissions, <i>definitions</i>	Rep. 366-2	VII 53
characteristics (see Section 9D, Volume IX)				frequency bands on-board ship communications	Rep. 589	VIII 175
coordination procedures (see Section 4/9A, Volume IX)				Fixed-Satellite Service above 10 GHz	Rep. 552 S.P. 2H-2/4	IV 57 IV 312
frequency sharing (see Section 4/9B, Volume IX)				inter-satellite telecommunications factors affecting the selection of	Rep. 451-1	IV 50
maintenance (see Section 9C, Volume IX)				preferred (and centre frequencies), radio-relay links for international connections for television and telephony	Op. 14-2	IX 287
radio-frequency channel arrangements (see Section 9B, Volume IX)				telecommunications with space stations factors affecting the selection of	Rep. 205-3	IV 21
radio-relay systems for special applications (see Section 9E, Volume IX)				frequency change due to passage through ionosphere effects on communications using FSK, fixed service, HF	Rep. 111	III 44
FLEX system radiotelegraphy automatic selection and allocation procedures, fixed service, HF	Rep. 436	III	195	effects on FSK, fixed service, HF	Q. 7/3	III 207
flux density see under "power flux-density"				frequency deviation radio-relay systems telephony, using frequency-division multiplex	Rec. 404-2	IX 193
forecast, ionospheric see under "propagation, ionospheric"				television, (and sense of modulation)	Rec. 276-2	IX 189
				trans-horizon, using frequency-division multiplex	Rep. 446	IX 228

frequency division multiple access (FDMA) multiple access techniques, aeronautical/maritime mobile- satellite system	Rep. 596	VIII	380	frequency re-use narrow-beam satellite antennae by means of	Rep. 453-1	IV	192
frequency measurements accuracy, average practical method of determin- ing, conditions to be met by measurement method, method of determining error, calcula- tion of error	Rep. 422	I	457	frequency sharing see also under service con- cerned aeronautical and maritime servi- ces possibilities	Rep. 595	VIII	378
frequency modulation effect of reflections on vertical- ly polarized waves	Rep. 239-3	V	166	criteria HF coast radiotelephone channels, Maritime Mobile Service	Q. 30/8	VIII	456
receiver, sensitivity, selectivity and stability	Rec. 237-1	I	17	Fixed-Satellite and terrestrial services feasibility	S.P. 2A-2/4	IV	308
see under "broadcasting, fre- quency modulation, sound"				feasibility, determination of power in any 4 kHz band which may need to be radiated toward horizon by earth sta- tions	Rep. 386-2	IX	372
thermal and intermodulation noise due to multipath	Rep. 338-2	V	237	using same frequency bands	Rec. 355-2	IX	359
broadcasting band 8 (VHF), polarization of emissions	Rep. 464-1	X	136	Fixed-Satellite/Broadcasting- Satellite Services using geostationary satellites, at about 12 GHz	Rep. 561	IV	294
simultaneous transmission two or more sound or information programmes	Rep. 463-1	X	135	Fixed-Satellite Service between networks	Rep. 455-1 S.P. 2C-1/4	IV IV	219 309
broadcasting, sound band 8 (VHF), additional pro- grammes, transmission	Q. 26-1/10	X	243	protection criteria for space stations receiving in the band 14.0 to 14.4 GHz	Rep. 560	IV	291
band 8 (VHF), polarization of emissions	Q. 19/10	X	235	fixed service using radio-relay systems (see Section 4/9B, Volume IX)			
band 8 (VHF), standards for	Rec. 412-1	X	109	radiocommunication satellites, between technical considerations af- fecting efficient use of the geostationary-satellite orbit	Dec. 2	IV	323
simultaneous transmission of two or more sound or infor- mation programmes, choice of parameters	S.P. 17A-1/10	X	232	space and terrestrial services between Maritime Mobile-Sat- ellite Service and (terrestrial) Maritime Mobile Service, fea- sibility	Rep. 593	VIII	353
stereophonic systems, polar modulation, pilot-tone	Rec. 450	X	113	between Radionavigation Ser- vice and Radionavigation-Sat- ellite Service on the one hand, Fixed-Satellite Service on the other hand	S.P. 17D/8	VIII	447
transmission of two or more sound or information pro- grammes	Q. 17-2/10	X	232	broadcasting-satellite (sound and television) and terrestrial systems	Rep. 631	XI	213
broadcasting, sound stereophon- ic technical characteristics to be checked, pilot-tone system	Rec. 467	X	114	broadcasting-satellite and ter- restrial broadcasting systems, protection ratios	Dec. 17	XI	304
receivers amplitude-modulation (caused by multipath propagation), suppression of, method of measurement	Rep. 190-1	X	116				
noise, sensitivity, selectivity and stability	Op. 32	I	518				
sensitivity, selectivity and sta- bility	Rec. 237-1	I	17				

frequency sharing, space and terrestrial services (cont'd)

Broadcasting-Satellite Service and terrestrial broadcasting services in 2500 to 2690 MHz band, criteria	S.P. 5J/11	XI	283	determination of the coordination area	Rec. 359-3	IX	291
Broadcasting-Satellite Service and terrestrial broadcasting services in 620 to 790 MHz band, criteria	S.P. 5H/11	XI	282	space communication techniques Aeronautical and Maritime Mobile Services, feasibility of the use of same frequency bands	Rep. 511	VIII	299
broadcasting-satellite systems and terrestrial broadcasting systems; television: IWP 11/2	Dec. 17	XI	304	aircraft to share same frequency band, interleaving with VHF terrestrial aeronautical service, feasibility of systems	Rep. 512	VIII	302
earth stations and terrestrial radio-relay systems, at frequencies above 1 GHz, propagation factors involved	Q. 14-2/4	IV	318	technical criteria	Q. 45/1	I	501
feasibility of, earth stations, Fixed-Satellite Service, site selection criteria	Rep. 385-1	IV	157	television broadcast. and radio-nav. services protection against radionavigation transmitters operating in band 582 to 606 MHz	Rep. 307	XI	110
Fixed-Satellite and terrestrial systems	Rep. 209-3	IX	368	frequency-shift keying fixed service, HF	Rec. 246-3 Q. 8/3	III	117 III 208
Fixed-Satellite Service and the Radionavigation and Radionavigation-Satellite Services, at frequencies of order of 14 GHz	Rec. 496	VIII	206	frequency spectrum efficiency criteria	Rep. 453-1	IV	203
max. power flux density at Earth's surface, produced by satellites in Fixed-Sat. Serv. using common freq. band above 1 GHz	Rec. 358-2	IX	363	frequency stability broadcasting synchronized networks	Rep. 459-1	X	79
maximum allowable values of interference from terrestrial radio links in a telephone channel of a Fixed-Satellite Service system using FM	Rec. 356-3	IX	360	crystals frequency stability, Land Mobile Service, equipment	Rep. 319-3	VIII	197
maximum EIRP of line-of-sight radio-relay transmitters using common frequency bands with space-station receivers in the Fixed-Satellite Service	Rec. 406-3	IX	365	Land Mobile Service, equipment	Rep. 319-3	VIII	197
radio-relay systems with systems in the Fixed-Satellite Service, criteria	Q. 17/9	IX	279	fixed service, HF to make use of AFC superfluous, required for SSB, ISB and telegraph systems	Rec. 349-2	III	31
radiocommunication satellites and radio-relay systems, energy dispersal in radiocommunication satellite systems	Rep. 384-2	IV	90	frequency and time metrology measurement	Rep. 580	VII	65
Radiodetermination-Satellite Service and terrestrial services, feasibility, general	Rep. 394-1	VIII	215	frequency standards caesium, long-term stability	Rep. 364-2	VII	51
Radionavigation Service and Radionavigation-Satellite Service, Fixed-Satellite Service, frequencies, of about 14 GHz	S.P. 2L/4	IV	315	frequency synthesizers short-term stability	Rep. 550	III	75
space and terrestrial systems determination of coordination area	Rep. 382-2	IX	293	receiver amplitude-modulation and frequency-modulation	Op. 32	I	518
				amplitude-modulation and frequency-modulation, sensitivity and stability	Rec. 237-1	I	17
				frequency-modulation, portable, measurements	Rep. 330	I	174
				television, sensitivity and selectivity	Rec. 330	I	19
				frequency standards atomic	Rep. 364-2	VII	51

frequency standards (*cont'd*)

caesium			
long-term stability	Rep. 364-2	VII	51
characteristics	Q. 48/1	I	504
frequency tolerance			
HF aeronautical bands	Rep. 590	VIII	201
Land Mobile Service	Rep. 319-3	VIII	185
radio-relay systems	Q. 19/9	IX	281
definition of limits	S.P. 19A/9	IX	281

G

gamma (of a picture tube)			
<i>definition</i>	Rep. 624	XI	51
pre-correction			
<i>definition</i>	Rep. 624	XI	51
General Conference of Weights and Measures (C.G.P.M.)			
advice to Study Group 7	Op. 26-2	VII	78
Coordinated Universal Time (UTC)	Op. 47	VII	80
International Atomic Time (TAI) scale	Rep. 439-1	VII	56
standard-frequency and time-signal emissions	Rec. 374-3 Rec. 460-1	VII	13 18
time-scale notations	Op. 48	VII	81

geodetic satellite
see under "Earth Exploration Satellite systems"

geodetic SECOR
see under "space research"

geostationary satellite			
<i>definition</i>	Rep. 204-3	IV	20

Fixed-Satellite Service
up-path and down-path frequency bands, increased orbit capacity obtainable by reverse frequency assignments Rep. 557 IV 249

number and locations
Earth-surface, power flux-density, traffic patterns, additional frequency bands, satellite-to-satellite relay, positioning flexibility Rep. 453-1 IV 201

spacing required
between satellites operating in different networks Rep. 453-1 IV 209

geostationary-satellite orbit			
technical considerations affecting its use: IWP 4/1	Dec. 2	IV	323

Aeronautical and Maritime Mobile-Satellite Services Rep. 506 VIII 260

efficiency of use
criteria Rep. 453-1 IV 203

frequency sharing between radiocommunication satellites Dec. 2 IV 323

modulation characteristics, effect of Rep. 559 IV 280

radiocommunication satellites sharing same frequency bands, technical factors Rep. 453-1 IV 189

satellite networks sharing same frequency bands, technical factors influencing: fixed-satellite service S.P. 2J-1/4 IV 312

use of
coordination: calculation method for determining whether two geostationary-satellite systems require coordination Rep. 454-1 IV 215

geosynchronous satellite
definition Rep. 204-3 IV 20

ghost images
monochrome television
re-radiation from masts in neighbourhood of transmitting antennae Rep. 478 XI 84

global beam
technique
satellite antenna, aeronautical/maritime mobile-satellite system Rep. 596 VIII 382

great circle path interference
see under "propagation, curves, interference above 0.6 GHz"

group-delay characteristics
receivers
radiotelegraphy Rec. 332-3 I 48

H

Handbooks and Manuals
(published separately)
C.C.I.R. antenna handbook

Handbook for monitoring stations

Manual on broadcasting in band 7 (HF) in the Tropical Zone

Manual on high-frequency directional antennae

HF communications in general
(see Section 3A, Volume III)

HF telegraph systems				common-frequency systems	Rep. 353	III	96
ARQ	Rec. 342-2	III	119	international circuits	Rec. 335-2	III	77
	Rep. 348-2	III	174				
	Rep. 350	III	189				
	S.P. 1C/3	III	203				
forward error correction	Rep. 349-1	III	174	Lincompex	Rec. 455-1	III	82
four-frequency duplex	Rec. 346-1	III	134	privacy device	Rec. 336-2	III	79
frequency-shift keying	Rec. 246-3	III	117	telephone signalling	Rec. 480	III	93
	Rep. 19-1	III	143				
	Rep. 198	III	157				
	Rep. 345-1	III	158				
	Rep. 347	III	173				
multiplex	Rec. 347	III	136	homing	Rec. 428-2	VIII	58
				aboard ship			
				in 2 MHz band, <i>definition</i>			
classification	Rep. 456	III	139	homogeneous section	Rec. 390-2	IX	35
data transmission	Rec. 436-1	III	138	(telephony)			
voice-frequency telegraphy	Rep. 351-2	III	189	<i>definition</i>			
performance	Rep. 351-2	III	189	hydrometeors	Rec. 390-2	IX	35
				see under "radiometeorology"			
				hypothetical reference circuit			
				(see Section 9A, Volume IX)			
distortion	Rep. 435	III	192	characteristics proposed	Rep. 641	XII	172
efficiency factor	Rep. 197-3	III	152	television, <i>definition</i>	Rec. 421-3	XII	22
error rate	Rep. 346	III	168		Rec. 451-2	XII	42
factors affecting	Rep. 195	III	144	terms and documentation, <i>de-</i>	Rec. 390-2	IX	35
phase-shift keying	Rep. 345-1	III	158	inition			
quality of, see quality of	Rep. 346	III	168	active communication-satellite	Rep. 486-1	XII	65
performance signal-to-noise				system			
ratio	Rep. 198	III	157	<i>definition</i>	Rep. 486-1	XII	94
voice-frequency telegraphy	Rep. 347	III	173	transmission performance ob-	Rec. 353-2	IV	64
phase-shift keying	Rep. 348-2	III	174	jectives and tolerances			
telex	Rep. 350	III	189	digital radio-relay systems	Rec. 352-2	IV	63
	S.P. 1C/3	III	203				
	Rec. 436	III	195	performance objectives	Rep. 208-3	IV	77
	Rep. 437	III	198		Rec. 354-2	IV	66
automatic selection and allo-	Rec. 436-1	III	138	Fixed-Satellite Service	Rec. 390-2	IX	35
cation in telex network (flex	Rep. 345-1	III	158	frequency division multiplex			
system)	Rec. 456	III	139	(FDM) telephony, allowable	Rec. 393-2	IX	40
operational use of efficiency	Rep. 347	III	173	noise power			
factor	Rep. 19-1	III	143	systems for telephony and/or	Rec. 393-2	IX	40
voice-frequency telegraphy	Rep. 198	III	157	television			
channel arrangement	Rep. 348-2	III	174	telephony and television,	Rec. 393-2	IX	40
comparison of different sys-	Rep. 350	III	189	FDM, allowable noise stand-			
tems	S.P. 1C/3	III	203	ard; video bandwidth and TV	Rec. 393-2	IX	40
data transmission 1200/	Rep. 436	III	195	sound channel, indirect televi-			
600 bits/s	Rep. 437	III	198	sion distribution systems	Rec. 393-2	IX	40
efficiency factor	Rep. 345-1	III	158	television, video bandwidth			
in connection with CCITT	Rep. 346	III	168	and permissible noise	Rec. 393-2	IX	40
Recommendations	Rep. 347	III	173	fixed service using radio-relay			
optimum frequency shift	Rep. 19-1	III	143	systems	Rec. 393-2	IX	40
	Rep. 198	III	157	(see Section 9A, Volume IX)			
HF telephony	Rep. 348-2	III	80	general	Rec. 390-2	IX	35
channel arrangements				<i>definition</i>			
				radio-relay systems for tele-	Rec. 393-2	IX	40
				phony			
				using frequency-division multi-	Rec. 393-2	IX	40
				plex; allowable noise power			

hypothetical reference circuit (cont'd)

radio-relay systems for television system I excepted, permissible noise	Rec. 289-1	IX	31	bandwidth measurements at monitoring stations	Rec. 443 Q. 26/1	I I	356 484
system I only, permissible noise	Rec. 420	IX	48	classification and designation of emissions	Dec. 1 Op. 44	I I	509 520
radio-relay systems: television and telephony circuit noise	Q. 2-1/9	IX	256	coordination procedure, standard-frequency stations	Res. 14-3	VII	78
radio-relay systems using FDM capacity of from 12 to 60 telephone channels	Rec. 391	IX	37	definitions of interference	Rep. 529	I	265
capacity of more than 60 telephone channels	Rec. 392	IX	38	extension of international monitoring to a world-wide scale	Res. 15-1	I	510
sound programme transmissions	Rec. 502	XII	142	factors affecting quality of performance of complete systems of the HF fixed service	S.P. 1A-2/3 S.P. 1A-2/3	III III	199 199
telephony definition	Rec. 390-2	IX	35	field strength measurements at monitoring stations	Rep. 273-3 Q. 24/1	I I	368 483
terrestrial definition	Rep. 486-1	XII	64	Handbook for monitoring stations	Res. 16-1	I	510
trans-horizon radio-relay systems				identification of radio stations	Rec. 379-1	I	354
telephony, using frequency-division multiplex	Rec. 396-1	IX	46	international monitoring facilities	Rep. 282-3	I	406
telephony, using frequency-division multiplex, allowable noise power	Rec. 397-2	IX	47	monitoring campaigns, bands allocated exclusively to the standard-frequency service	Op. 28	VII	79
transmission performance	Rec. 421-3	XII	23	monitoring services in the developing countries	Rep. 371-1	I	417
high quality sound programme circuits with particular reference to digital transmission	Rep. 649	XII	217	standard-frequency bands, to avoid external interference	Rec. 376-1	VII	15
15 kHz type for sound programme circuits				use of directional antennae, 4 to 28 MHz	Rec. 162-2	III	23
transmission performance, digital transmission methods	Rec. 505	XII	153	HF Maritime Mobile Service technical standards	Rep. 358-2	VIII	33
I				mobile services technical standards	Q. 1/8	VIII	427
identification				sky-wave propagation, 150 to 1600 kHz	Rep. 264-3 Rep. 264-3 Rep. 432 Rep. 432 Rep. 575 Rep. 575 S.P. 17A-2/6 S.P. 17A-2/6 Dec. 8 Dec. 8	VI VI VI VI VI VI VI VI VI VI	108 108 171 171 186 186 262 262 267 267
devices							
marine	Rep. 318	VIII	100				
radio stations							
see under "radio stations, identification"							
Identification, Friend or Foe (IFF)							
identification of aircraft, to airport radars	Rep. 318	VIII	101				
IFF				image-rejection ratio			
see under "Identification, Friend or Foe"				definition	Rec. 332-3	I	42
I.F.R.B.				inclination			
assistance by monitoring stations to the operation of various radio services	Q. 33/1 S.P. 33A/1 Op. 29	I I I	490 491 517	satellite orbit definition	Rep. 204-3	IV	18

inclined orbit				radio-relay systems		
satellite				auxiliary, operating in same		
definition	Rep. 204-3	IV	19	frequency band as main radio-relay system	Rep. 374	IX 125
index of cooperation				trans-horizon radio-relay systems		
maritime facsimile service				transmission characteristics	Rep. 285-3	IX 56
definition	Rep. 588	VIII	173	video signals frequencies		
individual reception				radio-relay systems for television	Rec. 270-1	IX 23
Broadcasting-Satellite Service				interface problem		
definition	Rep. 471-1	XI	206	digital communication		
information receiving station (IRS)				human/machine, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII 282
direct printing telegraphy				interference		
Maritime Mobile Service	Rec. 476-1	VIII	83	definition of units and methods of measurement	S.P. 21A-1/8	VIII 451
information sending station (ISS)				identification of sources	Q. 35/1	I 492
direct printing telegraphy				reduction of, between Broadcasting Service (television) and Land Mobile Service	Q. 51/1	I 507
Maritime Mobile Service	Rec. 476-1	VIII	83	to and from land stations in the terrestrial Aeronautical Mobile Service, of an interleaved VHF satellite system	Rep. 512	VIII 304
installation				allocation		
electrical, electronic and radio equipment				digital radio-relay systems	Rep. 605	IX 76
aboard ship	Rec. 218-1	VIII	50	broadcasting service (television)		
intelligibility				reducing interference from other services operating in adjacent bands, methods	Q. 30/11	XI 301
relationship between articulation index and intelligibility, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII	280	calculation techniques		
effect of frequency error				terrestrial radio-relay systems and systems in the Fixed-Satellite Service carrying multi-channel telephony	Rec. 388-2	IX 327
HF aeronautical communications	Rep. 590	VIII	202	caused to shipborne receivers on-board ship communications	Rep. 589	VIII 176
INTELSAT				co-channel		
satellite system				multiple phase shift keyed (MPSK) system effects on system performance	Rep. 528	I 259
characteristics	Rep. 207-3	IV	29	considerations		
interconnection				digital radio-relay systems	Rep. 606	IX 80
(see Section 9A, Volume IX)				definition		
between mobile radiotelephone stations and international telephone lines	Rec. 77-2	VIII	48	units and methods of measurement	S.P. 21A-1/8	VIII 451
audio-frequencies				definitions of interference		
radio-relay systems for telephony	Rec. 268-1	IX	22	harmful interference, permissible interference, interference not complying with criteria for permissible interference, acceptable (or accepted) interference	Rep. 529	I 265
auxiliary radio-relay systems operating in a frequency band other than that of the main system, at frequencies below about 2 GHz	Rep. 284-1	IX	54			
baseband frequencies						
digital radio-relay systems	S.P. 21A/9 Q. 21/9	IX	283			
radio-relay systems for telephony, using frequency-division multiplex	Rec. 380-1	IX	24			
between any two systems						
radio-relay systems for telephony, using frequency-division multiplex, technical characteristics to be specified	Rep. 283	IX	51			
fixed service using radio-relay systems						
(see Section 9A, Volume IX)						

interference (cont'd)

