



通訊事務管理局辦公室
OFFICE OF THE
COMMUNICATIONS AUTHORITY

Hong Kong
Table of Frequency Allocations

April 2019

Office of the Communications Authority

Preface

This handbook contains the table of frequency allocations in accordance with the Region 3 allocations under the Radio Regulations which are applicable to Hong Kong, the allocations which have been adopted by Hong Kong, as well as the band plans in use in Hong Kong. This publication is intended to provide a handy reference for spectrum management, radiocommunications systems design, and other related areas of applications.

This handbook can be downloaded direct from the Office of the Communications Authority's Internet homepage at <http://www.ofca.gov.hk>. For further information, please contact the Spectrum Planning Section 1 of the Office of the Communications Authority ("OFCA") at the following address:

29/F, Wu Chung House,
213 Queen's Road East,
Wan Chai,
Hong Kong

Telephone No.: +852 2961 6615

Fax No.: +852 2803 5113

How to use this handbook

The information is given in table form.

The "REGION 3 ALLOCATION" column gives the overview of allocations in Region 3 on the basis of the Radio Regulations published by the International Telecommunication Union (ITU) incorporated with revisions in accordance with the Final Acts of all relevant World Radiocommunication Conferences, including WRC-15. For details of the frequency allocations in Region 3, reference should be made to the Article 5 of the Radio Regulations.

Allocations which have been changed by WRC-15 are marked by an asterisk "*". Allocations before and after the revision are given in Annex I.

The Communications Authority recognises the public interest in channel arrangements for fixed services and therefore intends to provide the information as far as possible. Fixed service marked by an "#" indicates that its channel arrangement is available in Annex II.

The table presentation is in line with the Radio Regulations. Where, in a box of the table in the "REGION 3 ALLOCATION" or "HONG KONG ALLOCATION" column, a band is indicated as allocated to more than one service, such services are listed in the following order :

- a. services the names of which are printed in "capitals" (example : FIXED) : these are called "primary" services;
- b. services the name of which are printed in "normal characters" (example: Mobile); these are called "secondary" services.

Additional remarks are printed in normal characters (example : Mobile except aeronautical mobile).

Stations of a secondary service shall not cause harmful interference to stations of primary services and cannot claim protection from harmful interference from stations of primary services.

The "HONG KONG ALLOCATION" column shows the allocations which have been adopted by Hong Kong. The "BAND PLAN AND EXISTING UTILISATION" column is intended to provide more details of existing band plan and utilisation as well as other available technical information. The "REMARKS" column shows the availability and utilisation status.

Supplementary information is given at the bottom of the page.

Hong Kong

Table of Frequency Allocations

Legend of the Remarks

Legend	Description
“A”	All radio emissions in this band are prohibited according to the Radio Regulations of the International Telecommunication Union. OFCA will not assign any frequency channels.
“B”	Frequency channels in this band can be re-used at different geographical locations or share-used by different users at the same geographical location. If vacant channels are available, the figure given in the corresponding “remarks” column indicates the percentage of the number of channels that are vacant. OFCA can assign the “assigned” frequency channels or “vacant” channels to new users.
“C”	Frequency channels in this band are reserved for Government use only. OFCA will not assign any frequency channels for non-Government services.
“D”	No vacant channel in this band is available for broadcasting services with a territory-wide coverage. Frequency channels are assigned to licensed operators only. Subject to technical feasibility study, frequency channels may be made available for improving the coverage of broadcasting services.
“E”	There is no vacant channel in this band. Further assignment of frequency channels cannot be made.
“F”	Some frequency channels in this band have been assigned on a temporary basis. Vacant channels may not be enough to meet the anticipated demand. The figure given in the corresponding “remarks” column indicates the percentage of the number of channels that are vacant.

Legend	Description
“G”	Frequency channels in this band can be re-used at different locations. Further assignments can be made on a case-by-case basis.
“H”	There is one vacant localised channel for broadcasting services in this band. The localised channel is limited to provide coverage at Shek Kong. Frequency channels are only assigned to licensed operators.
“I”	This band is not yet allocated to any services for the time being. Any interested user may raise a request to OFCA.
“J”	Frequency channels in this band are share-used by all users under the exemption orders or class licences.
“K”	All frequency channels in this band are vacant. OFCA can assign the vacant channels to new users.
“L”	The use of this band is shared by broadcasters worldwide. Frequency channels in this band are assigned to licensed broadcasters only, subject to frequency coordination with other jurisdictions according to the procedures in Article 12 of the Radio Regulations of the International Telecommunication Union.