determination of maximum tolerable level				reduction of, in standard-frequency and time-signal emissions	Rep. 269-3 Q. 1/7 S.P. 1A-1/7	VII 37 VII 67 VII 67
in complete radio systems, caused by industrial, scientific and medical installations and other electrical equipment	Rep. 182	I	122			
effects				pattern		
calculation and measurement, digital radio-relay equipment	S.P. 12A-1/9	IX	274	vicinity of antenna, multipath, Maritime Mobile-Satellite Service	Rep. 603	VIII 418
estimation				prevention		
frequency sharing, terrestrial Maritime Mobile Service and Maritime Mobile-Satellite Service	Rep. 593	VIII	354	radio reception on board ship	Rec. 218-1	VIII 48
external				probability calculation		
standard-frequency service, avoidance of	Rec. 375-1	VII	14	earth stations and terrestrial stations	Rep. 448-1	IX 341
intermodulation products				problems of interference in propagation (see Section 6F, Volume VI)		
as a source of interference, VHF maritime mobile radio-telephone service	Rec. 427	VIII	57	protection		
due to intermodulation products, Land Mobile Service between 25 and 1000 MHz	S.P. 7C-1/8	VIII	435	radiocommunication equipment from interference due to electrical apparatus and installations	S.P. 4C/1	I 473
keyed signals, between protection against	Rep. 187	I	144	terrestrial line-of-sight radio-relay systems, from space stations, in the Fixed-Satellite Service in shared frequency bands, between 1 and 23 GHz	Rep. 387-2	IX 376
level				radio-frequency		
radiotelegraph, distress frequency	Rec. 429-2	VIII	60	multipath, aircraft-to-satellite link	Rep. 505-1	VIII 229
limitation				reduction of		
trans-horizon radio-relay systems	Rec. 302	IX	34	transmitter and the receiver considered as a whole	Rep. 178-2	I 105
man-made				reduction of the effect of adaptation of receivers to interference	Rep. 178-2	I 107
measurement methods, determination of tolerable levels	Rec. 433-2	I	312	signal-to-interference ratio see signal-to-interference ratio		
maximum allowable values				sound programme transmission		
from terrestrial radio links in a telephone channel of a system in Fixed-Satellite Service employing frequency modulation	Rec. 356-3	IX	360	modulation desired signal by interfering signals from power supply sources	Rec. 474	XII 141
measured				sources		
into frequency-modulation television systems, frequency sharing within and between systems in fixed-satellite service and terrestrial systems	Rep. 449-1	IX	401	identification	Rep. 281-1	I 403
modulation				system models for evaluating		
multipath reflection, aircraft-to-satellite link	Rep. 505-1	VIII	233	co-site analysis model	Rep. 524	I 230
mutual				mathematical model for determining adjacent-channel interference in AM transmission systems	Rep. 523	I 224
avoidance of, between ships' radar and other radiocommunication apparatus on board	Rec. 45-1	VIII	47	traffic spectra		
Interim Working Party 7/3, reduction of, in standard-frequency and time-signal service	Dec. 14	VII	77	possibilities of reducing and measuring actual traffic spectra	Rep. 178-2	I 96

interference (cont'd)

trans-horizon radio-relay systems			
transmission characteristics	Rep. 285-3	IX	56

interferometer

radio			
satellite borne interferometer, radiolocation applications	Rep. 216-2	VIII	212

interferometry, radio

very long baseline (VLBI)			
intercontinental clock synchronization	Rep. 363-3	VII	47

Inter-Governmental Maritime Consultative Org. (I.M.C.O.)

C.C.I.R. Interim Working Party 8/1, Maritime Mobile-Satellite Service	Dec. 15	VIII	458
choosing a frequency between 1605 and 3800 kHz, for safety requirements	Q. 29/8	VIII	456
class A3A and A3J emissions for distress and safety purposes	Q. 26/8	VIII	454
communication on-board ship	S.P. 18A/8	VIII	450
coordinated distress system, maritime satellite system	S.P. 17E/8	VIII	448
effectiveness of UTC system	Dec. 12	VII	75
emergency position-indicating radio beacons	Rec. 439-1	VIII	62
EPIRBS, future use of	Q. 31/8	VIII	457
interference at 500 kHz, reduction of	Rec. 429-2	VIII	61
interference, <i>definition</i>	S.P. 21A-1/8	VIII	451
internal communications on board ships	Q. 18-1/8	VIII	449
maritime satellite distress system	Rep. 602	VIII	416
operational requirements, general purpose selective-calling system	Rec. 493	VIII	97
power requirements, SSB transmitters	Rec. 488	VIII	90
radar beacons (racons)	Q. 27/8	VIII	455
radio beacons	Rec. 487 Q. 15-1/8	VIII	26 443
radiotelephony, equivalent powers	Rep. 586	VIII	170
satellite radiocommunication and radiodetermination techniques to maritime requirements	Q. 16-1/8	VIII	443
satellite systems for Aeronautical Mobile Service and Maritime Mobile Service	S.P. 17A/8	VIII	446

selective-calling system	Rec. 257-1 Q. 9-2/8	VIII	53 437
selective-calling system, general purpose, Maritime Mobile Service, operational requirements	Rep. 501-1	VIII	118
self-supporting antennae	Q. 6/8	VIII	429
self-supporting antennae, table of metre-amperes	Op. 43-1	VIII	462
sharing frequency bands, Mobile-Satellite Service	Rep. 511	VIII	301
sharing possibilities, aeronautical/maritime mobile-satellite system	Rep. 595	VIII	378
shipborne transponders	Q. 28/8	VIII	455
standard-frequency and time-signal emissions	Rec. 374-3 Rec. 460-1	VII	13 18
time-scale notations	Op. 48	VII	81

Interim Working Parties

IWP Plen/2 possible broadcasting-satellite systems and their relative acceptability	Res. 38-1	XIII	170
IWP 1/1 classification and designation of emissions	Dec. 1	I	509
IWP 4/1 technical considerations affecting the use of the geostationary-satellite orbit	Dec. 2	IV	323
IWP 5/1 prediction of phase and amplitude of ground-waves	Dec. 3	V	304
IWP 5/2 tropospheric propagation data for broadcasting, space and point-to-point communications	Dec. 4	V	305
IWP 5/3 influence of the non-ionized regions of the atmosphere on wave propagation	Dec. 5	V	306
IWP 6/1 sky-wave field strength and transmission loss at frequencies between the approximate limits of 1.5 and 40 MHz	Dec. 6	VI	266
IWP 6/2 basic long-term ionospheric predictions	Dec. 7	VI	267
IWP 6/4 sky-wave propagation at frequencies between 150 and 1600 kHz	Dec. 8	VI	267

Interim Working Parties (cont'd)

IWP 6/5 propagation at frequencies below approximately 150 kHz with particular emphasis on ionospheric effects	Dec. 9	VI	268	Land Mobile Service determination of	S.P. 7C-1/8	VIII	435
IWP 6/7 short-term predictions of operational characteristics for ionospheric radiocommunications	Dec. 10	VI	269	VHF mobile maritime radiotelephone service interference source	Rec. 427	VIII	57
IWP 6/8 VHF propagation by sporadic-E	Dec. 11	VI	270	internal communications on board ships using portable radiotelephone equipment	Rep. 589 Q. 18-1/8 S.P. 18A/8	VIII	175 448 450
IWP 7/1 standard-frequency and time-signal emissions	Dec. 12	VII	75	International Association, Lighthouse Authorities (I.A.L.A.) radar beacons (racons)	Q. 27/8	VIII	455
IWP 7/2 forms of expression for use in the standard-frequency and time-signal service	Dec. 13	VII	76	shipborne transponders	Q. 28/8	VIII	455
IWP 7/3 reduction of mutual interference in the standard-frequency and time-signal service	Dec. 14	VII	76	International Astronomical Union (I.A.U.) see also Volume II			
IWP 8/1 digital radio-relay systems: performance objectives, reliability and availability	Dec. 15	IX	285	advice to Study Group 7	Op. 26-2	VII	78
IWP 9/2 technical characteristics of systems in the Maritime Mobile-Satellite Service	Dec. 16	VIII	457	cooperation with Study Group 7	Res. 14-3	VII	78
IWP 11/2 protection ratios for frequency sharing between broadcasting-satellite systems and terrestrial broadcasting systems: television	Dec. 17	XI	304	effectiveness of UTC system	Dec. 12	VII	75
IWP CMTT/1 digital systems for the transmission of sound programme and television signals	Dec. 18	XII	237	opinion on time scales	Op. 36-1	VII	80
IWP CMV/1 terms and definitions	Dec. 19	XII	267	radio time signals, application	Rec. 459	VII	17
IWP CMV/2 terms relating to recording	Dec. 20	XII	269	standard-frequency and time-signal emissions	Rec. 460-1	VII	19
intermediate frequency characteristics radio-relay systems for television and telephony	Rec. 403-2	IX	191	time-scale notations	Op. 48	VII	81
intermodulation broadcasting	Rec. 498	X	24	International Atomic Time (TAI) <i>definition</i>	Rec. 460-1	VII	19
intermodulation products Aeronautical/Maritime Mobile-Satellite Services caused by transponder non-linearities	Rep. 510-1	VIII	294	weighting procedure	Rep. 579	VII	64
				international atomic time scale reference of standard-frequency emissions, in LF and VLF emissions	Rec. 486	VII	23
				international circuit see circuit			
				International Civil Aviation Organization (I.C.A.O.) aeronautical radio beacons	Rep. 581	VIII	44
				definitions of interference	S.P. 21A-1/8	VIII	451
				Doppler shift errors	Rep. 590	VIII	203
				effectiveness of UTC system	Dec. 12	VII	75
				emergency position-indicating beacons, future use of	Q. 31/8	VIII	457
				emergency position-indicating radio beacons	Rec. 439-1	VIII	62
				frequency tolerance, Aeronautical Mobile Service	Rep. 590	VIII	201

International Civil Aviation Organization
(I.C.A.O.) (*cont'd*)

frequency tolerances	Rec. 495	VIII 200	international alarm signals	Rec. 219-1	VIII 51
planning and protection of Aeronautical Mobile (R) Ser- vice frequencies above 30 MHz	Rec. 441	VIII 199	radiotelephony transmitter, minimum normal range	Rep. 586	VIII 167
radar beacons (racons)	Q. 27/8	VIII 455	International Council of Scientific Unions (I.C.S.U.)		
radio beacons	Rec. 487 Q. 15-1/8	VIII 26 VIII 443	standard-frequency and time- signal emissions	Rec. 374-3 Rec. 460-1	VII 13 VII 18
radio-beacons	Rec. 487	VIII 26	International Electrotechnical Commission (IEC)		
satellite radiocommunication and radiodetermination techni- ques for aeronautical require- ments	Q. 16-1/8	VIII 443	Introd.		IX 20
satellite systems for Aeronau- tical Mobile Service and Mari- time Mobile Service	S.P. 17A/8	VIII 446	cooperation on an equal foot- ing between the CCI's and the IEC on work relating to vocabulary	Rep. 441	XII 254
sharing frequency band, Mo- bile-Satellite Service	Rep. 511	VIII 301	coordination of the work of the C.C.I.R. and other organi- zations on the unification of means of expression	Res. 22	XII 270
sharing possibilities, aeronau- tical/maritime-mobile satellite system	Rep. 595	VIII 378	coordination of work of C.C.I.R. and the IEC	Op. 50	IX 288
SSB radiotelephony	Rec. 258-2	VIII 21	criteria for receiver tuning	Rep. 188-1	I 149
standard-frequency and time- signal emissions	Rec. 374-3 Rec. 460-1 Q. 5/7	VII 13 VII 18 VII 74	equipment used in Land Mo- bile Service between 25 and 1000 MHz	Op. 42-1	VIII 461
time-scale notations	Op. 48	VII 81	general graphical symbols for radiocommunications (graphi- cal symbols prepared by the Joint IEC/CCI)	Rep. 440-2	
VHF direction-finding, aero- nautical aspects	Rep. 93	VIII 29	general graphical symbols for telecommunications	Rec. 461-1 Rep. 335-3 Res. 23	XII 249 XII 250 XII 271
international clock synchronization using very long baseline radio interferometry (VLBI)	Rep. 363-3	VII 47	limits on the use of the term "decibel"	Rep. 650	XII 260
International Committee of Weights and Measures (C.I.P.M.)			man-made noise, measure- ment methods	Op. 49	VIII 463
Coordinated Universal Time (UTC)	Op. 47	VII 80	measurement methods, techni- cal characteristics for equip- ment, maritime mobile VHF bands	Rep. 583	VIII 157
effectiveness of UTC system	Dec. 12	VII 75	noise, sensitivity, selectivity, and stability of amplitude- modulation and frequency- modulation receivers	Op. 32	I 518
International Convention/Safety of Life at Sea			selectivity of receivers	Rec. 332-3	I 41
direction-finding, homing	Rec. 428-2	VIII 58	sensitivity, selectivity and sta- bility of amplitude-modulation and frequency-modulation re- ceivers	Rec. 237-1	I 17
emergency position radio beacons	Rec. 439-1	VIII 62	sensitivity, selectivity and sta- bility of television receivers	Rec. 330	I 19
interference to radio receiving equipment	Rec. 218-1	VIII 49	spurious emissions from re- ceivers, excluding sound-bro- adcast and television receivers	Q. 10/1	I 475
metre-ampere table	Rep. 502-1	VIII 132			
power, 2 MHz band	Rec. 488	VIII 90			
radio direction-finding	Rec. 423-2	VIII 24			
radiotelegraph auto-alarm	Rec. 224	VIII 52			
self-supporting antennae	Q. 6/8 S.P. 6A-2/8	VIII 429 VIII 429			

International Electrotechnical Commission (IEC) (cont'd)

spurious radiations from broadcast and television receivers	Rec. 239-1	I	18
terms and definitions	Dec. 19	XII	267
Working Group and appearing in definitive form in IEC publications (Report published separately)			
cooperation with C.C.I.R. and C.C.I.T.T.			
means of expression	Introd.	XII	241
coordination of cooperation with C.C.I.R., on measurements for adjustment and maintenance radio-relay systems	Op. 50	IX	288
international exchange			
sound programmes, recorded magnetic tape recording, standards	Rec. 407-2	X	197
recording standards, use of additional section for checking technical parameters of stereophonic tapes	Rep. 622	X	217
standards for automatic programming of sound broadcasting stations, cue signals and track formats	Q. 37/10	X	253
standards of recording	S.P. 1A-1/10	X	223
tape or disc recordings	Rec. 407-2	X	197
television programmes see Section 11B, Volume XI			
television programmes, recorded addition of data for controlling automatic equipment, added to recorded programmes, on film or magnetic materials	Q. 28/11	XI	299
film, magnetic sound recording and reproducing standards, recording and reproducing characteristics for 16 SEPMAG and 16 COM-MAG	Q. 19/11	XI	293
magnetic tape	Rep. 630	XI	172
magnetic tape recording, standards	Rec. 469-1	XI	153
magnetic tape, standards, helical-scan recording	S.P. 18B/11	XI	291
methods	Q. 2-2/11	XI	273
monochrome and colour, on film, standards	Rec. 265-3 Rep. 294-3 Q. 21-1/11	XI XI XI	143 164 294
monochrome and colour, via satellites	Op. 38	XI	305

optical sound recording and reproducing standards	Q. 17-1/11	XI	290
programme evaluation	S.P. 18D/11	XI	292
video-frequency characteristics of television systems, 625-line colour or monochrome	Rec. 472-2	XI	53

International Frequency Registration Board
see under "I.F.R.B."

International Organization for Standardization (ISO)

time-scale notations	Op. 48	VII	81
----------------------	--------	-----	----

International Special Com. Radio Interference (C.I.S.P.R.)

cooperation with C.I.S.P.R.	Op. 2	I	515
examination of results obtained	S.P. 4B-2/1	I	472
field strength measurement	Rep. 227-1	V	146
limitation of unwanted radiation from electrical apparatus and installations	Q. 4/1 S.P. 4A/1	I I	470 471
man-made noise, measurement method	Op. 49	VIII	463
methods for the measurement of radio interference and the determination of tolerable levels of interference	Rec. 433-2	I	312
protection of radiocommunication equipment from interference by electrical apparatus and installations	S.P. 4C/1	I	473
response of broadcast and television receivers to impulsive and quasi-impulsive interference	Rec. 334-2	I	80
spurious emissions from receivers	Rep. 193-1	I	154
spurious emissions from receivers, excluding sound-broadcast and television receivers	Q. 10/1	I	475
spurious radiations from broadcast and television receivers	Rec. 239-1	I	18
usable sensitivity in the presence of quasi-impulsive interference	Rep. 183-2	I	124
international telegraph alphabet No. 2			
	Rec. 342-2	III	119
conversion table	Rec. 476-1	VIII	82
international telegraph alphabet No. 5.			
digital selective-calling Maritime Mobile Service	Rep. 501-1	VIII	126

International Teleph./Teleg. Consultative Committee
see under "C.C.I.T.T."

International Union of Geodesy and Geophysics
(I.U.G.G.)

advice to Study Group 7	Op. 26-2	VII	78
cooperation with Study Group 7	Res. 14-3	VII	78
effectiveness of UTC system	Dec. 12	VII	75
opinion on time scales	Op. 36-1	VII	80
routine ionospheric sounding	Op. 22-2	VI	272
standard-frequency and time-signal emissions	Rec. 460-1	VII	19
time-scale notations	Op. 48	VII	81

International Union of Pure and Applied Physics
(I.U.P.A.P.)

advice to Study Group 7	Op. 26-2	VII	78
cooperation with Study Group 7	Res. 14-3	VII	78
effectiveness of UTC system	Dec. 12	VII	75
time-scale notations	Op. 48	VII	81

International Union of Radio Science
(U.R.S.I.)

advice to Study Group 7	Op. 26-2	VII	78
cooperation with Study Group 7	Res. 14-3	VII	78
effectiveness of UTC system	Dec. 12	VII	75
field strength measurement parameters	Rep. 227-1	V	150
International Ursigram and World Days Service (I.U.W.D.S.), ionospheric forecast and disturbance warning	Rec. 313-2 Rep. 247-3	VI VI	17 22
ionospheric characteristics pertinent to radiocommunication systems design	Rep. 16A-2/6	VI	261
ionospheric cross-modulation	Rep. 574 Q. 23-1/6	VI VI	178 265
Ionospheric Network Advisory Group (I.N.A.G.)	Rep. 255-3 Rep. 430-1	VI VI	36 72
measurement of atmospheric noise from lightning	Rep. 254-3 S.P. 7B/6	VI VI	64 253
nomenclature of the frequency and wavelength bands used in radiocommunications	Rec. 431-2	XII	258
opinion on time scales	Op. 36-1	VII	80
prediction of sporadic E	Rep. 344-2 S.P. 4A-2/6	VI VI	102 249

radio noise	Q. 46/1 S.P. 7C/6 Q. 7-1/6 S.P. 7A/6	I V VI VI	502 254 252 252
-------------	---	--------------------	--------------------------

radio noise within and above the ionosphere	Rep. 342-2	VI	237
routine ionospheric sounding	Op. 22-2	VI	272
sky-wave propagation at frequencies below 150 kHz with particular emphasis on ionospheric effects	Rep. 265-3 S.P. 17B-1/6	VI VI	123 263
standard-frequency and time-signal emissions	Rec. 460-1	VII	19
time-scale notations	Op. 48	VII	81
unit of quantity of information	Rec. 166-1	XII	258
Ursigram service	Rep. 248-3	VI	26
world-wide ionospheric observing programme	S.P. 2A-2/6	VI	247
International Ursigram and World Days Service (I.U.W.D.S.)	Rec. 313-2	VI	17
ionospheric forecasts and disturbance warning	Rec. 247-3 Rep. 248-3	VI VI	22 26

International Weights and Measures Commission
system of units (S.I.)

Rec. 430	XII	257
----------	-----	-----

interruptions

sound programme services	Rep. 642	XII	200
television programme services	Rep. 639	XII	132
definition			
traffic on line-of-sight systems			
radio-relay systems for telephony	S.P. 5B-1/9	IX	264
transmission			
radio-relay systems for television and telephony	Rep. 443	IX	157

inter-satellite links

selection of frequencies and system design, factors affecting, omnidirectional antennae on both spacecraft, directional antennae on one spacecraft, directional antennae on both spacecraft	Rep. 451-1	IV	50
system design			
selection of frequencies, factors affecting, omnidirectional antennae on both spacecraft, directional antennae on one spacecraft, directional antennae on both spacecraft	Rep. 451-1	IV	50

inter-system interference noise

satellite systems allowance for	Rep. 453-1	IV	194
---------------------------------	------------	----	-----

ionization

sporadic E

characteristics	Rep. 573	VI	103
prediction	Rep. 344-2 S.P. 4A-2/6	VI VI	102 249

ionosphere

see also under "propagation, ionospheric"

basic indices

see under "propagation, ionospheric"

characteristics

C.C.I.R. atlas	Rep. 434-2	VI	71
	Rep. 340-2	VI	72

cross-modulation

Rep. 574	VI	178
S.P. 23A/6	VI	265
Q. 23-1/6	VI	265

equatorial

HF radiocommunication, special problems

Rep. 343-2	VI	94
Q. 6-2/6	VI	251
S.P. 6A/6	VI	251

observations

geographic distribution and programme

Q. 2-2/6	VI	247
----------	----	-----

observing programme

numerical mapping, improvement in

Rep. 430-1	VI	72
S.P. 2A-2/6	VI	247

predictions

long-term, basic	Dec. 7	VI	267
------------------	--------	----	-----

shielding effects

Q. 8/2	II	314
--------	----	-----

sounding

oblique incidence

Rep. 357-1	III	60
S.P. 20A/3	III	211
Rep. 249-3	VI	32
S.P. 12A-1/6	VI	259

routine

Op. 22-2	VI	272
----------	----	-----

ionospheric propagation

see under "propagation, ionospheric"

J

Joint Advisory Group: Institute of Navigation (JAG/ION)

time-scale notations	Op. 48	VII	81
----------------------	--------	-----	----

Joint C.C.I.R./C.C.I.T.T. Study Groups and Working Parties

CMTT

C.C.I.R./C.C.I.T.T. Joint Study Group for television and sound transmission	Res. 61 Dec. 18	XIII XII	176 237
---	--------------------	-------------	------------

CMV

C.C.I.R./C.C.I.T.T. Joint Study Groups for vocabulary

Res. 61	XIII	176
Dec. 19	XII	267
Dec. 20	XII	286

implementation arrangement, vocabulary

Rep. 441	XII	254
----------	-----	-----

Joint Special Study Group C

circuit noise and reliability

Res. 61	XIII	177
Op. 13-1	IX	286

Plan Committees

for Africa

Res. 61	XIII	178
---------	------	-----

for Asia and Oceania

Res. 61	XIII	178
---------	------	-----

for Europe and the Mediterranean Basin

Res. 61	XIII	178
---------	------	-----

for Latin America

Res. 61	XIII	178
---------	------	-----

Special Autonomous working party No. 3 (GAS 3)

economic and technical comparison of transmission systems

Res. 61	XIII	177
---------	------	-----

Special Autonomous working party No. 4 (GAS 4)

primary power sources

Res. 61	XIII	177
---------	------	-----

World Plan Committee

Res. 61	XIII	178
---------	------	-----

Joint Coordination Group (Vocabulary)

terms of reference

Rep. 441	XII	255
----------	-----	-----

Julian Date

Modified Julian Date (MJD)

origin

Rec. 457-1	VII	16
------------	-----	----

use of by the Standard-Frequency and Time-Signal Services

Rec. 457-1	VII	15
------------	-----	----

junction frequency (JF)

definition

Rec. 373-3	VI	31
Rep. 256-2	VI	40

K

keying

HF fixed service

four-frequency duplex

Rec. 346-1	III	134
------------	-----	-----

frequency-shift

Rec. 246-3	III	117
Rep. 19-1	III	143
Rep. 198	III	157
Rep. 345-1	III	158
Rep. 347	III	173

phase shift

Rep. 346	III	168
----------	-----	-----

k-factor

see under "refractivity gradient"

L

Land Mobile Service

(see Section 8C, Volume VIII)

equipment, technical characteristics

Rec. 478-1 VIII 179

between 25 and 1000 Mhz

equipment, technical characteristics

Rep. 319-3 VIII 184
S.P. 7A-1/8 VIII 433

equipment, technical characteristics, measurement method

Op. 42-1 VIII 461

leap-second

introduction of, *definition*

Rec. 460-1 VII 20

lincomplex

see under: "linked compressor and expander"

line-of-position

technique

single-satellite, satellites ranging system

Rep. 515-1 VIII 319

line-up

measurements

radio-relay systems for television and telephony

Q. 22/9 IX 285

link

objectives

shore-satellite-ship, public correspondence

Rep. 601 VIII 407

linked compressor and expander (Lincomplex)

international maritime mobile radiotelephony, equipment characteristics

Rec. 475-1 VIII 64

radiotelephony, general, Maritime Mobile Service

Rep. 500-1 VIII 109

report on performance and improvement

Rep. 354-2 III 100

tests in MF and HF bands, radiotelephony, Maritime Mobile Service

Rep. 500-1 VIII 110

HF fixed service, radiotelephony equipment characteristics

Rec. 455-1 III 82

international maritime mobile telephony

equipment characteristics

Rec. 475-1 VIII 64
Q. 11/8 VIII 439
S.P. 11A/8 VIII 439

report on performance and test

Rep. 500-1 VIII 109

MF and HF maritime radiotelephone service

Q. 11/8 VIII 439

radiotelephone circuits

description and parameters, fixed service, HF

Rec. 455-1 III 82

performance report on, and improvement of, fixed service, HF

Rep. 354-2 III 100

study

S.P. 11A/8 VIII 439

link, radio, HF

international telephone circuits used in

Rec. 335-2 III 77

listening and control rooms

broadcast programmes acoustical properties, determination of

Q. 38/10 X 253

listening tests

see also under "loudness subjective"

measuring methods

high quality sound-programme circuits

Rep. 496-1 XII 166

LORAN-C

navigational aids, characteristics

Rep. 267-3 VII 34

phase comparisons

Rep. 363-3 VII 45

precise time comparisons

Rep. 271-4 VII 42

time information, relayed by satellite

Rep. 600 VIII 402

loudness, subjective

broadcasting programme determination of

Rep. 465-1 X 214
Q. 4/10 X 224

measurement, indication and control of

S.P. 4A/10 X 224

M

magnetic tape cartridges and cassettes

sound broadcasting use of

Rep. 467-1 X 215

maintenance

fixed service using radio-relay systems (see Section 9C, Volume IX)

radio-relay systems

coordination between C.C.I.R. and IEC on measurements

Op. 50 IX 288

for television and telephony, measurements

Q. 22/9 IX 285

frequency-division multiplex, procedure

Rec. 290-2 IX 139

Maritime Mobile-Satellite Service

technical characteristics of systems: IWP 8/1

Dec. 15 VIII 457

Maritime Mobile Service (see Section 8B, Volume VIII)				Maritime Mobile Service	Rep. 588	VIII 172
maritime satellite systems				reception on board ships	Op. 24	VIII 461
public correspondence				meteorological satellites		
possible technical characteristics	Rep. 601	VIII 404		preferred characteristics of systems	Q. 4/2	II 309
tests				spectrum requirements of systems, practicability of sharing	S.P. 4A/2	II 310
ATS-5 satellite	Rep. 598	VIII 391		frequencies suitable bands 8, 9, 10, 11	Rec. 362-1	II 159
band 8 (VHF), ATS-1 and ATS-3 satellites	Rep. 600	VIII 398		geostationary satellite orbit sharing with meteorological aids, 400 MHz and 1 to 3 GHz, METEOSAT and GOES	Rep. 541	II 239
marker				present and future systems data handling	Rep. 395-2	II 168
standard-frequency and time-signal emissions				meteorological sensing data	Rep. 395-2	II 180
definition	Rep. 366-2	VII 53		spectrum considerations	Rep. 395-2	II 162
frequency offset, definition	Rep. 366-2	VII 53		metre-ampere		
maser				self-supporting antennae, on board ships, definition	Op. 43-1	VIII 462
hydrogen				calculation, definition		
frequency standard	Rep. 364-2	VII 52		safety of life at sea	Rep. 502-1	VIII 133
maximum observed frequency (MOF)				table		
definition	Rec. 373-3 Rep. 256-2	VI 31 VI 40		calculation method	Rep. 502-1	VIII 154
maximum usable frequency (MUF)				microwave systems		
available data	Rep. 340-2	VI 72		see "radio-relay systems"		
definition	Rec. 373-3 Rep. 256-2	VI 31 VI 40		minimum usable field strength (E_{min})		
prediction	Rep. 255-3	VI 36		broadcasting, bands 5 (LF) and 6 (MF)		
classical MUF				definition	Rec. 499-2	X 24
definition	Rec. 373-3 Rep. 256-2	VI 31 VI 40		mode A (ARQ)		
operational MUF				direct-printing telegraphy		
definition	Rec. 373-2 Rep. 256-2	VI 31 VI 40		Maritime Mobile Service	Rec. 476-1 Rec. 492	VIII 82 VIII 96
prediction				mode B		
(see Section 6B, Volume VI)				forward error correction (FEC)		
standard MUF				direct-printing telegraphy, Maritime Mobile Service	Rec. 476-1 Rec. 492	VIII 84 VIII 97
definition	Rec. 373-3 Rep. 256-2	VI 31 VI 40		modulation		
means of expression				characteristics		
cooperation of IEC with C.C.I.R. and C.C.I.T.T.	Introd.	XIII 241		effects on the efficiency of use of the geostationary-satellite orbit	Rep. 559	IV 280
unification of work coordination, C.C.I.R. with other organizations, federation of documentation, (F.I.D.)	Res. 22	XII 270		digital		
meteorological aids (terrestrial)				compatibility with voice channel, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII 282
sharing with meteorological satellites				energy dispersal	Rep. 384-2	IV 90
geostationary satellite orbit, 400 MHz and 1 to 3 GHz	Rep. 541	II 239		spread spectrum (pseudo-random coding), to limit interference	Rep. 537 Rep. 548	II 86 II 140
meteorological chart						
facsimile transmission						
HF fixed service	Rec. 343-1	III 129				

modulation, digital (cont'd)

television systems, standards	Q. 25-1/11	XI	296
use of phase-locked loops for demodulation, PCM and PSK in space research	Rep. 545	II	117
effect of modulation system on interference			
digital (spread spectrum)	Rep. 548	II	140
FM and AM	Rep. 537	II	86
	Rep. 396-2	II	198
frequency			
analogue, energy dispersal	Rep. 384-2	IV	90
low modulation index, interference effect comparable with CW	Rep. 544	II	115
pre-emphasis, use of in frequency modulation systems	Rep. 212-3	IV	85
interference			
multipath reflection, aircraft-to-satellite link	Rep. 505-1	VIII	233
effects on orbit/spectrum utilization	Repw 453-1	IV	195
phase			
digital radio-relay systems	Rep. 378-2	IX	226
polar			
frequency-modulation sound broadcasting, stereophonic systems	Rec. 450	X	113
pulse-code, delta, etc.			
see under "pulse-code modulation", "delta modulation" etc.			
sense of			
radio-relay systems, television	Rec. 276-2	IX	189
systems			
effects of in relation to multiple access	Rep. 212-3	IV	138
optimum systems, land mobile services, between 25 and 1000 MHz	S.P. 7B-1/8	VIII	435
techniques			
analogue voice-modulation design parameters, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII	280
optimum, Land Mobile Service	S.P. 7B-1/8	VIII	434
space techniques for aircraft and ships	Rep. 509-1	VIII	279
theoretical analysis, aeronautical/maritime mobile-satellite system	Rep. 597	VIII	385
theoretical comparison, maritime satellite system	Rep. 601	VIII	406

MOLNIYA

satellite systems			
characteristics	Rep. 207-3	IV	30
monitoring			
automatic			
television stations	Rep. 628	XI	137
	Q. 15/11	XI	289
Handbook for monitoring stations	Res. 16-1	I	510
revision of handbook	Res. 43	I	514
international system			
extension to a world-wide scale	Res. 15-1	I	510
services (facilities)			
developing countries	Q. 32/1	I	489
developing countries, tasks which a monitoring station should be able to perform, organization and operation of technical equipment	Rep. 371-1	I	417
international	Rep. 282-3	I	406
special campaigns			
by the I.F.R.B., standard-frequency service, bands allocated exclusively	Op. 28	VII	79
monitoring stations			
(see Section 1D). Volume I)			
antennae	Q. 31/1	I	489
frequencies below 30 MHz, between 30 MHz and 1 GHz, above 1 GHz, feeders, earth connections, needed improvements in characteristics of monitoring antennae	Rep. 373-2	I	439
assistance by			
operation of various radio services	Rep. 370-1	I	415
	Q. 33/1	I	490
	S.P. 33A/1	I	491
	Op. 29	I	517
bandwidth measurement	Rec. 443	I	356
	Rep. 275-3	I	373
	Q. 26/1	I	484
	S.P. 26A/1	I	485
cooperation between	Op. 35	I	519
direction finding at	Q. 28-1/1	I	486
fixed direction-finders, mobile direction-finders, accuracy of bearings and positions, computer programme to improve accuracy	Rep. 372-2	I	424
emissions from spacecraft			
monitoring	Rep. 276-3	I	378
	Q. 27/1	I	486

monitoring stations (cont'd)

field-strength measurement	Rep. 273-3 Q. 24/1	I 368 I 483	systems, characteristics	S.P. 2E-1/4	IV 311
accuracy of field strength measurements	Rec. 378-1	I 352	frequency division (FDMA) aeronautical/maritime mobile satellite system	Rep. 596	VIII 380
expeditious method	Rec. 442 Rep. 368 Q. 25/1	I 355 I 411 I 484	time division (TDMA) aeronautical/maritime mobile satellite system	Rep. 596	VIII 380
frequency measurements	Rep. 272-3 Q. 22/1	I 358 I 480	multiple-frequency bands satellite systems	Rep. 453-1	IV 196
accuracy of frequency measurements	Rec. 377-1	I 351	multiple-range measurements geostationary satellite	Rep. 515-1	VIII 313
accuracy of frequency measurements: determination of average accuracy	S.P. 22A/1	I 481	multiple spot beam techniques satellite antenna, aeronautical/ maritime mobile-satellite system	Rep. 596	VIII 382
mobile measurements	Rep. 277-2	I 386	multiplex HF, radiotelegraphy classification	Rec. 347	III 136
Moon shielding effects	Q. 9/2	II 314	data transmission	Rec. 456	III 139
multipath balloon test, to simulate a satellite	Rep. 599	VIII 395	voice-frequency telegraphy	Rec. 436-1	III 138
see also under "propagation, multipath"			HF, radiotelephony channel arrangement	Rec. 348-2	III 80
multiple access factors affecting, Fixed-Satellite Service	Rep. 213-3	IV 137	common frequency system	Rep. 353	III 96
public correspondence, Maritime Mobile-Satellite Service	Rep. 601	VIII 404	techniques combination of voice, data and radiodetermination signals, Mobile-Satellite Service	Rep. 507-1	VIII 276
speech interpolation techniques in TDMA systems	Rep. 211-3 Rep. 213-3	IV 133 IV 149	N		
time division multiple access	Rep. 213-3 Rep. 213-3	IV 114 IV 145	narrow-band satellite technique radiodetermination, Mobile-Satellite Service	Rep. 507-1	VIII 274
common spectrum (CSMA) aeronautical/maritime mobile satellite system	Rep. 596	VIII 380	navigation and traffic control satellite system integrated	Rep. 515-1	VIII 335
Fixed-Satellite Service (see also "Fixed-Satellite Service")			necessary bandwidth definition	Rec. 328-3	I 295
effects on systems using multiplexing on radio-frequencies	Rep. 213-3	IV 144	nodal period definition	Rep. 204-3	IV 19
factors affecting multiple access systems	Rep. 213-3 S.P. 2E-1/4	IV 137 IV 311	node ascending (descending) definition	Rep. 204-3	IV 18
frequency-division multiple access (FDMA)	Rep. 211-3 Rep. 213-3	IV 113 IV 144	noise factor affecting choice of frequency for telecommunications between aircraft/ship and satellite	Rep. 504-1	VIII 217
modulation, multiplexing, orbital parameters and earth station sensitivity	Rep. 213-3	IV 137			
possible methods of modulation and multiple access	Rep. 211-3 Q. 2-2/4 S.P. 2D-1/4	IV 113 IV 306 IV 310			

noise (*cont'd*)

acceptable, admissible, permissible				of a receiving system (Report published separately)	Rep. 413	10
during short periods of time, line-of-sight radio-relay systems for telephony	Rep. 130	IX	65	of a receiving system, measurement (Report published separately)	Rep. 413	13
during very short periods of time, radio-relay systems for television and telephony	S.P. 2A-1/9	IX	256	"expanded" measurement	Rep. 493-1	XII 155
hypothetical reference circuit, radio-relay systems for television (system I only)	Rec. 462	IX	48	extra-terrestrial affecting the choice of frequency band, aeronautical/maritime satellites	Rep. 591	VIII 337
transmission of monochrome television, trans-horizon radio-relay systems	Q. 14/9	IX	278	factor see under "noise factor"		
affecting choice of frequency band				fixed-satellite systems for telephony		
telecommunication between aircraft and/or ship and a satellite	Rep. 591	VIII	336	measurement conditions in actual traffic of,	Rec. 481	IV 72
AM and FM receivers	Op. 32	I	518	fixed service using radio-relay systems (see Section 9A, Volume IX)		
antenna				frequency and phase characterization of, in frequency generators	Rep. 580	VII 65
VHF, aeronautical/maritime satellites	Rep. 591	VIII	340	galactic noise contributions, aeronautical/maritime satellites	Rep. 591	VIII 338
atmospheric	Rep. 183-2	I	124	internal protection ratios based on internal noise and distortion in receiver	Rep. 358-2	VIII 31
(absorption, precipitation static, sferics), aeronautical/maritime satellites	Rep. 591	VIII	341	man-made (see also Section 6D, Volume VI)	Rep. 183-2 Rep. 258-2 S.P. 7C/6	I 125 VI 68 VI 254
(see Section 6D, Volume VI)				affecting choice of frequency band, aeronautical/maritime satellites	Rep. 591	VIII 337
audio-frequency measurement, in broadcasting and in sound recording systems	Rep. 398-2	X	212	effect of, radio paging	Rep. 499-1	VIII 41
measurement, in broadcasting and in sound recording systems and on sound programme circuits	Rec. 468-1	X	202	grade of service, in presence of man-made noise, land mobile service	Rep. 358-2	VIII 31
measurement, in broadcasting, and in sound recording systems	S.P. 2A/10	X	223	various mobile services, measurement method	Op. 49	VIII 463
circuit				measurement		
radio-relay systems for telephony, Joint Special Study Group C (C.C.I.T.T./C.C.I.R.)	Op. 13-1	VIII	286	aeronautical VHF satellite test	Rep. 600	VIII 398
distribution summation of, in cascaded circuits	Rep. 604	IX	72	natural terrestrial affecting choice of frequency band, aeronautical/maritime satellites	Rep. 591	VIII 337
during periods without fading radio-relay systems for television and telephony	S.P. 2C/9	IX	258	noise factor definition	Rec. 331-3	I 21
effective bandwidth measurement of, using a dispersed signal source (Report published separately)	Rep. 413		14			

noise, noise factor (cont'd)

receiver, measurement of, using a dispersed signal source (Report published separately)	Rep. 413		14	very long telephone connections for telephony	S.P. 2B-1/9	IX	257
receivers, general considerations	Rec. 331-3	I	30	shipboard predominant sources of, aeronautical/maritime satellites	Rep. 591	VIII	343
receiving systems (Report published separately)	Rep. 413		10	standard-frequency generator atomic sources and quartz crystal oscillators	Rep. 364-2	VII	50
reference point for operating noise factor (Report published separately)	Rep. 413		20	temperature definition	Rec. 331-3	I	21
representative values (excluding television receivers and radiotelegraph receivers for automatic reception)	Rec. 331-3	I	30	receiving system, noise contributions, aeronautical/maritime satellites	Rep. 591	VIII	338
representative values, radiotelegraph receivers for fixed service (automatic reception)	Rec. 331-3	I	33	threshold receiving system, operating noise (Report published separately)	Rep. 413		
representative values, television receivers	Rec. 331-3	I	38	transmission-line and receiver noise figure, aeronautical/maritime satellites	Rep. 591	VIII	344
noise performance of equipment measurement of, radio-relay systems for telephony, using frequency-division multiplex	Rep. 612	IX	179	very long telephone connections radio-relay systems for telephony using frequency-division multiplex	Rep. 288-2	IX	67
objectives sound programme circuit 2500 km long, radio-relay systems for television and telephony	Rep. 375-1	IX	69	noise and interference high-precision time signals considerations	Rep. 270-2	VII	39
permissible hypothetical reference circuit, radio-relay systems for television, (system I excepted)	Rec. 289-1	IX	30	noise and sensitivity receivers	Rec. 331-3	I	20
power supply	Rep. 495-1	XII	162	noise band noise effective overall width of, definition	Rec. 331-3	I	22
from supply sources having higher frequencies than low-frequency public supply	S.P. 5L/CMTT	XII	231	nomenclature frequency and wavelength bands used in radiocommunications	Rec. 431-2	XII	258
radio noise	Q. 46/1 Q. 7-1/6	I VI	502 252	nominal usable field strength (E_{nom}) broadcasting, bands 5 (LF) and 6 (MF) definition	Rec. 499-2	X	25
atmospheric, lightning caused, measurement of	Rep. 254-3 S.P. 7B/6	VI VI	64 253	numbering plan Maritime Mobile Service traffic routing and charging, C.C.I.T.T. interest	Rec. 492	VIII	96
atmospheric, world distribution and characteristics (Report published separately)	Rep. 322-1						
data, use of	Rec. 372-1	VI	63				
ionosphere, within and above	Rep. 342-3 S.P. 7A/6	VI VI	237 252				
radio-relay systems systems for telephony, using frequency-division multiplex, measurement in actual traffic	Rec. 398-3	IX	141	OMEGA navigational aids, characteristics	Rep. 267-3	VII	35
using frequency-division multiplex, noise on the radio portions of circuits established over real links	Rec. 395-1	IX	42	signal phase information, VHF satellite tests	Rep. 600	VIII	402
				VLF navigation system, time and frequency information	Rep. 271-4	VII	43