kHz
3 - 90

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
BELOW 8.3 (Not allocated)	3 - 9 TO BE PLANNED	3 - 9 (a) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "J"
8.3 - 9 METEOROLOGICAL AIDS			
9 - 11.3 METEOROLOGICAL AIDS RADIONAVIGATION	9 - 14 RADIONAVIGATION	9 - 14 (a) Radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
11.3 - 14 RADIONAVIGATION			
14 - 19.95 FIXED MARITIME MOBILE	14 - 19.95 MARITIME MOBILE	14 - 19.95 (a) Maritime mobile (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "K" (b) See note "J"
19.95 - 20.05 STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)	19.95 - 20.05 STANDARD FREQUENCY AND TIME SIGNAL (SFT)	19.95 - 20.05 (a) Standard Frequency and Time Signal (SFT) (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "K" (b) See note "J"
20.05 - 70 FIXED MARITIME MOBILE	20.05 - 70 MARITIME MOBILE	20.05 - 70 (a) Maritime mobile (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "K" (b) See note "J"
70 - 72 RADIONAVIGATION Fixed Maritime mobile	70 - 90 RADIONAVIGATION	70 - 90 (a) Radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
72 - 84 FIXED MARITIME MOBILE RADIONAVIGATION			
84 - 86 RADIONAVIGATION Fixed Maritime mobile			
86 - 90 FIXED MARITIME MOBILE RADIONAVIGATION			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz
90 - 130

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
90 - 110 RADIONAVIGATION Fixed	90 - 130 RADIONAVIGATION	90 - 130 (a) Radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
110 - 112 FIXED MARITIME MOBILE RADIONAVIGATION			
112 - 117.6 RADIONAVIGATION Fixed Maritime mobile			
117.6 - 126 FIXED MARITIME MOBILE RADIONAVIGATION			
126 - 129 RADIONAVIGATION Fixed Maritime mobile			
129 - 130 FIXED MARITIME MOBILE RADIONAVIGATION			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz
130 - 285

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
130 - 135.7 FIXED MARITIME MOBILE RADIONAVIGATION	130 - 190 TO BE PLANNED	130 - 190 (a) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "J"
135.7 - 137.8 FIXED MARITIME MOBILE RADIONAVIGATION Amateur			
137.8 - 160 FIXED MARITIME MOBILE RADIONAVIGATION			
160 - 190 FIXED Aeronautical radionavigation			
190 - 200 AERONAUTICAL RADIONAVIGATION	190 - 285 AERONAUTICAL RADIONAVIGATION	190 - 195 (a) Aeronautical radionavigation (b) Telecommunications Apparatus [1] 3 - 195 kHz	(a) See note "C" (b) See note "J"
200 - 285 AERONAUTICAL RADIONAVIGATION Aeronautical mobile		195 - 285 (a) Aeronautical radionavigation	(a) See note "C"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz
285 - 415

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
285 - 315 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons)	285 - 325 MARITIME RADIONAVIGATION	285 - 325 (a) Maritime radionavigation	(a) See note "C"
315 - 325 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons)			
325 - 405 AERONAUTICAL RADIONAVIGATION Aeronautical mobile	325 - 415 AERONAUTICAL RADIONAVIGATION	325 - 415 (a) Aeronautical radionavigation	(a) See note "C"
405 - 415 RADIONAVIGATION Aeronautical mobile			

kHz
415 - 1606.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
415 - 472 MARITIME MOBILE Aeronautical radionavigation	415 - 526.5 MARITIME MOBILE	415 - 526.5 (a) Maritime mobile	(a) 93% of the frequency channels in the band are vacant.
472 - 479 MARITIME MOBILE Amateur Aeronautical radionavigation			
479 - 495 MARITIME MOBILE Aeronautical radionavigation			
495 - 505 MARITIME MOBILE			
505 - 526.5 MARITIME MOBILE AERONAUTICAL RADIONAVIGATION Aeronautical mobile Land mobile			
526.5 - 535 BROADCASTING Mobile	526.5 - 1606.5 BROADCASTING	526.5 - 1606.5 (a) Broadcasting	(a) See note "H"
535 - 1606.5 BROADCASTING			

kHz
1606.5 - 2000

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1606.5 - 1800 FIXED MOBILE RADIOLOCATION RADIONAVIGATION	1606.5 - 1800 LAND MOBILE RADIOLOCATION RADIONAVIGATION	1606.5 - 1800 (a) Radiolocation (b) Telecommunications Apparatus [1] 1627.5 - 1796.5 kHz	(a) See note "B" (b) See note "J"
1800 - 2000 AMATEUR FIXED MOBILE except aeronautical mobile RADIONAVIGATION Radiolocation	1800 - 2000 AMATEUR RADIONAVIGATION	1800 - 2000 (a) Amateur (b) Radionavigation	(a) See note "B" (b) See note "C"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz
2000 - 2495