O

OMEGA (cont'd)

relay system				orbital plane			
navigation signals, maritime				of a satellite, <i>definition</i>	Rep. 204-3	IV	18
satellite distress system	Rep. 602	VIII	414	orbit/spectrum utilization			
on-board communication				methodology for relating to			
see under "radiating cable				system parameters; baseband			
systems"				noise due to thermal noise,			
operation				baseband noise due to interfer-	Rep. 453-1	IV	211
aeronautical service				ence, total baseband noise			
Aeronautical Mobile-Satellite				modulation characteristics, ef-			
Service	Rep. 595	VIII	373	fect of	Rep. 453-1	IV	195
Land Mobile Service				radiodetermination-satellite sys-			
two-frequency and single-fre-				tems			
quency, advantages and disad-				mobile satellite systems	Rep. 506	VIII	263
vantages	Rep. 319-3	VIII	190	satellite communication systems			
Maritime Mobile-Satellite Ser-				Mobile-Satellite Service	Rep. 506	VIII	258
vice				unperturbed			
operational requirements	Rep. 595	VIII	375	<i>definition</i>	Rep. 204-3	IV	18
procedure				utilization			
direct-printing telegraphy,				Fixed-Satellite Service, effects			
Maritime Mobile Service	Rec. 492	VIII	96	of side-lobe envelopes	Rep. 558	IV	262
HF maritime mobile service,				ORBITA			
SSB radiotelephony	Rec. 477	VIII	89	satellite system			
radiodetermination				characteristics	Rep. 207-3	IV	30
aircraft and/or ships	Rep. 595	VIII	373	orthogonal polarizations			
satellite radiocommunications				advantages			
for aircraft and/or ships	Rep. 595	VIII	373	planning, broadcasting servi-			
selective-calling system				ces in bands 8 (VHF) and			
general purpose, Maritime				9 (UHF), sound and televi-			
Mobile Service operational re-				sion	Rep. 122-2	XI	99
quirements	Rep. 501-1	VIII	119	out-of-band emission			
orbit				<i>definition</i>	Rec. 328-3	I	295
<i>definition</i>	Rep. 204-3	IV	18	out-of-band radiation			
circular polar				<i>definition</i>	Rec. 328-3	I	296
Mobile-Satellite Service	Rep. 506	VIII	259	permissible			
direct (retrograde)				<i>definition</i>	Rec. 328-3	I	296
<i>definition</i>	Rep. 204-3	IV	18	out-of-band spectrum			
elliptical, inclined				<i>definition</i>	Rec. 328-3	I	295
Mobile-Satellite Service	Rep. 506	VIII	258	permissible			
equatorial				<i>definition</i>	Rec. 328-3	I	295
<i>definition</i>	Rep. 204-3	IV	19				
geostationary satellite				P			
Mobile-Satellite Service	Rep. 506	VIII	258	paging, radio			
inclined				see under "radio paging"			
geosynchronous satellite, fre-				passband			
quency re-use	Rep. 453-1	IV	200	receivers			
inclined, synchronous				amplitude-modulated signals	Rec. 332-3	I	41
Mobile-Satellite Service	Rep. 506	VIII	260	passive satellite			
number of satellites				<i>definition</i>	Rep. 204-3	IV	17
maritime satellite systems	Rep. 592	VIII	349	path antenna power gain			
orbital elements				calculation	Rec. 341	I	83
of a satellite or other object in							
space, <i>definition</i>	Rep. 204-3	IV	18				

polarization (cont'd)

satellite links
mobile-vehicle antenna Rep. 594 VIII 362

polarization discrimination

broadcasting services
bands 8 (VHF) and 9 (UHF) Rep. 122-2 XI 99

orthogonal circular and linear
polarization
by means of Rep. 555 IV 230

satellite systems
advantage of Rep. 453-1 IV 191

polar orbit

satellite
definition Rep. 204-3 IV 19

position fixing

Dioscures project
two geostationary satellites Rep. 515-1 VIII 321

direction finder for homing
Maritime Mobile Service,
2 MHz band, accuracy Rec. 428-2 VIII 60

error
equipment induced error,
radiodetermination, geosta-
tionary satellite Rep. 515-1 VIII 316

HF (decametric)
accuracy Rep. 93 VIII 27

radiodetermination satellite tech-
niques Rep. 216-2 VIII 209

systems
maritime satellite distress sys-
tem Rep. 602 VIII 412

VHF (metric)
accuracy Rep. 93 VIII 28

power

wanted available signal pow-
ers (Report published sepa-
rately) Rep. 413 8

carrier
see under "carrier power"

conversion efficiency
satellite transponder, Aero-
nautical/Maritime Mobile-Sat-
ellite Services Rep. 510-1 VIII 296

effective radiated
see under "effective radiated
power"

equivalent
see under "equivalent power"

output
automatic control of, HF
transmitters, fixed service Q. 25/3 III 215

automatic control of, HF
transmitters, Maritime Mobile
Service Q. 25/8 VIII 453

peak envelope
see under "peak envelope
power"

radiated
definitions, effective radiated
power, equivalent isotropically
radiated power Rec. 445 I 313

reflected
normalized mean vertical and
horizontal, multipath satellite
experiment Rep. 505-1 VIII 253

satellite
radiodetermination system, ge-
ostationary satellites Rep. 515-1 VIII 317

transmitter
carrier suppression and peak
envelope power, acceptable
intermodulation level, power
components of an SSB emis-
sion as function of carrier
suppression Rep. 531 I 336

power amplifier

shipboard
radiodetermination, geosta-
tionary satellite Rep. 515-1 VIII 318

power flux-density

Broadcasting-Satellite Service
high p.f.d., *definition* Rep. 471-1 XI 207

low p.f.d., *definition* Rep. 471-1 XI 207

medium p.f.d., *definition* Rep. 471-1 XI 207

limits of interfering power flux-
density
frequency sharing between,
Fixed-Satellite Service, Radio-
navigation Service and Radio-
navigation-Satellite Service Rec. 496 VIII 206

maximum allowable values
at the surface of the Earth,
produced by satellites in the
Fixed-Satellite Service, using
the same frequency bands
above 1 GHz Rec. 358-2 IX 363

precipitation

see under "radiometeorology"

predictions, ionospheric

see under "propagation, ionos-
pheric"

pre-emphasis characteristics

phototelegraphy on HF radio
circuits Rep. 352 III 192

colour television Rep. 624 XI 39

frequency-modulation systems
radio-relay systems for tele-
phony, using frequency-divi-
sion multiplex Rec. 275-2 IX 185

pre-emphasis characteristics,
frequency modulation systems (*cont'd*)

radio-relay systems for television	Rec. 405-1	IX	194	magnetic tape recording, international exchange purposes, standards	Rec. 469-1 Rep. 630	XI XI	153 172
primary body							
satellite, in relation to <i>definition</i>	Rep. 204-3	IV	18	magnetic tape recording, international exchange purposes, standards, helical-scan recording	S.P. 18B/11	XI	291
privacy device							
radiotelephony				recording of video programmes (see Section 11E, Volume XI)			
principles of, fixed service, HF	Rec. 336-2	III	79				
programmes				programmes, international exchange of			
sound				see under "international exchange of sound or television programmes"			
broadcasting, additional programmes, frequency-modulation sound broadcasting, band 8 (VHF)	Q. 26-1/10	X	243	propagation			
digital	Rep. 644	XII	205	factor affecting choice of frequency for telecommunications between aircraft/ship and satellite	Rep. 504-1	VIII	217
magnetic tape recordings, international exchange, standards for	Rec. 480-3	X	197	attenuation, free-space affecting choice of frequency band, aeronautical/maritime satellites	Rep. 504-1	VIII	218
quality of systems, method proposed for subjective assessment	Rep. 623	XII	197	attenuation, ionospheric affecting choice of frequency band, aeronautical/maritime satellites	Rep. 504-1	VIII	218
television pictures, quality of sound programmes and television pictures subjective assessment	Op. 53	XI	306	attenuation, tropospheric affecting choice of frequency band, aeronautical/maritime satellites	Rep. 504-1	VIII	218
transmission over long distances, measurements, monitoring and maintenance (see Section CMTT E, Volume XII)				broadcasting and mobile services, propagation aspects (see Section 5D, Volume V)			
transmission standards for (see Section CMTT D, Volume XII)				buildings, within			
transmission systems, characteristics, method for subjective assessment	S.P. 5H/CMTT	XII	229	for radio paging	Rep. 499-1	VIII	41
sound and television				coordination distances	Rec. 452-1	V	257
transmission over long distances digital transmission (see Section CMTT F, Volume XII)				curves, statistics and data			
sound or information				Aeronautical Mobile Service, 125 MHz to 15.5 GHz	Rep. 424-1	V	178
transmission of two or more, simultaneously, in frequency-modulation broadcasting	Rep. 463-1	X	133	Aeronautical, Maritime Mobile and Radiodetermination Services, above 30 MHz	S.P. 7F/5	V	303
television				broadcasting above 10 GHz	S.P. 7B/5	V	300
film recording, monochrome and colour, international exchange, standards	Rec. 265-3 Rep. 294-3	XI XI	143 164	Broadcasting and Mobile Services, computer methods	Rep. 425-1	V	185
film, monochrome and colour, international exchange, standards	Q. 21-1/11	XI	294	broadcasting and television above 10 GHz, satellite use	Rep. 565	V	200
international exchange, methods	Q. 2-2/11	XI	273	broadcasting and television above 10 GHz, terrestrial use	Rep. 562	V	198
				broadcasting and television, 30 MHz to 250 MHz	Rec. 370-2	V	117

propagation, curves, statistics and data (cont'd)

broadcasting and television, 450 MHz to 1 GHz	Rec. 370-2	V	118	fixed service, line-of-sight sys- tems, refraction effects, path clearance	Rep. 338-2	V	232
broadcasting and television: 30 MHz to 3 GHz, beyond- the-horizon	Rep. 239-3	V	164	fixed service, line-of-sight sys- tems, scintillation above 10 GHz	Rep. 338-2	V	240
broadcasting and television: 30 MHz to 3 GHz, depolari- zation phenomena	Rep. 239-3	V	169	fixed service, line-of-sight sys- tems, theoretical calculations	Rep. 338-2	V	231
broadcasting and television: 30 MHz to 3 GHz, effect of town environments	Rep. 239-3	V	168	fixed service, trans-horizon systems	S.P. 5B-1/5	V	294
broadcasting and television: 30 MHz to 3 GHz, height of receiving antenna	Rep. 239-3	V	167	fixed service, trans-horizon systems, diversity reception	Rep. 238-2	V	213
broadcasting and television: 30 MHz to 3 GHz, mixed land-sea paths	Rep. 239-3	V	170	fixed service, trans-horizon systems, fading frequency	Rep. 238-2	V	214
broadcasting and television: 30 MHz to 3 GHz, terrain irregularities and parameter Δh	Rep. 239-3	V	166	fixed service, trans-horizon systems, siting of stations	Rep. 238-2	V	215
broadcasting and television: 30 MHz to 3 GHz, within the horizon	Rep. 239-3	V	165	fixed service, trans-horizon systems, transmissible band- width	Rep. 238-2	V	215
broadcasting 30 MHz to 1 GHz	S.P. 7D/5	V	301	fixed service, trans-horizon systems, transmission loss, ef- fect of frequency	Rep. 238-2	V	213
Broadcasting, Mobile and Radiodetermination Services	Q. 7/5	V	299	fixed service, trans-horizon systems, transmission loss, ef- fects of climate on	Rep. 238-2	V	210
collection of data: terrestrial systems	Rep. 241-2	V	230	fixed service, trans-horizon systems, transmission loss, hourly median, various cli- mates	Rep. 238-2	V	211
data collection: space systems	Rep. 426-1	V	247	fixed service, trans-horizon systems, transmission loss, with respect to radiometeo- rological parameters	Rep. 238-2	V	212
fixed service, line-of-sight sys- tems	S.P. 5A-2/5	V	293	fixed service, trans-horizon systems, transmission loss, 99% of worst month	Rep. 238-2	V	212
fixed service, line-of-sight sys- tems, attenuation above 10 GHz	Rep. 338-2	V	239	fixed service, trans-horizon systems, tropospheric scatter, annual median transmission loss	Rep. 238-2	V	210
fixed service, line-of-sight sys- tems, diversity reception	Rep. 338-2	V	236	interference above 0.6 GHz	Rep. 569	V	258
fixed service, line-of-sight sys- tems, effect of multipath on modulation	Rep. 338-2	V	237	interference above 0.6 GHz, mechanisms and path charac- teristics	Rep. 569	V	258
fixed service, line-of-sight sys- tems, fading characteristics	Rep. 338-2	V	234	interference above 0.6 GHz, mechanisms and path charac- teristics, precipitation scatter	Rep. 569	V	266
fixed service, line-of-sight sys- tems, reduction of polarization decoupling	Rep. 338-2	V	238	interference above 0.6 GHz, mechanisms and path charac- teristics, transmission loss due to surface mechanisms, knife- edge diffraction	Rep. 569	V	262
fixed service, line-of-sight sys- tems, refraction effects, multi- path	Rep. 338-2	V	233				
fixed service, line-of-sight sys- tems, refraction effects, on angle of arrival	Rep. 338-2	V	233				

propagation, curves, statistics and data (cont'd)

interference above 0.6 GHz, mechanisms and path characteristics, transmission loss due to surface mechanisms, spherical diffraction	Rep. 569	V	262	terrestrial and space systems	Q. 5-2/5	V	293
				delays			
				VLF signals, typical fluctuations	Rep. 271-4	VII	42
interference above 0.6 GHz, mechanisms and path characteristics, transmission loss due to surface mechanisms, super-refraction and ducting	Rep. 569	V	263	ducting			
				above the ionization maximum of the F region, between stations below the ionosphere	Q. 5-2/6	VI	250
interference above 0.6 GHz, mechanisms and path characteristics, transmission loss due to surface mechanisms, trans-horizon	Rep. 569	V	262	above the maximum of F region, HF	Rep. 341-2	VI	92
interference above 0.6 GHz, mechanisms and path characteristics, tropospheric forward scatter	Rep. 569	V	265	Earth-space			
				ionospheric effects, scintillation, absorption, variations in direction of arrival, propagation delay, frequency change, polarization	Rep. 263-3	VI	223
interference above 0.6 GHz, transmission loss due to surface mechanisms, line-of-sight	Rep. 569	V	261	effects			
				calculation and measurement, digital radio-relay systems	S.P. 12A-1/9	IX	274
Land Mobile Service above 30 MHz	S.P. 7E/5	V	302	factors in interference (see Section 5G, Volume V)			
Land Mobile Service, adaptation of Rec. 370-2 data	Rep. 567	V	201	free-space	Int. Guide	V	21
mobile services, using satellites	S.P. 7C/5	V	301	ground-wave (see Section 5B, Volume V)			
precipitation scattering as interference factor	Q. 5-2/5	V	298	prediction of phase and amplitude of ground waves: IWP 5/1	Dec. 3	V	304
sharing: terrestrial and earth stations	Q. 5-2/5	V	297	high-precision time signals instabilities	Rep. 270-2	VII	39
space systems	Q. 5-2/5	V	296	interference problems (see Section 6F, Volume VI)			
space systems, absorption due to atmospheric gases, (see also "radiometeorology")	Rep. 564	V	250	ionospheric (see also under "ionosphere")			
space systems, attenuation due to precipitation, (see also "radiometeorology")	Rep. 564	V	251	Atlas of ionospheric characteristics (Report published separately)	Rep. 340-1		
space systems, attenuation due to precipitation, site diversity	Rep. 564	V	253	basic indices, choice and prediction, long-term	Q. 8/6	VI	255
space systems, bandwidth limitations	Rep. 564	V	254	basic indices, choice of	Rec. 371-2 Rep. 246-3	VI VI	18 20
space systems, effects of regular refraction	Rep. 564	V	249	basic long-term predictions: IWP 6/2	Dec. 7	VI	267
space systems, interference considerations	Rep. 564	V	253	basic prediction information	S.P. 9A-1/6	VI	256
space systems, noise temperature	Rep. 564	V	253	characteristics pertinent to radiocommunication system design	Q. 16-1/6 S.P. 16A-2/6	VI VI	260 261
space systems, scintillation and fading	Rep. 564	V	250	characteristics pertinent to radiocommunication system design, fading	Rep. 266-3	VI	207
space systems, wave-front incoherence	Rep. 564	V	250	effect on Earth-space propagation, scintillation	Rep. 263-2	VI	223

propagation, ionospheric (*cont'd*)

forecasts, exchange of basic data	Rep. 248-3	VI	26	meteor-burst intermittent communication by	Rep. 251-1	VI	75
forecasts, short-term, and transmission of disturbance warnings, exchange of information for preparation of	Rec. 313-2	VI	17	multipath affecting choice of frequency band, aeronautical/maritime satellites	Rep. 504-1	VIII	225
forecasts, short-term, identification of precursors, and evaluation of reliability	Rep. 247-3	VI	22	distortion in frequency-modulation receivers, due to multipath propagation	Q. 40/10	X	254
frequencies below approximately 150 kHz: IWP 6/5	Dec. 9	VI	268	effects, aircraft-to-satellite link	Rep. 505-1	VIII	229
identification of indicators and precursors, short-term variations and disturbances of ionosphere and radio circuits	S.P. 10A-1/6	VI	257	effects, tone ranging system, satellite experiment	Rep. 505-1	VIII	238
indices, basic, dissemination of	Res. 4-2	VI	270	experiments, ATS-5 satellite tests	Rep. 599	VIII	393
indices, basic, observations needed	Op. 23-2	VI	272	HF radio circuits, measurement of path-time delay differences and their incidence on typical radio links	Rep. 203	III	49
indices, short-term, development of	Res. 48-1	VI	271	method for elimination of fading, Maritime Mobile-Satellite Service	Rep. 603	VIII	417
long-distance, without intermediate ground reflection	Rep. 250-3	VI	35	mobile satellite communications, antenna rejection	Rep. 594	VIII	362
mapping (see Section 6E, Volume VI)				path-time delay difference	Rep. 203	III	49
maximum transmission frequencies	Rep. 256-2	VI	40	reduction of ranging errors caused by, geostationary satellite	Rep. 515-1	VIII	315
maximum transmission frequencies, <i>definitions</i>	Rep. 373-3	VI	31	VHF aeronautical satellite tests	Rep. 600	VIII	400
prediction, basic information (see also under "forecasts")	Rep. 255-3	VI	36	non-ionized media (see Section 5A, Volume V)			
predictions, short-term, operational parameters	Q. 10/6 Dec. 10	VI	256 269	non-ionized regions of the atmosphere			
scintillation	Rep. 263-3	VI	223	influence on wave propagation: IWP 5/3	Dec. 5	V	306
short-term predictions of operational characteristics: IWP 6/7	Dec. 10	VI	269	radiometeorology	Dec. 5	V	306
space system topics (see Section 6S, Volume VI)				sky-wave (see also "propagation, ionospheric")			
ionospheric and solar indices (see Section 6A, Volume VI)				analysis of measurements, frequency range 150 kHz to 1600 kHz	Rep. 431-1	VI	145
ionospheric-scatter	Rep. 260-2	VI	83	frequencies between 150 and 1600 kHz	S.P. 17A-2/6	VI	262
directivity of antennae, fixed service, HF	S.P. 3B/3	III	206	frequencies below 150 kHz, with particular emphasis on ionospheric effects	Rep. 265-3 S.P. 17B-1/6 Dec. 9	VI VI VI	123 263 268
radio systems employing	Q. 4/3	III	206				
radio systems using	Rep. 109-2	III	41				
loss							
calculation	Rec. 341	I	84	frequencies below 1600 kHz, with particular emphasis on ionospheric effects	Q. 17-1/6	VI	262

propagation, sky wave (cont'd)

frequencies between 150 and 1600 kHz: IWP 6/4	Dec. 8	VI	267	ground constants, factors determining	Rep. 229-2	V	39
sky-wave field strength (and transmission loss), at frequencies between 2 and 30 MHz, C.C.I.R. interim estimation method	S.P. 11A-2/6 Rep. 252-2 Op. 45	VI	258 49 273	ground constants, measurement methods	Rep. 229-2	V	41
(and transmission loss), at frequencies between 2 and 30 MHz, C.C.I.R. interim estimation method, proposed plan for revision of C.C.I.R. interim method	Rep. 572	VI	58	ground-wave curves, 10 KHz to 10 MHz	Rec. 368-2	V	27
(and transmission loss), comparisons between observed and predicted field strength, frequencies between 2 and 30 MHz	Rep. 571	VI	56	mixed paths	Rec. 368-2	V	28
(and transmission loss), frequencies above 1.5 MHz	Q. 11-1/6 Dec. 6	VI	257 266	phase and amplitude of ground waves	Dec. 3	V	304
(and transmission loss), systematic measurement methods (Report published separately)	Rep. 253-2			reception on the Moon, the radio-quiet zone	Rep. 336-1	V	52
bands 5 (LF) and 6 (MF), accuracy of predictions	Rep. 432	VI	171	terrain irregularities	S.P. 1A-1/5	V	290
between 150 and 1600 kHz, prediction of	Rep. 435-2	VI	107	terrain irregularities, diffraction, isolated obstacles	Rep. 236-3	V	48
between 150 kHz and 1600 kHz, methods for predicting	Rep. 575	VI	186	terrestrial fixed service, propagation aspects (see Section 5E, Volume V)			
propagation curves, between 300 km and 3500 km, at frequencies between 150 kHz and 1600 kHz, in the European broadcasting area	Rep. 264-3	VI	108	tropospheric broadcasting and television 30 MHz to 18 GHz, data presentation	Rec. 311-2	V	113
sky-wave transmission loss at frequencies between the approximate limits of 1.5 and 40 MHz: IWP 6/1	Dec. 6	VI	266	data for broadcasting, space and point-to point communications: IWP 5/2	Dec. 4	V	305
space and terrestrial interference	Rec. 452-1	V	257	effects	Int. Guide Dec. 4	V V	19 305
sporadic E (and other anomalous ionization)	Q. 4-1/6 S.P. 4B-2/6	VI	248 249	VHF by regular layers, sporadic E or other anomalous ionization	Rep. 259-3	VI	76
VHF	Dec. 11	VI	270	VLF ionosphere, in and through	Rep. 262-3	VI	219
VHF: IWP 6/8	Dec. 11	VI	270	propagation loss			
terrain effects	Int. Guide Q. 1-2/5	V	18 289	influence of antenna environment	Rep. 112	I	85
computation of ground-wave curves	Rep. 428-1	V	54	protection ratio			
diffraction, spherical earth	Rep. 568	V	55	articulation index, as a function of, VHF Aeronautical Satellite Service	Rep. 512	VIII	308
				presence of interfering signals at 50 kHz, 25 kHz and co-channel, interleaved VHF aeronautical satellite system	Rep. 512	VIII	304
				audio-frequency in amplitude-modulation sound broadcasting, <i>definition</i>	Rec. 447	X	21
				broadcasting amplitude-modulation, sound, <i>definition</i>	Rec. 447	X	21
				amplitude-modulation, sound, objective two-signal methods for determining	Rep. 393-2	X	36

protection ratio, broadcasting (cont'd)

bands 5 (LF), 6 (MF) and 7 (HF), presentation of measurement results	Rec. 447	X	21
Broadcasting-Satellite Service (television) interference protection ratios, subjectively measured, for planning television broadcasting systems	Rep. 634	XI	242
frequency sharing Broadcasting-Satellite Service and terrestrial broadcasting systems (television)	Dec. 17	XI	304
mixed-service operation communication services using channels of broadcasting service	Q. 6/9	IX	265
radio-frequency broadcasting, amplitude-modulation, sound, curves	Rec. 449-2	X	22
broadcasting, bands 5 (LF) and 6 (MF), values, co-channel transmission, minimum usable field strength	Rec. 448-1	X	21
synchronized broadcasting transmitters	Rep. 459-1	X	78
signal-to-interference ratio Aeronautical Mobile Service, above 30 MHz	Rec. 441	VIII	199
audio-frequency, in amplitude-modulation sound broadcasting, <i>definition</i>	Rec. 447	X	21
fixed service, HF	Rec. 240-2	III	25
mobile services	Rep. 358-2 Q. 1/8	VIII VIII	30 427
television non-precision offsets between signals that are multiples of one-twelfth line frequency	Rep. 480	XI	113
shared bands, protection against radionavigation transmitters operating in band 582 to 606 MHz	Rep. 307	XI	110
when both wanted and unwanted signals are substantially non-fading	Rep. 479	XI	112
pseudo-random noise codes distance measurement, high-precision Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII	290
pseudo-random noise, probing experiments ATS-5 satellite tests	Rep. 599	VIII	394
public correspondence maritime satellite system possible system parameters	Rep. 601	VIII	404

Publications other than Plenary Assembly Volumes

Report 252-2 Interim method for estimating sky-wave field strength and transmission loss: frequencies between approximate limits 2 and 30 MHz		
Report 322 World distribution and characteristics of atmospheric radio noise		
Report 340-1 (Report 340 + supplement No. 1) Atlas of ionospheric characteristics		
Reports 413, 414 and 415 Improved efficiency in the use of the radio-frequency spectrum		
Report 440-2 General graphical symbols for radiocommunications		
Special publications Second atlas of ground-wave propagation curves for frequencies between 30 and 10 000 Mc/s		
Handbook for monitoring stations		
Manual on broadcasting in band 7 (HF) in the Tropical Zone		
Manual on high-frequency directional antennae		
Tape recording No. 2 of different classes of emission		
Tape recording of different classes of emission		
pulse-code (PCM) and delta modulation Aeronautical/Maritime Mobile-Satellite Services comparison	Rep. 509-1	VIII 282
pulse compression frequency-modulation distance measurement, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII 288
pulse train multiple distance measurement, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII 288
pulse transmissions radio direction finding frequencies below 20 000 kHz	Rec. 422	VIII 23

Q

quality

television pictures

subjective assessment

Rep. 313-3
Rep. 405-2

XI 69
XI 75

subjective assessment, method Rec. 500

XI 65

quality of performance

HF radiotelegraph system

factors affecting

Rep. 197-3

III 152

phase-shift keying

Rep. 346

III 168

prediction of performance in
terms of bandwidth and sig-
nal-to-noise ratio

Rep. 195

III 144

telegraph distortion, efficiency
factor, satisfactory operation
factor

Rep. 351-2

III 189

voice-frequency telegraphy

Rep. 345-1

III 158

quantity of information

bit

definition

Rec. 166-1

XII 258

R

radar

aboard ship

collision prevention, identifica-
tion device

Rep. 318

VIII 100

electromagnetic noise due to,
aeronautical/maritime satel-
lites

Rep. 591

VIII 346

mutual interference with radio-
communication apparatus

Rec. 45-1

VIII 47

beacons (racons)

fixed-frequency, technical pa-
rameters

Q. 27/8

VIII 455

harbour

identification

Rep. 318

VIII 100

inter-ship

identification

Rep. 318

VIII 101

radar astronomy

(see Section 2C, Volume II)

frequency sharing

interference to radar astrono-
my

Rep. 226-3

II 293

radar astronomy systems

Rep. 226-3

II 291

parameters

performance characteristics,
interfering signals, selection of
frequencies

Q. 6-1/2

II 312

radiating cable systems

on-board ship communication

Rep. 589

VIII 177

radiation

(emission, and transmission)
radiation (in radiocommunica-
tion), *definitions*

Rec. 325

I 269

(in radiocommunication)
definition

Rec. 325

I 269

bands 5 (LF) and 6 (MF)
the cymomotive force (c.m.f.),
the effective monopole radiat-
ed power (e.m.r.p.), defini-
tions, relationship between
c.m.f. and e.m.r.p.

Rep. 618

X 105

out-of-band

definition

Rec. 328-3

I 296

reduction of

Rep. 178-2

I 102

radio-frequency

safety aspects, earth stations
and terrestrial stations

Q. 52/1

I 508

spurious

see under "spurious radiation"

unwanted

limitation of, electrical appara-
tus and installations

S.P. 4A/1

I 471

limitation of, from electrical
apparatus and installations

Q. 4/1

I 470

radiation diagram

see under "antenna"

radiation hazards at earth stations

see under "space research,
earth stations"

radioastronomy

(see Section 2C, Volume II)

criteria interference

S.P. 5A/2

II 311

frequency sharing

absolute levels of UHF trans-
mitters

Rep. 224-3

II 286

band-edge interference

Rep. 224-3

II 284

emission, types of

Rep. 224-3

II 271

factors affecting sharing

Rep. 224-3

II 276

harmonic and intermodulation
interference

Rep. 224-3

II 286

interference from satellite
transmissions, harmonic radi-

radar astronomy

(see Section 2C, Volume II)

frequency sharing

interference to radar astrono-
my

Rep. 226-3

II 293

radar astronomy systems

Rep. 226-3

II 291

parameters

performance characteristics,
interfering signals, selection of
frequencies

Q. 6-1/2

II 312

radiating cable systems							
on-board ship communication	Rep. 589	VIII	177	interference to class B observations	Rep. 224-3	II	280
radiation				interference, levels of, harmful	Rep. 224-3	II	276
(emission, and transmission)				interference, sources of	Rep. 224-3	II	275
radiation (in radiocommunication), <i>definitions</i>	Rec. 325	I	269	observations, classes of	Rep. 224-3	II	275
(in radiocommunication) <i>definition</i>	Rec. 325	I	269	line frequencies			
bands 5 (LF) and 6 (MF)				carbon monoxide (CO) lines	Rep. 223-3	II	270
the cymomotive force (c.m.f.), the effective monopole radiated power (e.m.r.p.), definitions, relationship between c.m.f. and e.m.r.p.	Rep. 618	X	105	formaldehyde (H ₂ CO) lines	Rep. 223-3	II	268
out-of-band <i>definition</i>	Rec. 328-3	I	296	general review	Rep. 223-3	II	252
reduction of	Rep. 178-2	I	102	list of discovered lines	Rep. 223-3	II	254
radio-frequency safety aspects, earth stations and terrestrial stations	Q. 52/1	I	508	list of most important lines	Rep. 224-3	II	291
spurious see under "spurious radiation"				neutral hydrogen at 1420.406 MHz	Rep. 223-3	II	259
unwanted limitation of, electrical apparatus and installations	S.P. 4A/1	I	471	OH lines	Rep. 223-3	II	260
limitation of, from electrical apparatus and installations	Q. 4/1	I	470	water vapour at 22.235 GHz	Rep. 223-3	II	265
radiation diagram see under "antenna"				protection from interference frequencies and bandwidths	Rec. 314-3	II	249
radiation hazards at earth stations see under "space research, earth stations"				on shielded side of the Moon, basis of research	Rep. 539	II	296
radioastronomy (see Section 2C, Volume II)				on shielded side of the Moon, examples of frequency bands	Rep. 539	II	297
criteria interference	S.P. 5A/2	II	311	on shielded side of the Moon, proposed guidelines	Rep. 539	II	297
frequency sharing absolute levels of UHF transmitters	Rep. 224-3	II	286	on the shielded side of the Moon, data requested on frequency bands	Rec. 479	II	251
band-edge interference	Rep. 224-3	II	284	sensitivity of receivers to signals in adjacent bands	Rep. 547	II	298
emission, types of	Rep. 224-3	II	271	sensitivity of receivers, design requirements	Rep. 547	II	299
factors affecting sharing	Rep. 224-3	II	276	sensitivity of receivers, practical performance	Rep. 547	II	300
harmonic and intermodulation interference	Rep. 224-3	II	286	technical factors involved	Q. 5-1/2	II	310
interference from satellite transmissions, harmonic radiation	Rep. 224-3	II	290	radiocommunication and/or radiodetermination see under "radiodetermination and/or radiocommunication"			
interference from satellite transmissions, shared bands and adjacent bands	Rep. 224-3	II	289	radiodetermination			
interference from terrestrial television signals	Rep. 224-3	II	283	maritime mobile-satellite system	Rep. 595	VIII	376
				modulation techniques, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII	287
				VHF satellite tests	Rep. 600	VIII	401
				aeronautical operational functions, Aeronautical Mobile-Satellite Service	Rep. 595	VIII	374

radiodetermination (cont'd)

distance-measuring techniques by means of geostationary satellites	Rep. 515-1	VIII 312
satellites		
frequency requirements	Rec. 361-2	VIII 205
sharing with other services, general	Rep. 394-1	VIII 215
satellite systems		
multipath effects	Rep. 505-1	VIII 234
orbits	Rep. 506	VIII 264
requirements	Rep. 216-2	VIII 208
terrestrial satellites, use of	Rep. 216-2	VIII 208

radiodetermination and/or radiocommunication

using satellite techniques for aircraft and/or ships	Q. 16-1/8 Q. 16-1/8	VIII 443 VIII 443
using satellite techniques for aircraft and/or ships, general	Q. 17-1/8	VIII 444
using satellite techniques for aircraft and/or ships, technical characteristics	S.P. 17A/8	VIII 445
frequencies to be used maritime satellite systems	Rep. 592	VIII 349
Mobile-Satellite Service systems using space techni- ques jointly, technical feasibili- ty	Rep. 507-1	VIII 273
radiocommunication systems using the VHF aeronautical and maritime mobile bands jointly for, using space techni- ques, technical feasibility of	Rep. 513-1	VIII 309

radio link

see under "link, radio"

radiometeorological data

rainfall characteristics		
cumulative statistics	Rep. 563	V 99
refractivity models		
propagation calculations	Rep. 563	V 98
world charts of refractivity		
charts of N	Rep. 563	V 97
charts of Ns	Rep. 563	V 97
N-gradient near surface	Rep. 563	V 97
radiometeorology	Q. 2-2/5 Dec. 5	V 291 V 306
<i>definition of terms</i>	Rec. 310-3	V 63
absorption		
hydrometeor	Rep. 205-3	IV 22
absorption in atmosphere	Rep. 233-3	V 70

attenuation in atmosphere	Rep. 233-3	V 70
due to gases	Rep. 234-3	V 82
due to precipitation	Rep. 234-3	V 82
measurement methods	Rep. 234-3	V 83
basic reference atmosphere <i>definition</i>	Rec. 369-1	V 65
data		
see under "radiometeorologi- cal data"		
precipitation effects		
absorption	Rep. 233-3 Rep. 234-3	V 71 V 86
effects on sky-noise tempera- ture	Rep. 234-3	V 86
most unfavorable month	Rep. 233-3	V 72
rotation of polarization	Rep. 233-3	V 72
scatter	Rep. 234-3	V 84
radio climatic zones description	Rep. 233-3	V 74
radio refractive index formula	Rec. 453	V 65
refraction below 10 MHz effect on ground-wave curves	Q. 3-1/5	V 292
refractivity formula	Rec. 453	V 65
sky-noise temperature due to gases	Rep. 234-3	V 86
due to precipitation	Rep. 234-3	V 86
static discharge atmospheric noise, aeronauti- cal/maritime satellites	Rep. 591	VIII 342

radionavigation

transmitter		
power flux-density, peak, pro- duced at any point in geosta- tionary satellite orbit	Rec. 496	VIII 207

Radionavigation-Satellite Service

transmission		
coordination with geostation- ary satellites in Fixed-Satellite Service, interference power produced	Rec. 496	VIII 206

radio paging

<i>definition</i>	Rep. 499-1	VIII 40
frequency-bands allocated	Rep. 499-1	VIII 41
receiver design	Rep. 499-1	VIII 41
systems	Rep. 499-1 Q. 12-1/8	VIII 39 VIII 440
characteristics	Rep. 499-1	VIII 42

radio-relay systems

antenna beams				propagation characteristics, preferred characteristics, performance objectives, RF channel arrangements, interference among other types of systems	Q. 12-2/9	IX	273
intersection, with orbits used by space stations in the fixed-satellite service	Rep. 393-2	IX	386				
antennae				radio-frequency channel arrangements for digital systems, in 17.7 to 19.7 GHz frequency band	S.P. 12D/9	IX	275
reference radiation patterns	Rep. 614	IX	234				
auxiliary				radio-frequency channel arrangements for high-capacity digital systems, in 10.7 to 11.7 GHz frequency band	S.P. 12E/9	IX	276
operating in a frequency band other than that of the main system, at frequencies below about 2 GHz, interconnection	Rep. 284-1	IX	54				
operating in same frequency band as main radio-relay system, interconnection	Rep. 374	IX	125	radio-frequency channel arrangements, general principles	Rep. 608	IX	129
television and telephony, preferred characteristics for provision of service channels	S.P. 4A-1/9	IX	262	digital systems operating below/above 12 GHz			
coordination procedures (see Section 4/9A, Volume IX)				propagation effects, calculation and measurement, rain cell size, cross-polarization discrimination, availability	Rep. 611	IX	89
digital				diversity techniques	Q. 13-1/9	IX	277
bit error performance measurements	Rep. 613	IX	182	methods of obtaining diversity signals, methods of combination, transmission bandwidth, performance calculations	Rep. 376-2	IX	212
calculation and measurement of effects of propagation and interference	S.P. 12A-1/9	IX	274	frequency sharing (see Section 4/9B, Volume IX)			
channel spacings and channel arrangements	S.P. 12F/9	IX	276	with Fixed-Satellite Service space station receivers using the same frequency band (see also under "frequency sharing")	Rec. 406-3	IX	365
characteristics and performance requirements	Rep. 378-2	IX	223	with fixed-satellite service using same frequency band above 1 GHz (see also under "frequency sharing")	Rec. 358-2	IX	363
characteristics preferred	S.P. 12B/9	IX	274	with Fixed-Satellite Service, criteria	Q. 17/9	IX	279
compatibility between digital and FDM/FM radio-relay systems	Rep. 610	IX	136	with fixed-satellite service, using same frequency bands, see also under frequency sharing	Rec. 356-3	IX	360
frequencies, above about 12 GHz, channel arrangements for the band 17.7 to 19.7 GHz	Rep. 609	IX	133	frequency tolerances	Q. 19/9	IX	281
hypothetical reference circuit and performance objectives	S.P. 12C/9	IX	275	interconnection			
interconnection at baseband frequencies	S.P. 21A/9 Q. 21/9	IX	283 283	line regulating, and other pilots, limits for residues of signals outside baseband	Rec. 381-2	IX	28
interference allocation	Rep. 605	IX	76	interference criteria	Q. 18/9	IX	280
interference considerations	Rep. 606	IX	80	protection from interference due to space stations in Fixed-Satellite Service using the same frequency bands between 1 and 23 GHz	Rep. 387-2	IX	376
performance objectives, reliability and availability, establishment of Interim Working Party	Dec. 16	IX	285	service channels			
performance objectives, reliability and availability: IWP 9/1	Dec. 16	IX	285	types of service channel to be provided	Rec. 400-2	IX	147

radio relay systems (cont'd)

simple				frequency-division multiplex, noise in circuits forming part of very long telephone connections	Rep. 288-2	IX	67
operating in bands 8 and 9 for telephone trunk connections in developing countries, technical characteristics	Rep. 379-2	IX	239				
operating in bands 8 and 9 for telephone trunk connections in developing countries	Q. 9-1/9	IX	269	frequency-division multiplex, noise in radio portion of circuit to be established over real link	Rec. 395-1	IX	42
operating in bands 8 and 9 for telephone trunk connections in developing countries, permissible noise	S.P. 9B/9	IX	271	frequency-division multiplex, pre-emphasis characteristic for frequency-modulation systems	Rec. 275-2	IX	185
operating in bands 8 and 9 for telephone trunk connections in developing countries, technical characteristics	S.P. 9A/9	IX	270	frequency-division multiplex, radio-frequency channel arrangements, 120- and 300-channel telephony systems 7 GHz band	Rec. 385	IX	104
specified in C.C.I.R. recommendations				frequency-division multiplex, radio-frequency channel arrangements, 60-, 120- and 300-channel systems, 2 GHz band	Rec. 283-2	IX	93
characteristics		IX	16				
spurious emissions				frequency-division multiplex, technical characteristics to be specified to enable interconnection between any two systems	Rep. 283	IX	51
limitation	Q. 19/9	IX	281	interconnection at audio-frequencies	Rec. 268-1	IX	22
limitation of, definition of limits	S.P. 19A/9	IX	281	interruptions to traffic on line-of-sight systems	S.P. 5B-1/9	IX	264
systems for special applications (see Section 9E, Volume IX)				Joint Special Study Group C (C.C.I.T.T./C.C.I.R.) on circuit noise and reliability	Op. 13-1	IX	286
telephony				line-of-sight; noise tolerable during very short periods of time	Rep. 130	IX	64
frequency-division multiplex	Q. 1/9	IX	255	noise in circuits forming part of very long telephone connections	S.P. 2B-1/9	IX	257
frequency-division multiplex; capacity of more than 60 telephone channels, hypothetical reference circuit	Rec. 392	IX	38	relationship between short-term and long-term noise performance, in United States of America	Rec. 130	IX	65
frequency-division multiplex; capacity of 12 to 60 telephone channels, hypothetical reference circuit	Rec. 391	IX	37	television			
frequency-division multiplex, frequency deviation	Rec. 404-2	IX	193	(system I excepted), permissible noise in hypothetical reference circuit	Rec. 289-1	IX	30
frequency-division multiplex, hypothetical reference circuit, allowable noise power	Rec. 393-2	IX	40	(system I only), hypothetical reference circuit, permissible noise	Rec. 462	IX	48
frequency-division multiplex, interconnection at baseband frequencies	Rec. 380-3	IX	24	characteristics preferred for transmission of signals for sound and television broadcasting	Q. 3-1/9	IX	259
frequency-division multiplex, maintenance procedure	Rec. 290-2	IX	139	frequency deviation and sense of modulation	Rec. 276-2	IX	189
frequency-division multiplex, measurement of performance using a uniform spectrum signal	Rec. 399-2	IX	143				
frequency-division multiplex, measurement of some aspects of equipment noise performance	Rep. 612	IX	179				
frequency-division multiplex, measurements of noise in actual traffic	Rec. 398-3	IX	141				

radio-relay systems, television (*cont'd*)