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
2000 - 2065 FIXED MOBILE	2000 - 2495 MARITIME MOBILE	2000 - 2495 (a) Maritime mobile	(a) 75% of the frequency channels in the band are vacant.
2065 - 2107 MARITIME MOBILE			
2107 - 2170 FIXED MOBILE			
2170 - 2173.5 MARITIME MOBILE			
2173.5 - 2190.5 MOBILE (distress and calling)			
2190.5 - 2194 MARITIME MOBILE			
2194 - 2300 FIXED MOBILE			
2300 - 2495 FIXED MOBILE BROADCASTING			

kHz
2495 - 2850

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
2495 - 2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	2495 - 2505 STANDARD FREQUENCY AND TIME SIGNAL (SFT)	2495 - 2505 (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
2501 - 2502 STANDARD FREQUENCY AND TIME SIGNAL Space research			
2502 - 2505 STANDARD FREQUENCY AND TIME SIGNAL			
2505 - 2850 FIXED MOBILE	2505 - 2850 MARITIME MOBILE	2505 - 2850 (a) Maritime mobile	(a) See note "K"

kHz
2850 - 3400

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
2850 - 3025 AERONAUTICAL MOBILE (R)	2850 - 3200 AERONAUTICAL MOBILE	2850 - 3200 (a) Aeronautical mobile	(a) See note "B"
3025 - 3155 AERONAUTICAL MOBILE (OR)			
3155 - 3200 FIXED MOBILE except aeronautical mobile (R)			
3200 - 3230 FIXED MOBILE except aeronautical mobile (R) BROADCASTING	3200 - 3400 FIXED	3200 - 3400 (a) Fixed	(a) 67% of the frequency channels in the band are vacant.
3230 - 3400 FIXED MOBILE except aeronautical mobile BROADCASTING			

kHz
3400 - 4000

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
3400 - 3500 AERONAUTICAL MOBILE (R)	3400 - 3500 AERONAUTICAL MOBILE	3400 - 3500 (a) Aeronautical mobile	(a) See note "B"
3500 - 3900 AMATEUR FIXED MOBILE	3500 - 3900 AMATEUR MARITIME MOBILE	3500 - 3900 (a) Amateur (b) Maritime mobile	(a) See note "B" (b) 47% of the frequency channels in the band are vacant.
3900 - 3950 AERONAUTICAL MOBILE BROADCASTING	3900 - 3950 AERONAUTICAL MOBILE	3900 - 3950 (a) Aeronautical mobile	(a) See note "B"
3950 - 4000 FIXED BROADCASTING	3950 - 4000 TO BE PLANNED	3950 - 4000	See note "I"

kHz
4000 - 4650

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
4000 - 4063 FIXED MARITIME MOBILE	4000 - 4063 FIXED MARITIME MOBILE	4000 - 4063 (a) Maritime mobile	(a) See note "B"
4063 - 4438 MARITIME MOBILE	4063 - 4438 MARITIME MOBILE	4063 - 4438 (a) Maritime mobile	(a) See note "B"
4438 - 4488 FIXED MOBILE except aeronautical mobile Radiolocation	4438 - 4650 FIXED	4438 - 4650 (a) Fixed	(a) 80% of the frequency channels in the band are vacant.
4488 - 4650 FIXED MOBILE except aeronautical mobile			

kHz
4650 - 5005

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
4650 - 4700 AERONAUTICAL MOBILE (R)	4650 - 4750 AERONAUTICAL MOBILE	4650 - 4750 (a) Aeronautical mobile	(a) See note "B"
4700 - 4750 AERONAUTICAL MOBILE (OR)			
4750 - 4850 FIXED BROADCASTING Land mobile	4750 - 4995 FIXED	4750 - 4995 (a) Fixed	(a) 38% of the frequency channels in the band are vacant.
4850 - 4995 FIXED LAND MOBILE BROADCASTING			
4995 - 5003 STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)	4995 - 5005 STANDARD FREQUENCY AND TIME SIGNAL (SFT)	4995 - 5005 (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
5003 - 5005 STANDARD FREQUENCY AND TIME SIGNAL Space research			

kHz
5005 - 5480

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
5005 - 5060 FIXED BROADCASTING	5005 - 5351.5 FIXED	5005 - 5480 (a) Fixed (b) Amateur 5351.5 - 5366.5 kHz	(a) 68% of the frequency channels in the band are vacant. (b) See note "B"
5060 - 5250 FIXED Mobile except aeronautical mobile			
5250 - 5275 FIXED MOBILE except aeronautical mobile Radiolocation			
5275 - 5351.5 FIXED MOBILE except aeronautical mobile			
* 5351.5 - 5366.5 FIXED MOBILE except aeronautical mobile Amateur [1]			
5366.5 - 5450 FIXED MOBILE except aeronautical mobile			
5450 - 5480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE			