interconnection at video signal frequencies	Rec. 270-1	IX	23	procedure for international connection of systems with different characteristics	Rec. 306	IX	24
limits for the residues of signals outside the baseband	Rec. 463	IX	199	radio-frequency channel arrangement, systems of capacity greater than 1800 telephone channels (or equivalent)	Rep. 287-2	IX	123
pre-emphasis characteristics for frequency-modulation systems	Rec. 405-1	IX	194	radio-frequency channel arrangements, analogue systems for 600 to 1800 channels (or equivalent) or low and medium-capacity digital systems, 11 GHz band	Rec. 387-2	IX	109
simultaneous transmission of a monochrome television signal and a single sound channel; preferred characteristics of the sound channel	Rec. 402-1	IX	190	radio-frequency channel arrangements, FDM systems for 960 telephone channels (or equivalent) and for medium capacity digital systems, 13 GHz band	Rec. 497	IX	117
television and telephony auxiliary, 2, 4, 6 or 11 GHz bands, preferred characteristics	Rec. 389-2	IX	114	radio-frequency channel arrangements, systems for either 2700 telephone channels, or up to 1260 telephone channels (or equivalent) 6 GHz band	Rec. 384-2	IX	101
characteristics preferred for auxiliary radio-relay systems for provision of service channels	S.P. 4A-1/9	IX	262	radio-frequency channel arrangements, systems for 1800 telephone channels (or equivalent) 6 GHz band	Rec. 383-1	IX	99
characteristics preferred for the transmission of more than one sound programme channel	S.P. 3A-1/9	IX	260	radio-frequency channel arrangements, systems for 600 to 1800 telephone channels (or the equivalent) 2 and 4 GHz bands	Rec. 382-2	IX	95
frequencies above about 12 GHz	Q. 16/9	IX	278	radio-frequency channel arrangements, systems for 960 telephone channels (or equivalent) 8 GHz band	Rec. 386-1	IX	106
frequencies above about 12 GHz, radio-frequency channel arrangements for band 11.7 to 15.35 GHz	Rep. 607	IX	127	service channels	Rep. 444 Q. 4/9	IX IX	163 261
frequencies and deviations of continuity pilots	Rec. 401-2	IX	148	simultaneous transmission of television and maximum of four sound channels, preferred characteristics	Rep. 289-2	IX	201
frequency bands and centre frequencies preferred for radio-relay links for international connections	Op. 14-2	IX	287	stand-by arrangements	Rec. 305	IX	140
hypothetical reference circuits and circuit noise	Q. 2-1/9	IX	256	system availability	Q. 5-2/9	IX	262
intermediate-frequency characteristics	Rec. 403-2	IX	191	system reliability and availability	Rep. 445-1	IX	165
line-up and maintenance measurements	Q. 22/9	IX	285	system reliability, terminology	S.P. 5C-1/9	IX	265
multi-line switching arrangements, preferred characteristics	Rec. 444-1 Rep. 137-3 S.P. 5A-2/9	IX IX IX	150 152 263	systems of a capacity greater than 1800 telephone channels (or the equivalent)	S.P. 1A/9	IX	255
noise objectives for sound-programme circuits 2500 km long	Rep. 375-1	IX	69	transmission interruptions	Rep. 443	IX	157
noise tolerable during very short periods of time	S.P. 2A-1/9	IX	256				
noise, during periods without fading	S.P. 2C/9	IX	258				

radio relay systems (cont'd)

trans-horizon

characteristics preferred, permissible noise and signal distortion for the transmission of monochrome television signals	Q. 14/9	IX	278
interference limitation	Rec. 302	IX	34
intermediate frequency for receivers, choice of	Rep. 130	IX	63
measurement of performance of systems for telephony which use frequency-division multiplex	S.P. 7D/9	IX	268
optimum frequency deviation in frequency-modulation systems using frequency-division multiplex	Rep. 446 S.P. 7C/9	IX IX	228 267
preferred characteristics, permissible noise and signal distortion for transmission of monochrome television signals	Rep. 377-1	IX	221
radio-frequency channel arrangements	Rec. 388	IX	113
radio-frequency channel arrangements, systems using frequency modulation	Rep. 286	IX	121
reduction in path antenna-gain	S.P. 7B/9	IX	267
telephony, using frequency-division multiplex, hypothetical reference circuit	Rec. 396-1	IX	46
telephony, using frequency-division multiplex, hypothetical reference circuit, allowable noise power	Rec. 397-2	IX	47
transmission, interconnection and interference	Rep. 285-3	IX	56
tropospheric-scatter propagation, influence of, radio-frequency channel arrangements, technical criteria affecting choice of radio-frequency bands	Q. 7-2/9	IX	266
transmission planning developing countries	Q. 11/9	IX	272

radio source

extra-terrestrial apparent temperature (K), aeronautical/maritime satellites	Rep. 591	VIII	341
--	----------	------	-----

radio stations

list of radio stations using special means of identification	Op. 11-1	I	516
identification	Rec. 379-1 Rep. 280-2 Q. 34-1/1 Res. 44 Op. 30	I I I I I	354 401 491 514 517

radiotelegraphy

(see Section 3C, Volume III)

auto-alarm receiving equipment on board ships, testing of	Rec. 224	VIII	52
direct-printing Maritime Mobile Service	Rec. 476-1	VIII	80
Maritime Mobile Service, equivalence of terms	Rec. 490	VIII	93
see under "direct-printing telegraphy"			
distress frequency interference level	Rec. 429-2	VIII	60
equipment direct-printing, general, Maritime Mobile Service	Rep. 361-1	VIII	104
direct-printing, identification of station, Maritime Mobile Service	Rec. 491	VIII	94
direct-printing, operational procedures, Maritime Mobile Service	Rec. 492	VIII	96
multi-channel systems arrangement of channels, fixed service, HF	Q. 2/3	III	204
classification for long-range circuits operating at frequencies below about 30 MHz, channel designation	Rec. 347	III	136
performance prediction of, in terms of bandwidth and signal-to-noise ratio	Rep. 195	III	144
systems two-channel time-diversity, radio-relay links	Rep. 381	IX	249
voice-frequency channel arrangement, HF radio circuits, 100-bauds	Rec. 436-1	III	138
comparison of different systems, fixed service, HF	Rep. 345-1	III	158
data transmission, 1200/600 bit/s, fixed service, HF	Rec. 456	III	139
efficiency factor, fixed service, HF	Rep. 347	III	173
HF radio circuits in connection with C.C.I.T.T. Recommendations	Rep. 19-1	III	143
HF radio circuits with optimum frequency-shift	Rep. 198	III	157
HF radio circuits, comparison of different systems	S.P. 17A-1/3	III	210

radiotelegraphy, voice frequency (cont'd)

5-unit start-stop
50-baud, radio circuits HF Rep. 42-2 III 143

radiotelephony
(see Section 3B, Volume III)

channels
for HF coast stations, im-
proved use of, Maritime Mo-
bile Service Q. 30/8 VIII 456

circuit
MF and HF maritime mobile
bands, improvements in per-
formance Q. 11/8 VIII 439
S.P. 11A/8 VIII 439
Rec. 475-1 VIII 63
Rep. 500-1 VIII 109

performance and efficiency,
improvements in, HF fixed
service Q. 13-1/3 III 209

equipment
simple single-channel, bands
above 30 MHz, serving as
subscriber link, technical cha-
racteristics Q. 10-1/9 IX 271

maritime
alarm signals, distress frequen-
cy of 2182 kHz Rec. 219-1 VIII 50

automatic receiving equip-
ment, alarm signal Rec. 219-1 VIII 51

mobile stations
international telephone lines,
interconnection Rec. 77-2 VIII 48

networks
cell systems, for extremely
economical frequency utiliza-
tion, Land Mobile Service Rep. 319-3 VIII 191
S.P. 7D/8 VIII 435

semi-automatic exchange
HF fixed service Rep. 434-1 III 115

service
MF and HF Land Mobile
Service Rec. 494 VIII 180

public correspondence, perfor-
mance objective, maritime sat-
ellite system Rep. 601 VIII 405

simple single-channel equipment
operating in bands above
30 MHz, serving as subscrib-
er link, general indications
concerning design of such
subscriber lines Rep. 380 IX 247

SSB
control tone for automatic
gain control, HF maritime
mobile bands Rep. 359 VIII 103

HF maritime mobile bands,
operational procedures Rec. 477 VIII 89

systems, aeronautical and
maritime mobile Rec. 258-2 VIII 21

SSB and DSB
equivalent powers, Maritime
Mobile Service Rec. 488 VIII 90
Rep. 586 VIII 169

systems
automated, VHF Maritime
Mobile Service, general Rep. 587 VIII 171
Q. 23-1/8 VIII 452

VHF
direct-printing, audio-frequen-
cy techniques, Maritime Mo-
bile Service Rep. 584 VIII 159

direct-printing, voice-frequen-
cy techniques, Maritime Mo-
bile Service Q. 14/8 VIII 441

interference intermodulation
products, Maritime Mobile
Service Rec. 427 VIII 57

technical characteristics, Mari-
time Mobile Service Rec. 489 VIII 92

range plus range sum
distance measuring
direct range measurements,
geostationary satellite Rep. 515-1 VIII 326

ranging
maritime satellite distress sys-
tem Rep. 602 VIII 413

CW sidetone
by satellite, VHF aeronautical
and maritime mobile bands Rep. 513-1 VIII 309

errors
tropospheric and ionospheric,
geostationary satellite Rep. 515-1 VIII 314

experiments
balloon test, to simulate a
satellite Rep. 599 VIII 395

measurements
ATS-5 satellite Rep. 598 VIII 391

range-difference measurement
using geostationary satellite Rep. 515-1 VIII 314

shift keyed
by satellite, VHF aeronautical
and maritime mobile band Rep. 513-1 VIII 310

tone-code
precision, standard deviation,
Mobile-Satellite Service Rep. 507-1 VIII 274

rate of change
distance
measurement of, radiodetermi-
nation satellite technique Rep. 216-2 VIII 210

reading
clock or time scale reading
definition Rep. 366-2 VII 53

re-broadcast

Tropical Zone

single sideband reception for
minimizing fading effects Rep. 472 X 194

single-sideband reception for
minimizing fading effects S.P. 33A/10 X 250

receiver

aircraft

radiodetermination system, ge-
ostationary satellites Rep. 515-1 VIII 317

broadcast and television
spurious radiations Rec. 239-1 I 18

broadcasting, sound and/or tele-
vision
see under "sound broadcast-
ing", etc.

coherent
performance model Rep. 519 I 185

cross-modulation in
FM, transistorized Rep. 328 I 171

frequency-modulation
distortion due to multipath
propagation Q. 40/10 X 254

group-delay characteristics
radiotelegraphy receivers Rec. 332-3 I 48

linear
definition Rec. 331-3 I 21

low noise
noise temperature, measure-
ment Rep. 534 I 344

modelling
coherent Rep. 519 I 185

intermodulation characteris-
tics, procedure Rep. 522 I 216

non-coherent Rep. 520 I 192

RF non-linear Rep. 521 I 205

noise and sensitivity Rec. 331-3 I 20

noise and signal envelope vol-
tages
statistical characteristics at the
pre-detection output (Report
published separately) Rep. 413 17

noise factor
general considerations Rec. 331-3 I 30

representative values (exclud-
ing television receivers and
radiotelegraph receivers for
automatic reception) Rec. 331-3 I 30

representative values, radiote-
legraph receivers for the fixed
service (automatic reception) Rec. 331-3 I 33
Rec. 331-3 I 33

representative values, televi-
sion receivers Rec. 331-3 I 38

non-coherent

performance model Rep. 520 I 192

passband
amplitude-modulated signals Rec. 332-3 I 41

performance characteristics
interference and spectrum util-
ization studies Q. 49/1 I 505

phase/ or group-delay/frequency
characteristics
measurement methods, for HF
telegraph receivers, FM receiv-
ers, FM radio-relay system
receivers, television receivers Rep. 189 I 314

radio paging
design Rep. 499-1 VIII 41

radiotelegraphy
susceptibility to noise Rep. 183-2 I 126

radiotelephony
sensitivity and selectivity,
class of emission F3 Rep. 533 I 341

reference sensitivity
representative values (exclud-
ing television receivers and
radiotelegraph receivers for
automatic reception) Rec. 331-3 I 30

response
broadcast and television re-
ceivers, to impulsive and
quasi-impulsive interference Rec. 334-2 I 80

selectivity Rec. 332-3 I 41
Rep. 185-2 I 135

amplitude-modulation and fre-
quency-modulation Rec. 237-1 I 17

other than of television receiv-
ers Rec. 332-3 I 46

television receivers Rec. 332-3 I 47

sensitivity
amplitude-modulation and fre-
quency-modulation Rec. 237-1 I 17

representative values, televi-
sion receivers Rec. 331-3 I 38

sound-broadcasting
amplitude-modulation and fre-
quency-modulation, noise,
sensitivity, selectivity and sta-
bility Op. 32 I 518

amplitude-modulation and fre-
quency-modulation, sensitivi-
ty, selectivity and stability Rec. 237-1 I 17

antennae and receivers; princi-
pal characteristics for frequen-
cy planning purposes Rep. 617 X 101

characteristics of receivers
and receiving antennae S.P. 36A/10 X 251

classification by categories Op. 52 X 258

receiver, sound-broadcasting (cont'd)

low-cost, for community listening, performance specifications	Rec. 416	X	149
low-cost, performance specifications	Rec. 415	X	147
typical receivers	Q. 41/10	X	255
spurious emissions (radiations) broadcast and television receivers (as sources of)	Rep. 193-1	I	154
from receivers other than broadcast and television receivers	Rep. 193-1	I	154
stability			
amplitude-modulation and frequency-modulation	Rec. 237-1	I	17
assessment of	Q. 9/1	I	475
FM, portable, measurement of	Rep. 330	I	174
superheterodyne			
intermediate frequency, protection against unwanted responses of	Rep. 184-2	I	132
television			
characteristics of receivers and receiving antennae for frequency planning purposes	Rep. 625 Q. 26/11 S.P. 26A/11	XI XI XI	126 298 298
classification by categories	Op. 54	XI	307
low-cost, specifications	Q. 13/11	XI	287
monochrome, low-cost, specifications	Rep. 483-1	XI	116
sensitivity, selectivity and stability	Rec. 330	I	19
susceptibility to ambient fields	Q. 32/11	XI	302
typical for broadcasting service	Q. 33/11	XI	303
tuning criteria			
radiotelegraphy (aural reception (A1 or A2); for automatic reception (A1, F1 or F6)) and radiotelephony (SSB and ISB)	Rep. 188-1	I	151
sound broadcasting (amplitude-modulation (A3) and frequency-modulation (F3)), television broadcasting	Rep. 188-1	I	149
tuning stability	Rep. 192-1 Q. 8/1	I I	152 474

receiving equipment

maritime radiotelephony			
automatic receiving equipment, alarm signal	Rec. 219-1	VIII	51

receiving stations

remotely controlled			
fixed service, HF	Q. 24/3	III	214
HF	Rep. 329-1	I	171
HF, Maritime Mobile Service	Q. 24/8	VIII	453

receiving system

noise factor and effective bandwidth (Report published separately)	Rep. 413		10
operating threshold (Report published separately)	Rep. 413		19
noise threshold (Report published separately)	Rep. 413		7

reception

diversity			
ionospheric (HF and VHF) and tropospheric (UHF and higher) transmission, output signal combination	Rep. 327-2	I	164

reception quality

Broadcasting-Satellite Service			
primary grade, <i>definition</i>	Rep. 471-1	XI	206
secondary grade, <i>definition</i>	Rep. 471-1	XI	206

recording

equipment			
wow and flutter, measurement of	Rec. 409-2	X	199
sound and television organizations qualified to take action on questions of sound and television recording	Op. 16-1	X	257
sound, video and data recording study of definition of terms	Dec. 20	XII	269
television signals			
magnetic tape	Q. 18/11 S.P. 18A/11	XI XI	290 291

recovery time

compressor (compandors)			
<i>C.C.I.T.T. definition</i>	Rec. 475-1	VIII	66

re-entry communications

see under "spacecraft, general"

reference chain

television			
terrestrial and fixed satellite links	S.P. 2A-1/CMTT	XII	224

reference radiation pattern

earth station			
antennae, Fixed-Satellite Service	S.P. 1A-1/4	IV	304
coordination and interference assessment in frequency range from 2 to about 10 GHz	Rec. 465-1	IV	155

reference radiation pattern (*cont'd*)

satellite antenna Fixed-Satellite Service	Rep. 558	IV	264	radio-relay systems for television and telephony application of concept of reliability, calculation	Rep. 445-1	IX	165
reference sensitivity receivers representative values (excluding television receivers and radiotelegraph receivers for automatic reception)	Rec. 331-3	I	30	terminology	S.P. 5C-1/9	IX	265
reflected wave above 1 GHz (see also under "propagation", "radiometeorology")	Rep. 338-2	V	231	relief operations mobile radiocommunication equipment	Rep. 582 Q. 22/8	VIII	46 VIII 451
reflection aircraft-to-satellite link from land	Rep. 505-1	VIII	232	radiocommunication equipment, transportable fixed service	Q. 20/9	IX	282
from névé	Rep. 505-1	VIII	231	transportable earth stations	Q. 22/3 Q. 22/4 Rep. 582 Q. 22/8 Q. 20/9	III IV VIII VIII IX	213 320 46 451 282
from sea surface	Rep. 505-1	VIII	230	remote control HF fixed service HF receiving stations	Q. 24/3	III	214
coefficients polarized waves, vertically and horizontally, aircraft-to-satellite link	Rep. 505-1	VIII	230	Maritime Mobile Service HF receiving stations	Q. 24/8	VIII	453
refraction ionospheric and tropospheric, influence on radiodetermination, geostationary satellite	Rep. 515-1	VIII	314	residues, signal outside baseband limits, radio-relay systems for television	Rec. 463	IX	199
troposphere	Rep. 233-3	V	66	retrograde orbit <i>definition</i>	Rep. 204-3	IV	18
frequencies below 10 MHz, mathematical analysis	Rep. 235-2	V	95	rotation of polarization troposphere see under "radiometeorology, precipitation effects"			
frequencies below 10 MHz, pulse measurements	Rep. 235-2	V	95	roughness factor, surface multipath reflection from sea, satellite experiment	Rep. 505-1	VIII	246
frequencies below 10 MHz, theory and experiment	Rep. 235-2	V	94	routing centre system control signalling channel for a single, maritime mobile-satellite system	Rep. 596	VIII	383
ray-bending	Rep. 234-3	V	80				
scintillation	Rep. 234-3	V	81				
refractive index see under "radiometeorology"							
refractivity see under "radiometeorology"							
refractivity gradient lower atmosphere effect on k-factor	Rep. 233-3	V	67	safety maritime mobile-satellite system	Rep. 595	VIII	376
relationship with trans-horizon propagation	Rep. 233-3	V	67	requirements frequency between 1605 kHz and 3800 kHz in maritime mobile bands to be chosen and reserved	Q. 29/8	VIII	456
rejection ratio intermediate-frequency <i>definition</i>	Rec. 332-3	I	42	safety aspects of radiation see under "space research, earth stations"			
reliability digital radio-relay systems Interim Working Party 9/2	Dec. 16	IX	285				

S

satellite							
<i>definition</i>	Rep. 204-3	IV	17	<i>definition</i>	Rep. 204-3	IV	20
see also "spacecraft, general"							
experimental and operational systems; INTELSAT, MOLNIYA, ORBITA, ATS and TELESAT systems	Rep. 207-3	IV	29	telemetering, tracking and telecommand design values assumed for sharing	Rep. 396-2	II	195
applications for mobile services (see Section 8E, Volume VIII)				frequency sharing at VHF	Rep. 396-2	II	203
experiments				frequency sharing with terrestrial services	Rep. 396-2	II	188
ATS-1 and ATS-3, multipath	Rep. 505-1	VIII	235	interference concerning ground stations	Rep. 396-2	II	189
ATS-1, ATS-3 and ATS-5, tone-code ranging	Rep. 515-1	VIII	331	minimum permissible receiver signal	Rep. 396-2	II	193
ATS-5, multipath	Rep. 505-1	VIII	237	protection ratio	Rep. 396-2	II	194
Dioscures system, position determination	Rep. 515-1	VIII	323	system parameters	Rep. 396-2	II	190
NIMBUS II, multipath	Rep. 505-1	VIII	236	tests			
failure				aeronautical, band 9 (UHF), ATS-5 satellite and high altitude balloons	Rep. 599	VIII	392
Mobile-Satellite Service	Rep. 506	VIII	263	ATS-3 and AZUR, multipath fading, Maritime Mobile-Satellite Service	Rep. 603	VIII	419
location				band 8 (VHF), aeronautical and maritime, ATS-1 and ATS-3	Rep. 600	VIII	396
accuracy, radio-location system, geostationary satellites	Rep. 515-1	VIII	315	maritime, band 9 (UHF), ATS-5	Rep. 598	VIII	391
maintenance telemetering, tracking and telecommand preferred frequency bands	Rec. 363-1	II	17	satisfactory operation factor			
meteorological				HF radiotelegraphy	Rep. 351-2	III	189
see under "meteorological satellites"				scanning			
orbits				line frequency			
for systems providing communication and radiodetermination, mobile service	Rep. 506	VIII	257	maritime facsimile service	Rep. 588	VIII	174
passive				scatter, ionospheric			
<i>definition</i>	Rep. 204-3	IV	17	see propagation, ionospheric scatter			
phased				scintillation			
<i>definition</i>	Rep. 204-3	IV	20	affecting Earth-space propagation	Rep. 263-3	VI	223
radiodetermination sharing with other systems, general	Rep. 394-1	VIII	215	ionospheric			
services and systems				affecting choice of frequency band, aeronautical/maritime satellites	Rep. 504-1	VIII	223
see under service concerned				search and rescue (SAR)			
station-keeping factors affecting	Rep. 453-1	IV	193	aeronautical			
sub-synchronous				operational functions, Aeronautical Mobile-Satellite Service	Rep. 595	VIII	374
<i>definition</i>	Rep. 204-3	IV	20	sea state			
super-synchronous				occurrence			
<i>definition</i>	Rep. 204-3	IV	30	reflection from sea surface, aircraft-to-satellite link	Rep. 505-1	VIII	231
synchronized							
<i>definition</i>	Rep. 204-3	IV	20				

selective calling									
Maritime Mobile Service, SSB working	Rec. 258-2	VIII	23						
system future operational requirements, Maritime Mobile Service	Rep. 501-1	VIII	112						
call signal, audio-frequency	Rec. 257-1	VIII	53						
digital									
Maritime Mobile Service, general	Rep. 501-1	VIII	113						
Maritime Mobile Service, operational characteristics	Rec. 493	VIII	97						
direct-printing									
systems, attended and fully automatic, Maritime Mobile Service	Rep. 585	VIII	161						
sequential single frequency code (SSFC)									
Maritime Mobile Service	Rec. 257-1	VIII	54						
system									
future operational requirements, Maritime Mobile Service	Q. 9-2/8	VIII	436						
Maritime Mobile Service, audio-frequency call signal	Rec. 257-1	VIII	53						
ship-to-shore direction, Maritime Mobile Service	S.P. 9A/8	VIII	437						
tests									
VHF satellite tests	Rep. 600	VIII	402						
selectivity									
AM and FM receivers	Op. 32	I	518						
effective receiver, <i>definition</i>	Rec. 332-3	I	43						
measurement of multiple-signal methods	Rep. 186-2	I	142						
receiver	Rep. 185-2	I	135						
	Rec. 332-3	I	41						
Land Mobile Service	Rep. 319-3	VIII	185						
other than of television receivers	Rec. 332-3	I	46						
radiotelephony, class of emission F3	Rep. 533	I	341						
sound-broadcast, amplitude-modulation, frequency-modulation, sensitivity and stability	Rec. 237-1	I	17						
television	Rec. 332-3	I	47						
television, sensitivity and stability	Rec. 330	I	19						
selector									
receiving selective-calling signals, Maritime Mobile Service	Rec. 257-1	VIII	55						
semi-automatic exchange									
radiotelephony fixed service, HF	Rep. 434-1	III	115						
remote connection devices, fixed service, HF	Rec. 480	III	93						
semi-duplex									
see under "duplex"									
sense of modulation									
radio-relay systems television, (and frequency deviation)	Rec. 276-2	IX	189						
sensitivity									
equations relating it to signal-to-noise ratio	Rec. 331-3	I	28						
AM and FM receivers	Op. 32	I	518						
maximum <i>definition</i>	Rec. 331-3	I	23						
maximum usable receivers, <i>definition</i>	Rec. 331-3	I	22						
receiver									
Land Mobile Service	Rep. 319-3	VIII	185						
radiotelephony, class of emission F3	Rep. 533	I	341						
representative values, radiotelegraph receivers for the fixed service (automatic reception)	Rec. 331-3	I	33						
representative values, television receivers	Rec. 331-3	I	38						
television, selectivity and stability	Rec. 330	I	19						
usable, in the presence of quasi-impulsive interference	Rep. 183-2	I	124						
reference									
receivers, calculation	Rec. 331-3	I	27						
receivers, <i>definition</i>	Rec. 331-3	I	22						
separation, channel									
see channel separation									
service area (of a broadcasting transmitter)									
broadcasting, bands 5 (LF) and 6 (MF) <i>definition</i>	Rec. 499	X	25						
service channels									
radio-relay systems auxiliary, preferred characteristics	S.P. 4A-1/9	IX	262						
types of service channel to be provided	Rec. 400-2	IX	147						
radio-relay systems for television and telephony	Rep. 444	IX	163						
form, characteristics and preferred values, study of	Q. 4/9	IX	261						

sextant, radio					
angle of elevation measurements, radiodetermination-satellite technique	Rep. 216-2	VIII	212	quality Land Mobile Service, <i>definition</i>	Rep. 358-2 VIII 33
radiodetermination systems				space techniques for aircraft and ships	Rep. 509-1 VIII 279
frequencies technically suitable	Rec. 361-2	VIII	206	residues outside baseband, radio-relay systems for television, limits	Rec. 463 IX 199
sferics				sound and television broadcasting characteristics preferred for transmission, radio-relay systems for television	Q. 3-1/9 IX 259
atmospheric noise, aeronautical/maritime satellites	Rep. 591	VIII	342	sound and television programme signals transmission over long distances (see Section CMTT F, Volume XII)	
shipboard communication				sound and vision by time division multiplex transmission	S.P. 4B/CMTT XII 225
see under "radiating cable systems"				digital transmission	S.P. 10A-1/CMTT XII 234
UHF frequencies	S.P. 18A/8	VIII	450	joint transmission over long distances (see Section CMTT C, Volume XII)	
maritime radiotelephony				transmission, coordination of	S.P. 4A-1/CMTT XII 225
portable radio equipment	Q. 18-1/8	VIII	449	sound programme magnetic tape recording, measurement of characteristics, short-circuit tape flux	Rep. 79-2 X 205
ship's transmitter				over satellite links, E.B.U. "Eurovision" satellite project	Rep. 498-1 XII 170
field strength				over satellite links, INTEL-SAT system arrangements	Rep. 498-1 XII 170
150 nautical miles, safety of life at sea	Rep. 502-1	VIII	132	protection against digital transmission, considerations of methods	Rep. 648 XII 215
shore-based				transmission over long distances	Q. 5-2/CMTT XII 226
radar				transmission, over communication-satellite links	S.P. 5G/CMTT XII 229
ship identification	Rep. 318	VIII	102	special insertion in field-blanking interval of a television signal, monochrome and colour television signals	Rep. 473-1 XII 109
sidereal period of revolution				insertion in the field-blanking interval of a television signal	Rep. 314-3 XII 123 S.P. 1C-1/CMTT XII 220
satellite				insertion, in the field-blanking interval of a television signal	S.P. 12A-1/11 XI 286
<i>definition</i>	Rep. 204-3	IV	20	spectrum radiotelegraphy, compression of, HF bands, PSK systems, digital signalling systems, coding techniques, PSK	Rep. 177-1 I 93
sidereal period of rotation (of an object in space)					
<i>definition</i>	Rep. 204-3	IV	20		
side-scatter					
resulting from ground or ionospheric irregularities	Rep. 429-1 Q. 3-2/6	VI VI	46 248		
signal					
colour bar					
nomenclature	Rec. 471	XI	18		
digital selective-calling Maritime Mobile Service	Rep. 501-1	VIII	125		
distortion of transmission of monochrome television, trans-horizon radio-relay systems	Q. 14/9	IX	278		
keyed interfering protection against	S.P. 41A/1	I	498		
measurements on spectra F1	Rep. 179-1	I	112		
monophonic obtained from a stereophonic source, compatibility	S.P. 15C/10	X	230		
monophonic and stereophonic programme circuits characteristics	S.P. 5D-2/CMTT	XII	227		
power wanted available signal powers (Report published separately)	Rep. 413		8		

signal (cont'd)

telegraph					audio-frequency receiver for, 25 kHz channel spacing, VHF Maritime Mobile Service	Rep. 583	VIII 158
build-up time, <i>definition</i>	Rec. 328-3	I	296				
relative build-up time, <i>definition</i>	Rec. 328-3	I	296				
television					normalized equations relating it to sensitivity	Rec. 331-3	I 28
digital transmission	Rep. 646	XII	208		television	Rep. 637	XII 106
distortion due to the use of vestigial-sideband emissions	Rep. 404-2	XI	70		single value for all systems	Rep. 410-2	XII 60
distortion, reception of vestigial-sideband emissions	Q. 7-1/11	XI	285		signal-to-weighted noise ratio		
recording, magnetic tape	Q. 18/11 S.P. 18A/11	XI XI	290 291		television systems		
					single value of for all systems	Rec. 410-2	XII 60
transmission over long distances	Q. 1-1/CMTT	XII	219		simulator		
					channel inospheric, HF	Rep. 549	III 66
transmission over long distances, (system I excepted), requirements	Rec. 421-3	XII	21		SINAD		
transmission, over long distances, requirements, system I only	Rec. 451-2	XII	41		ratio		
test					single-sideband equipment, MF and HF Land Mobile Service	Rec. 494	VIII 182
measurements with	Rec. 473-1	XII	113		signal + noise + distortion/noise + distortion		
measurements, list of	Rec. 473-1	XII	120		measuring method, equipment		
television	Rec. 421-3	XII	33		VHF maritime mobile band	Rep. 583	VIII 157
wanted-to-unwanted ratio, colour television	Rep. 306-2	XI	100		single-channel-per-carrier		
ratio, monochrome television	Rec. 418-2	XI	88		systems		
ratio, television	Q. 4-1/11	XI	275		comparison of modulation methods, public correspondence, maritime satellite system	Rep. 601	VIII 411
ratio, television subjective assessment of multiple co-channel interference	Rep. 481	XI	85		single-frequency (and two-frequency)		
ratio, television, use of offset method, when there are large differences between carrier frequencies of interfering stations	S.P. 4A-1/11	XI	276		operation		
					(see also under "common frequency operation")		
signalling format					advantages and disadvantages, Land Mobile Service	Rep. 319-3	VIII 190
radio paging	Rep. 499-1	VIII	42		single-pulse		
signals spectrum					modulation techniques, Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII 287
radiotelephony					single-range		
compression of, HF bands	Rep. 176-3	I	90		measurements		
signal-to-interference ratio					geostationary satellite	Rep. 515-1	VIII 313
see under "protection ratio"					single sideband systems		
signal-to-noise density					distress and safety purposes, use of	Q. 26/8	VIII 454
modulation technique, analogue					Aeronautical and Maritime Mobile Service		
Aeronautical/Maritime Mobile-Satellite Services	Rep. 509-1	VIII	281		radiotelephony	Rec. 258-2	VIII 21
signal-to-noise ratio					HF maritime service, radiotelephony		
fixed service, HF	Rec. 339-3	III	29		operational procedures	Rec. 477	VIII 89
likely to be achievable, Maritime Mobile-Satellite Service	Rep. 508	VIII	278		Land Mobile Service		
					radiotelephone equipment, preferred technical characteristics, MF and HF	Rec. 494	VIII 180

single sideband systems (cont'd)

Maritime Mobile Service
equivalent powers Rec. 488 VIII 90

radio equipment, linked com-
pressor and expander system Rec. 475-1 VIII 80

operation
full carrier, standard-frequen-
cy and time-signal emissions Rep. 362-2 VII 45
S.P. 1B-1/7 VII 68

site diversity
see under "propagation",
"curves-space systems"

sky-noise temperature
see also under "propagation",
"space systems" and "radio-
meteorology" Rep. 234-3 V 86

solar indices
long-term prediction Rep. 245-3 VI 19
S.P. 8A-1/6 VI 255

SOLAS
see under "International Con-
vention for the Safety of Life
at Sea"

sound channel
radio-relay systems television
and telephony, simultaneous
transmission television and
maximum four sound chan-
nels, preferred characteristics Rep. 289-2 IX 201

sound broadcasting
see under "broadcasting,
sound"

sound channel
preferred characteristics
radio-relay systems for televi-
sion and telephony, transmis-
sion of more than one sound
programme S.P. 3A-1/9 IX 260

radio-relay systems for televi-
sion, simultaneous transmis-
sion of monochrome television
signal and single sound chan-
nel Rec. 402-1 IX 190

sounding
ionospheric
oblique incidence Rep. 357-1 III 60
S.P. 20A/3 III 211
Rep. 249-3 VI 32
S.P. 12A-1/6 VI 259

sound programme
recorded
see under "international ex-
change"

sound quality
subjective assessment in bro-
adcasting S.P. 4B/10 X 225

subjective assessment
broadcasting, and perfor-
mance of sound-programme
transmission systems, pro-
posed method Rep. 623 X 218

sound recording

optical
(and reproducing) standards
for international exchange of
television programmes Q. 17-1/11 XI 290

sound reproduction and recording equipment

wow and flutter, measurement
of Rec. 409-2 X 199

spacecraft

(see also "spacecraft,
manned" and "spacecraft, un-
manned")

definition Rep. 204-3 IV 17

attitude control
sensing and systems Rep. 546 II 130

communication and navigation
systems
ionospheric factors Q. 18-1/6 VI 263

links with earth stations
characteristics Q. 2-1/2 II 307

monitoring stations
monitoring of emissions from
spacecraft Q. 27/1 I 486

near-Earth
typical equipment Rep. 548 II 147

re-entry communications
antenna radiation patterns in
plasma Rep. 222-3 II 28

de-tuning effects of plasma
upon resonant antennae Rep. 222-3 II 27

description of plasma sheaths Rep. 222-3 II 24

effects of plasmas Rep. 222-3 II 23
Q. 3/2 II 308

frequencies above 10 GHz,
frequencies well below the
plasma critical frequency S.P. 3A/2 II 309

frequency bands Rec. 367 II 21

impedance of aperture anten-
nae in a plasma environment Rep. 222-3 II 26

propagation in plasmas Rep. 222-3 II 25

rocket exhaust plasma effects Rep. 222-3 II 29

sharing of frequencies
parameter of earth station
links Q. 1/2 II 305

telemetry
effects of interference Rep. 545 II 117

frequency sharing S.P. 1A/2 II 305

transmitters used as beacons
field strength, Faraday rota-
tion, preferred frequency
bands Rep. 456-1 II 51

spacecraft, transmitters used as beacons (cont'd)

frequency sharing, preferred frequency bands	Rep. 456-1	II	50	near-Earth research			
geodesy, preferred frequency bands	Rep. 456-1	II	49	earth station links relayed by space stations, bands 8, 9, 10, 11	Rep. 537	II	76
ionospheric research, preferred frequency bands	Rep. 456-1	II	49	space networks			
preferred frequency bands	Q. 10/2	II	314	Space Research Service frequency sharing, interference criteria, factors affecting prediction methods	Q. 14-1/2	II	318
protection of frequency bands	S.P. 10A/2	II	315	space probe			
radio propagation, preferred frequency bands	Rep. 456-1	II	48	definition	Rep. 204-3	IV	17
spacecraft, manned				space radiocommunications			
deep-space research				terms and definitions	Rep. 204-3	IV	17
bandwidths	Rep. 536	II	52	ionospheric influences			
frequency sharing	Rep. 536	II	53	frequencies above about 1.5 MHz	S.P. 18B-1/6	VI	264
future earth station links	Rep. 536	II	70	frequencies below about 1.5 MHz	S.P. 18A-2/6	VI	264
interference from terrestrial transmitters	Rep. 536	II	58	see under service concerned			
radio-frequency power needs	Rep. 536	II	61	space research			
near-Earth				(see also "space research, deep space" and "space research, near-Earth")			
maintenance telemetering	Rep. 548	II	138	(see Section 2A, Volume II)			
mission telemetering	Rep. 548	II	141	antennae			
telecommand systems	Rep. 548	II	143	characteristics, performance limits due to ionosphere and troposphere	S.P. 2A/2	II	308
tracking systems	Rep. 548	II	144	earth stations			
near-Earth research				safety aspects of radiation at 2 GHz	Rep. 543	II	103
earth station links relayed by space stations, bands 8, 9, 10, 11	Rep. 537	II	76	safety aspects of radiation, expected power flux-densities, safety precautions	S.P. 16A/2	II	319
telecommunication links				frequency sharing between space networks			
frequencies and protection criteria	Rec. 366-1	II	20	interference criteria, factors affecting interference prediction methods	Q. 14-1/2	II	318
spacecraft, unmanned				frequency sharing between systems	S.P. 1B/2	II	306
deep-space research				frequency utilization			
bandwidths and frequencies	Rep. 536	II	52	above the ionosphere and on the far side of the Moon	Q. 7-1/2	II	313
frequency sharing	Rep. 536	II	53	geodetic SECOR			
future earth station links	Rep. 536	II	70	satellite system, ranging in the aeronautical mobile band	Rep. 513-1	VIII	310
interference from terrestrial transmitters	Rep. 536	II	58	narrow-band phase locked loops			
radio-frequency power needs	Rep. 536	II	61	effects of interference	Rep. 544	II	114
near-Earth				near-Earth satellites			
maintenance telemetering	Rep. 548	II	138	frequencies and bandwidths	Rec. 364-2	II	159
mission telemetering	Rep. 548	II	141	interference protection criteria	Rec. 364-2	II	160
telecommand systems	Rep. 548	II	143				
tracking systems	Rep. 548	II	144				

space research (cont'd)

spacecraft telemetering effects of interference	Rep. 545	II	117	used as relays see under "space research"		
telemetering effects of interference	S.P. 1A/2	II	305	Special Committee for Antarctic Research (S.C.A.R.) routine ionospheric sounding	Op. 22-2	VI 272
space research, deep space manned and unmanned bandwidths and frequencies	Rep. 536	II	52	Special Committee of Solar-terrestrial Physics (SCOSTEP) ionospheric observing programme for numerical mapping purposes	S.P. 2A-2/6	VI 247
frequency sharing	Rep. 536	II	53	routine ionospheric sounding	Op. 22-2	VI 272
future earth station-spacecraft links	Rep. 536	II	70	specifications ships' equipment harmonization of, maritime mobile-satellite system	Rep. 595	VIII 377
future system parameters	Rep. 536	II	56	spectrum distribution F1 emission	Rep. 179-1	I 109
interference from terrestrial transmitters	Rep. 536	II	58	emission measurement of in actual traffic	S.P. 37A/1	I 494
interference to other receivers	Rep. 536	II	63	frequency conservation for high-precision time signals	Rep. 270-2 S.P. 3A-1/7	VII 38 VII 70
radio-frequency power needs	Rep. 536	II	61	out-of-band (of an emission) definition	Rec. 328-3	I 295
telecommunication links frequencies, bandwidths and interference criteria	Rec. 365-2	II	18	phase-interference fading models studies of the efficient use of radio-frequency spectrum	Rep. 415	I 174
space research, near-Earth maintenance telemetering	Rep. 548	II	138	radio-frequency efficiency of spectrum use, definition	Q. 47/1	I 503
mission telemetering	Rep. 548	II	141	efficient use of (Report published separately)	Rep. 414	35
spectrum needs	Rep. 548	II	146	efficient use of, models of phase-interference fading (Report published separately)	Rep. 415	43
telecommand systems	Rep. 548	II	143	efficient utilization of (see Section 1A. Volume I)		
tracking systems	Rep. 548	II	144	maximizing efficiency and utility of, diversity systems	Q. 11-1/1	I 476
typical earth-station equipment	Rep. 548	II	149	maximizing efficiency and utility of, system design	Q. 18-1/1	I 477
typical spacecraft equipment	Rep. 548	II	147	occupancy, automatic monitoring	Rec. 182-1 Rep. 278-3 Q. 29/1	I 349 I 393 I 487
frequency sharing interference from earth stations to terrestrial stations	Rep. 548	II	153	performance characteristics of receiver systems	Q. 49/1	I 505
interference from space to terrestrial stations	Rep. 548	II	152	utilization, system models for evaluation of compatibility	Q. 44/1	I 500
interference to earth stations	Rep. 548	II	152			
interference to space stations	Rep. 548	II	151			
space stations used as relays bands 8, 9, 10, 11	Rep. 537	II	76			
frequency sharing, bands 8, 9, 10, 11	Rep. 537	II	80			
link characteristics	Q. 11/2	II	316			
systems and interference	Rep. 537	II	77			
Space Research Service attitude control sensing and systems	Rep. 546	II	130			
space stations selection of frequencies for telecommunications with, factors affecting	Rep. 205-3	IV	21			

spectrum, radio frequency (*cont'd*)