[1] Stations in the amateur service using the frequency band 5351.5 - 5366.5 kHz shall not exceed a maximum equivalent isotropically radiated power of 15 W.

kHz
5480 - 6765

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
5480 - 5680 AERONAUTICAL MOBILE (R)	5480 - 5730 AERONAUTICAL MOBILE	5480 - 5730 (a) Aeronautical mobile	(a) See note "B"
5680 - 5730 AERONAUTICAL MOBILE (OR)			
5730 - 5900 FIXED Mobile except aeronautical mobile (R)	5730 - 5950 FIXED	5730 - 5950 (a) Fixed	(a) 45% of the frequency channels in the band are vacant.
5900 - 5950 BROADCASTING [1]			
5950 - 6200 BROADCASTING	5950 - 6200 BROADCASTING	5950 - 6200 (a) Broadcasting	(a) See note "L"
6200 - 6525 MARITIME MOBILE	6200 - 6525 MARITIME MOBILE	6200 - 6525 (a) Maritime mobile	(a) See note "B"
6525 - 6685 AERONAUTICAL MOBILE (R)	6525 - 6765 AERONAUTICAL MOBILE	6525 - 6765 (a) Aeronautical mobile	(a) See note "B"
6685 - 6765 AERONAUTICAL MOBILE (OR)			

[1] The band 5900 - 5950 kHz may be used by stations in the fixed service and the mobile except aeronautical mobile (R) service, communicating only within the boundary of the country in which they are located.

kHz
6765 - 7300

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
6765 - 7000 FIXED MOBILE except aeronautical mobile (R) [1]	6765 - 6795 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	6765 - 6795 (a) Industrial, Scientific and Medical (ISM) Equipment	(a) See note "B"
	6795 - 7000 FIXED	6795 - 7000 (a) Fixed	(a) 26% of the frequency channels in the band are vacant.
7000 - 7100 AMATEUR AMATEUR-SATELLITE	7000 - 7100 AMATEUR AMATEUR-SATELLITE	7000 - 7100 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
7100 - 7200 AMATEUR	7100 - 7200 AMATEUR	7100 - 7200 (a) Amateur	(a) See note "B"
7200 - 7300 BROADCASTING	7200 - 7300 BROADCASTING	7200 - 7300 (a) Broadcasting	(a) See note "L"

[1] The band 6765 - 6795 kHz is designated for industrial, scientific and medical (ISM) applications.

kHz
7300 - 9995

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
7300 - 7450 BROADCASTING [1]	7300 - 8195 FIXED	7300 - 8195 (a) Fixed	(a) 70% of the frequency channels in the band are vacant.
7450 - 8100 FIXED MOBILE except aeronautical mobile (R)			
8100 - 8195 FIXED MARITIME MOBILE			
8195 - 8815 MARITIME MOBILE	8195 - 8815 MARITIME MOBILE	8195 - 8815 (a) Maritime mobile	(a) See note "B"
8815 - 8965 AERONAUTICAL MOBILE (R)	8815 - 9040 AERONAUTICAL MOBILE	8815 - 9040 (a) Aeronautical mobile	(a) See note "B"
8965 - 9040 AERONAUTICAL MOBILE (OR)			
9040 - 9305 FIXED	9040 - 9500 FIXED	9040 - 9500 (a) Fixed	(a) 88% of the frequency channels in the band are vacant.
9305 - 9355 FIXED Radiolocation			
9355 - 9400 FIXED			
9400 - 9500 BROADCASTING [2]			
9500 - 9900 BROADCASTING	9500 - 9900 BROADCASTING	9500 - 9900 (a) Broadcasting	(a) See note "L"
9900 - 9995 FIXED	9900 - 9995 FIXED	9900 - 9995 (a) Fixed	(a) 94% of the frequency vacant.

[1] The band 7300 - 7350 kHz may be used by stations in the fixed service and in the land mobile service, communicating only within the boundary of the country in which they are located.