visual monitoring	Rep. 279-1 Q. 30-1/1	I I	399 488	dissemination of, additional techniques	Q. 4-1/7	VII	72
radiotelegraph signals				external interference, avoidance of	Rec. 375-1	VII	14
compression of, HF bands	Q. 3/1	I	469	forms of expression: IWP 7/2	Dec. 13	VII	76
radiotelephone signals				improvement of	S.P. 1A-1/7 Q. 1/7	VII VII	67 67
compression of, HF bands	Q. 2/1	I	468	IWP 7/1	Dec. 12	VII	75
signal-to-interference protection ratios				reduction of mutual interference: IWP 7/3	Dec. 14	VII	76
provisional, for investigations	Rep. 525	I	245	additional frequency bands			
spread spectrum techniques				bands 8 and 9	Op. 27	VII	79
radiodetermination, Mobile-Satellite Service	Rep. 507-1	VIII	275	carrier-frequency stabilization			
sporadic E				broadcast transmitters	S.P. 4A/7	VII	73
characteristics	Rep. 573	VI	103	characteristics			
prediction	Rep. 344-2 S.P. 4A-2/6	VI VI	102 249	in allocated bands, outside allocated bands	Rep. 267-3	VII	25
SPOT (speed, position and track)				comparison by different methods	S.P. 3C-2/7	VII	71
ranging system				coordination procedure	Res. 14-3	VII	77
geostationary satellites	Rep. 515-1	VIII	333	frequency and time interval accuracy	Rep. 267-3	VII	26
spread spectrum (pseudo-random coding), use in repeater				general, allocated frequencies	Rec. 374-3	VII	13
space stations	Rep. 537	II	86	generators			
spurious emission				instability	Rep. 364-2 S.P. 3B/7	VII VII	50 71
see under "emission"				high precision	Rep. 438 Q. 5/7	VII VII	54 74
spurious radiation				international atomic time scale			
broadcast and television receivers	Rec. 239-1	I	18	in LF and MF emissions	Rec. 486	VII	23
technical characteristics of land mobile equipment	Rep. 319-3	VIII	185	Modified Julian Date (MJD)			
(of an emission)	S.P. 38A-1/1	I	495	use of	Rec. 457-1	VII	15
power limits and measurement methods, <i>definition</i>	Rec. 329-2	I	305	mutual interference			
VHF and UHF bands	Rep. 417	I	175	reduction of	Rep. 269-3	VII	37
emission of				operation			
radioastronomy	Rec. 329-2	I	305	operating conditions	Rec. 460-1	VII	18
space service	Rec. 329-2	I	305	single-sideband operation	S.P. 1B-1/7	VII	68
spurious-response rejection ratio				various combinations of carrier and sidebands	Rep. 362-2	VII	44
<i>definition</i>	Rec. 332-3	I	42	received stability	Q. 3/7	VII	70
SSDC (sequential single frequency code)				stability and accuracy			
selective call				in VLF and LF bands, as received	Rep. 271-4	VII	41
Maritime Mobile Service	Rec. 257-1	VIII	54	time scales			
stability				use of	Rec. 485	VII	23
frequency				via satellite	Rep. 518-1 S.P. 2A-1/7	VII VII	57 69
see under "frequency stability"				allocated frequencies	Rep. 518-1	VII	58
stabilization							
ship antenna							
maritime satellite system	Rep. 594	VIII	366				
standard-frequency and time-signal emissions							
additional frequency bands	Rec. 375-1 Q. 2/7	VII VII	14 69				

standard-frequency and time-signal emissions (cont'd)

via stabilized broadcast station
carriers
dissemination Rep. 576 VII 59

stand-by arrangements
radio-relay systems
television and telephony Rec. 305 IX 140

stationary satellite
definition Rep. 204-3 IV 20

station-keeping satellite
definition Rep. 204-3 IV 20

stations
radio
see under "radio stations"

receiving
see under "receiving station"

stereophony
broadcasting Q. 15/10 X 228

frequency-modulated, essen-
tial characteristics, techniques
for checking Q. 16/10 X 231

standards for compatible sys-
tems in sound and television
broadcasting S.P. 15A-1/10 X 229

modulation characteristics
parameters and methods,
checking S.P. 16A/10 X 231

transmission and reproduction
audio-frequency parameters,
tolerances of quality param-
eters for stereophony and table
of quality tolerances Rep. 293-3 X 207

transmission chain
audio-frequency parameters,
tolerances S.P. 15B/10 X 229

stereoscopy
television
see under "television, stere-
oscopic"

still image
broadcasting Q. 29/11 XI 300

transmission
multiplexed with television S.P. 29A/11 XI 301

sub-synchronous (super-synchronous) satellite
definition Rep. 204-3 IV 20

sunspot number
see under "propagation, ionos-
pheric, basic indices"

super-synchronous (sub-synchronous) satellite
definition Rep. 204-3 IV 30

suppression
electrical interference
aboard ship Rec. 218-1 VIII 49

switching arrangements

multi-line
radio-relay systems for televi-
sion and telephony, preferred
characteristics Rec. 444-1 IX 150
Rep. 137-3 IX 152
S.P. 5A-2/9 IX 263

switching discontinuities
non-geostationary satellites Rep. 214-2 IV 37

symbols
digital selective-calling, Mari-
time Mobile Service Rep. 501-1 VIII 124

graphical
(see Section CMV A, Vo-
lume XII)

general, for telecommunica-
tions Rec. 461-1 XII 249
Res. 23 XII 271

general, for telecommunica-
tions, Joint CCI/IEC Working
Group, IEC/CCI/JWG on
graphical symbols Rep. 335-3 XII 250

general, for telecommunica-
tions, prepared by the Joint
CCI/IEC Working Group and
appearing in IEC publications,
see also: Report 440-1 with
supplement no. 1, (Report pu-
blished separately) Rep. 440-2 XII 251

letter Int. (CMV) XII 244

synchronization
errors and loss of Rep. 648 XII 215

synchronized satellite (phased satellite)
definition Rep. 204-3 IV 20

synchronizing
recording and reproducing sys-
tems
methods Rep. 468-1 X 216

various recording and reproduc-
ing systems
methods Q. 22/11 XI 294

synchronizing signals
television
simplification S.P. 1E/11 XI 272

synchronous satellite
definition Rep. 204-3 IV 20

synthesizer, frequency
characteristics Rep. 530 I 334
Q. 48/1 I 504

short-term stability Rep. 550 III 75

system control
maritime mobile-satellite system
at every earth station Rep. 596 VIII 383

system homogeneity
satellite systems Rep. 453-1 IV 196

system loss									
radio circuit calculation	Rec. 341	I	82	transmission of colour television and simultaneous transmission of colour television and other signals over radio-relay systems, preferred characteristics	S.P. 3C/9	IX	260		
system performance				video signal characteristics	Rep. 624	XI	30		
basic limitations	Q. 50/1	I	506	wanted-to-unwanted signal ratio	Rep. 306-2	XI	100		
systems of units				digital	Rep. 644	XII	205		
International Unit Systems (S.I.)				distribution system (indirect)					
rationalized form	Rec. 430	XII	257	quality characteristics, studies by E.B.U., European Conference on Satellite Telecommunications and European Space Research Organisation	Rep. 208-3	IV	84		
T				ghost images	Q. 6/11 S.P. 6A/11	XI XI	284 284		
tape recording				high-definition	Q. 27/11 Q. 12/CMTT S.P. 12A/CMTT	XI XII XII	299 236 236		
television				monochrome					
measuring methods	Rep. 470-1	XI	171	characteristics of systems (see Section 11A, Volume XI)					
telegraph distortion				ghost images, re-radiation from masts in neighbourhood of transmitting antennae	Rep. 478	XI	84		
error rate				receivers low-cost, specifications	Rep. 483-1	XI	116		
fixed service, HF	Rep. 200-1	III	157	signals, preferred characteristics, permissible noise and signal distortion for transmission of, trans-horizon radio-relay systems	Rep. 377-1	IX	221		
telegraph signal				wanted-to-unwanted signal ratio	Rec. 418-2	XI	88		
build-up time				pictures					
definition	Rec. 328-3	I	296	quality and the parameters affecting it (see Section 11C, Volume XI)					
relative build-up time				quality, subjective assessment	Rep. 313-3 Rep. 405-2 S.P. 3A/11 Q. 3-1/11 Op. 40	XI XI XI XI XI	69 75 274 274 306		
definition	Rec. 328-3	I	296	quality, subjective assessment, method	Rec. 500	XI	65		
telegraphy				pictures and sound programmes					
direct-printing				quality, subjective assessment	Op. 53	XI	306		
see under "direct-printing telegraphy"				programmes					
telemetry, telecommand etc.				data for controlling automatic equipment, added to recorded programmes, on film or magnetic materials, for international exchange	Q. 28/11	XI	299		
see under "spacecraft" and "satellites"				see under "television programmes"					
telephone system									
Maritime Mobile Service									
VHF, automated system, general	Q. 23-1/8	VIII	452						
TELESAT									
satellite system									
characteristics	Rep. 207-3	IV	32						
television									
colour									
characteristics of systems (see Section 11A, Volume XI)									
colorimetric standards	Rep. 476-1	XI	21						
principal SECAM IV, technical characteristics	Rep. 624	XI	50						
signals, radiated, standards	S.P. 1B/11	XI	270						
signals, recording, film	Rep. 469-1 Q. 20/11	XI XI	170 293						
signals, transcoding from one system to another	S.P. 2A/11	XI	273						
signals, video, standards	S.P. 1A/11	XI	270						
standards	Q. 1/11	XI	269						
tolerances, allocation of	S.P. 1F/11 S.P. 1E/CMTT	XI XII	273 222						
transcoding of signals from one colour system to another	Rep. 477-1	XI	62						

television (cont'd)

protection ratios				digital modulation, basic principles, coding methods, examples of coding techniques	Rep. 629	XI	138
frequency sharing between broadcasting-satellite systems and terrestrial broadcasting systems: IWP 11/2	Dec. 17	XI	304	subjective quality targets	S.P. 14A/11 Q. 14/11	XI XI	288 288
non-precision offsets between signals that are multiples of one-twelfth line frequency	Rep. 480	XI	113	used in various countries	Rep. 624	XI	48
shared bands, protection against radionavigation transmitters operating in band 582 to 606 MHz	Rep. 307	XI	110	using digital modulation, standards for	Q. 23-1/11	XI	296
when both wanted and unwanted signals are substantially non-fading	Rep. 479	XI	112	using digital modulation, standards, encoding of colour television signals	S.P. 25B/11	XI	297
radio-relay systems				using digital modulation, standards, reduction in bit rate in digital coding of television signals	Q. 25-1/11	XI	297
preferred characteristics for transmission of colour television and simultaneous transmission of colour television and other signals	S.P. 3C/9	IX	260	video-frequency characteristics international exchange of programmes between countries using 625-line colour or monochrome systems	Rec. 472-1	XI	53
reference chain				tape recording			
terrestrial chains longer than 2500 km, communication-satellite links	Q. 2-1/CMTT	XII	223	measurement methods	Rep. 470-1 S.P. 18C/11	XI XI	171 292
service				transmission			
minimum field strengths protection for which may be sought in planning	Rec. 417-2	XI	87	two or more sound or information channels	Q. 18-2/10	X	233
terrestrial, minimum power-flux density for planning in 12 GHz band (band VI)	Rep. 627	XI	136	two or more sound or information channels, television	S.P. 18B-1/10	X	234
service area				two simultaneous, sound channels, objective method of crosstalk measurement	S.P. 18A/10	X	234
boundaries of, in rural districts having a low population density	Rep. 409-1	XI	83	transmission of signals over long distances			
signals				measurements, monitoring and maintenance (see Section CMTT B, Volume XII)			
distortion due to the use of vestigial-sideband emissions	Rep. 404-2	XI	70	transmission standards (see Section CMTT A, Volume XII)			
standards conversion				transmitters			
present position	Rep. 311-3	XI	55	phase correction, necessitated by use of vestigial-sideband transmission	Rec. 266	XI	87
stations				telex			
automatic monitoring	Rep. 628 Q. 15/11	XI XI	137 289	HF radiotelegraph			
stereoscopic				see HF radiotelegraph, telex			
constitution of a system	Rep. 313-2 S.P. 1C/11	XI XI	20 270	terms			
synchronization pulses				decibel			
time comparisons	Rep. 363-3	VII	46	limits on the use of	Rep. 650	XII	263
synchronizing signals				definitions			
simplification	Rep. 626 S.P. 1E/11	XI XI	134 272	C.M.V. studies	Dec. 19	XII	267
system	Rec. 470-1	XI	17	equivalence			
characteristics	Rep. 624	XI	22	direct-printing telegraphy,			

terms, equivalence (*cont'd*)

Maritime Mobile Service	Rec. 490	VIII 93	intercomparison, by various methods	Rep. 363-3	VII 45
left-hand (anti-clockwise) polarized wave			notations, concerned international organizations	Op. 48	VII 81
definition	Rep. 321	XII 253	opinion of scientific organizations	Op. 36-1	VII 80
right-hand (clockwise) polarized wave			origin of	Rep. 439-1	VII 56
definition	Rep. 321	XII 253	atomic international comparisons	Rec. 458	VII 16
sound, video and data recording study of definition of terms	Dec. 20	XII 269	averaging problems		
test signal			clocks used to establish, statistical weights of	Rep. 579	VII 63
characteristics	Rep. 491-1	XII 177	statistical weight of clocks	S.P. 1D-1/7	VII 68
standard			standard-frequency and time-signal emissions		
television channel, conventional loading	Rep. 643 Q. 8-1/CMTT	XII 200 XII 233	use of	Rec. 485	VII 23
test-tone-to-noise ratio (T/N)			time signals		
characteristic for each modulation system, aeronautical/maritime mobile-satellite system	Rep. 597	VIII 385	clock synchronization		
test-tone-to-weighted noise ratio			experiments using satellites	Rep. 363-3	VII 48
comparison of modulation methods, public correspondence, maritime satellite system	Rep. 601	VIII 411	dissemination		
time			sound broadcasting transmitters, amplitude-modulated, addition of phase modulation	Rep. 577 S.P. 4B/7	VII 60 VII 73
codes			emissions		
standard-frequency and time-signal emissions	Rep. 578 Q. 7/7	VII 61 VII 74	studies and experiments concerned with	Op. 26-2	VII 78
coordinate			high-precision		
procedure	Rep. 439-1	VII 57	frequency-spectrum conservation for	Rep. 270-2	VII 38
precise			time step		
system for	Rep. 438	VII 54	definition	Rep. 366-2	VII 53
synchronization			time system		
VHF satellite tests	Rep. 600	VIII 401	terrestrial coordinate		
time and frequency, information			coordinate clocks, local standard (metric) clocks	Rep. 439-1	VII 56
from radio emissions, definitions	Rep. 366-2	VII 53	tolerances		
radio emissions			colour television, allocation of	Rep. 635	XII 100
properties of systems yielding such information from emissions, definitions	Rep. 366-2	VII 53	frequency		
time delay			HF band, aeronautical communications	Rep. 590	VIII 201
transmission			tone code ranging		
equalization of, maritime mobile radiotelephony, using lin-complex	Rec. 475-1	VIII 66	experiments		
time division multiple access (TDMA)			ATS-5 satellite tests	Rep. 599	VIII 393
see under "multiple access"			ranging signals		
time-division multiplex			radiodetermination, Mobile-Satellite Service	Rep. 507-1	VIII 274
sound and vision signals	Rep. 488-1	XII 136	ranging technique		
time scales			ranging technique, geostationary satellites	Rep. 515-1	VIII 329
definition	Rep. 366-2	VII 53	system		
			multipath effects, satellite experiment	Rep. 505-1	VIII 238

topography				two or more, simultaneous, frequency-modulation sound broadcasting	Rep. 463-1	X	133
considerations				time			
cell systems, Land Mobile Service	Rep. 319-3	VIII	194	see under "transmission time"			
traffic				transmission loss			
control and navigation				see also under "field strength" and/or "propagation"			
satellite system, integrated	Rep. 515-1	VIII	336	basic			
density				radio circuit, calculation	Rec. 341	I	83
man-made noise, Land Mobile Service	Rep. 358-2	VIII	32	free space			
estimated volume				calculation	Rep. 112	I	85
maritime mobile-satellite system	Rep. 595	VIII	376	radio systems			
transcoding				concept, applicable to studies	Rec. 341	I	82
colour television signals				studies	Rep. 112	I	85
from one colour system to another	Rep. 477-1	XI	62	transmission time			
from one system to another	S.P. 2A/11	XI	273	difference			
transit				television signal, between sound and picture components	Rep. 412-2 Q. 4-1/CMTT	XII XII	133 225
relay system				transmitter			
maritime satellite distress system	Rep. 602	VIII	413	see also under service concerned			
transmission				aircraft			
definition	Rec. 325	I	269	radiodetermination, geostationary satellites	Rep. 515-1	VIII	318
emission (in radiocommunication), definitions	Rec. 325	I	269	frequency stabilization	Rep. 180-2 S.P. 39A/1	I I	118 496
additional programmes				frequency tolerance	Rep. 181-2 S.P. 40A-1/1	I I	119 497
frequency-modulation sound broadcasting band 8 (VHF)	Q. 26-1/10	X	243	harmonic output power			
chain				ground wave field-strength of harmonics, radiated by antenna and feeder system, relation between	Rep. 532	I	338
stereophonic, audio-frequency parameters, tolerances	S.P. 15B/10	X	229	output power			
loss				automatic control of, HF fixed service	Q. 25/3	III	215
see under "transmission loss"				power			
sound and vision signals				carrier suppression and peak envelope power, acceptable intermodulation level, power components of an SSB emission as function of carrier suppression	Rep. 531	I	337
by time-division multiplex	Rep. 488-1	XII	136	relationships between peak envelope power, mean power and carrier power of a radio transmitter, definition	Rec. 326-2	I	270
sound channels				radio			
television transmissions with two or more sound channels, characteristics, FM-FM system, two-carrier system	Rep. 403-2	X	126	automatically controlling output power, Maritime Mobile Service	Q. 25/8	VIII	454
two, simultaneous, television, objective method of crosstalk measurement	S.P. 18A/10	X	234	definition	Rec. 325	I	269
sound or information channels							
television transmissions with two or more information channels, general fields of use, system requirements, system proposed	Rep. 621	X	139				
two or more, television	Q. 18-2/10 S.P. 18B-1/10	X X	233 234				
sound or information programmes							
two or more, simultaneous, frequency modulation sound broadcasting	S.P. 17A-1/10 Q. 17-2/10	X X	232 232				

transmitter (cont'd)

spurious emissions (radiations)
reduction of, by design of
transmitters and their output
coupling networks Rep. 326-1 I 161

television
phase correction necessitated
by use of vestigial-sideband
transmission Rec. 266 XI 87

transponder

harbour radar
identification Rep. 318 VIII 101

hard-limited
channel spacing plans, Aero-
nautical/Maritime Mobile-Sat-
ellite Services Rep. 510-1 VIII 295

quasi-linear
channel spacing plans, Aero-
nautical/Maritime Mobile-Sat-
ellite Services Rep. 510-1 VIII 296

shipborne
frequency requirements Q. 28/8 VIII 455

tropospheric refraction
see under "refraction"

U

UN Committee on the Peaceful Uses of Outer Space

satellite systems for Aeronau-
tical Mobile Service and Mari-
time Mobile Service S.P. 17A/8 VIII 446

unit

quantity of information
bit Rec. 166-1 XII 258

systems
international unit system,
(S.I.), rationalized form Rec. 430 XII 257

Universal Time (UT)

definition Rec. 460-1 VII 19

unperturbed orbit

satellite
definition Rep. 204-3 IV 18

unwanted emission

definition Rec. 328-3 I 295

up-paths and down-paths

Fixed-Sat. Service in Maritime
Mobile-Sat. Service
frequency band, characteris-
tics S.P. 2M/4 IV 315

U.R.S.I.

see under "International Un-
ion of Radio Science"

usable field strength (E_u)

broadcasting, bands 5 (LF) and
6 (MF)
definition Rec. 499-2 X 25

V

vehicle movement

across a cell boundary, Land
Mobile Service Rep. 319-3 VIII 193

vessels

Maritime Mobile-Satellite Ser-
vice
categories likely to participate Rep. 595 VIII 375

VHF equipment

Maritime Mobile Service
technical characteristics, chan-
nels spaced by 25 kHz Rec. 489 VIII 92

vocabulary

(see Section CMV B, Vo-
lume XII)

voice

channel
signal quality, Aeronautical
and Maritime Mobile-Satellite
Services Rep. 509-1 VIII 279

communication

techniques, theoretical com-
parison of, aeronautical and
maritime applications Rep. 597 VIII 385

VHF satellite tests Rep. 600 VIII 398

tests

balloon test, to simulate a
satellite Rep. 599 VIII 395

transmission performance

measures of: articulation
score, articulation index, mini-
mum interference thresholds,
speech quality Rep. 526 I 250

voice-frequency telegraphy

see under "HF telegraph sys-
tems"

W

wanted-to-interfering signal ratio

broadcasting, amplitude-modu-
lation, sound
definition Rec. 447 X 21

waveform

television signals, terminology Rep. 486-1 XII 66

wave-front incoherence

see under "propagation"

weather chart

see under "meteorological
chart"

wideband

satellite technique
Mobile-Satellite Service Rep. 507-1 VIII 275

wired distribution systems			WMO thunderstorm reports used for the measurement of atmospheric noise from lightning		
television signals					
performance and testing	Q. 31/11	XI 302		Rep. 254-3	VI 64
Working Group of Experts			facsimile transmissions black and white		
vocabulary	Rep. 441	XII 255		Q. 20-1/8	VIII 450
World Meteorological Organization (W.M.O.)			weather chart, Maritime Mobile Service		
facsimile transmission of meteorological charts	Rec. 343-1	III 129		Rep. 588	VIII 172
ionospheric forecast and disturbance warning service (URSI - IUWDS service)	Rep. 248-3	VI 27	First Global GARP Experiment (FGGE)		
				Rep. 395-2	II 162
multipath propagation effect on meteorological broadcast service	Rep. 203	III 49	Global Atmosphere Research Programme (GARP)		
				Rep. 395-2	II 162
remote control signal for facsimile transmissions	Rep. 201-1	III 158	meteorological charts facsimile transmissions		
				Op. 24	VIII 460
standardization of phototelegraph systems for use on combined radio and metallic circuits	Rec. 344-2	III 130	World Weather Watch		
				Rep. 395-2	II 162
			wow and flutter		
			measurement recording equipment and sound reproduction		
				Rec. 409-2	X 199

“Printed in Switzerland”

ISBN 92-61-00201-3