[2] The band 9400 - 9500 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

kHz
9995 - 11175

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
9995 - 10003 STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz)	9995 - 10005 STANDARD FREQUENCY AND TIME SIGNAL (SFT)	9995 - 10005 (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
10003 - 10005 STANDARD FREQUENCY AND TIME SIGNAL Space research			
10005 - 10100 AERONAUTICAL MOBILE (R)	10005 - 10100 AERONAUTICAL MOBILE	10005 - 10100 (a) Aeronautical mobile	(a) See note "B"
10100 - 10150 FIXED Amateur	10100 - 10150 FIXED Amateur	10100 - 10150 (a) Fixed (b) Amateur	(a) 90% of the frequency channels in the band are vacant. (b) See note "B"
10150 - 11175 FIXED Mobile except aeronautical mobile (R)	10150 - 11175 FIXED	10150 - 11175 (a) Fixed	(a) 75% of the frequency channels in the band are vacant.

kHz
11175 - 13200

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
11175 - 11275 AERONAUTICAL MOBILE (OR)	11175 - 11400 AERONAUTICAL MOBILE	11175 - 11400 (a) Aeronautical mobile	(a) See note "B"
11275 - 11400 AERONAUTICAL MOBILE (R)			
11400 - 11600 FIXED	11400 - 11650 FIXED	11400 - 11650 (a) Fixed	(a) 98% of the frequency channels in the band are vacant.
11600 - 11650 BROADCASTING [1]			
11650 - 12050 BROADCASTING	11650 - 12050 BROADCASTING	11650 - 12050 (a) Broadcasting	(a) See note "L"
12050 - 12100 BROADCASTING [1]	12050 - 12230 FIXED	12050 - 12230 (a) Fixed	(a) 94% of the frequency channels in the band are vacant.
12100 - 12230 FIXED			
12230 - 13200 MARITIME MOBILE	12230 - 13200 MARITIME MOBILE	12230 - 13200 (a) Maritime mobile	(a) See note "B"

[1] The band 11600 - 11650 kHz and 12050 - 12100 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

kHz
13200 - 14250

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
13200 - 13260 AERONAUTICAL MOBILE (OR)	13200 - 13360 AERONAUTICAL MOBILE	13200 - 13360 (a) Aeronautical mobile	(a) See note "B"
13260 - 13360 AERONAUTICAL MOBILE (R)			
13360 - 13410 FIXED RADIO ASTRONOMY	13360 - 13553 FIXED	13360 - 13553 (a) Fixed	(a) 95% of the frequency channels in the band are vacant
13410 - 13450 FIXED Mobile except aeronautical mobile (R)			
13450 - 13550 FIXED Mobile except aeronautical mobile (R) Radiolocation			
13550 - 13570 FIXED Mobile except aeronautical mobile (R) [1]	13553 - 13567 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	13553 - 13567 (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [3]	(a) See note "B" (b) See note "J"
13570 - 13600 BROADCASTING [2]	13567 - 13600 FIXED	13567 - 13600 (a) Fixed	(a) 84% of the frequency channels in the band are vacant.
13600 - 13800 BROADCASTING	13600 - 13800 BROADCASTING	13600 - 13800 (a) Broadcasting	(a) See note "L"
13800 - 13870 BROADCASTING [2]	13800 - 14000 FIXED	13800 - 14000 (a) Fixed	(a) 97% of the frequency channels in the band are vacant
13870 - 14000 FIXED Mobile except aeronautical mobile (R)			
14000 - 14250 AMATEUR AMATEUR-SATELLITE	14000 - 14250 AMATEUR AMATEUR-SATELLITE	14000 - 14250 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"

[1] The band 13553 - 13567 kHz (centre frequency 13560 kHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

[2] The bands 13570 - 13600 kHz and 13800 - 13870 kHz may be used by stations in the fixed service and in the mobile except aeronautical mobile (R) service, communicating only within the boundary of the country in which they are located.

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

kHz
14250 - 17410

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
14250 - 14350 AMATEUR	14250 - 14350 AMATEUR	14250 - 14350 (a) Amateur	(a) See note "B"
14350 - 14990 FIXED Mobile except aeronautical mobile (R)	14350 - 14990 FIXED	14350 - 14990 (a) Fixed	(a) 93% of the frequency channels in the band are vacant.
14990 - 15005 STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz)	14990 - 15010 STANDARD FREQUENCY AND TIME SIGNAL (SFT)	14990 - 15010 (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
15005 - 15010 STANDARD FREQUENCY AND TIME SIGNAL Space research			
15010 - 15100 AERONAUTICAL MOBILE (OR)	15010 - 15100 AERONAUTICAL MOBILE	15010 - 15100 (a) Aeronautical mobile	(a) See note "B"
15100 - 15600 BROADCASTING	15100 - 15600 BROADCASTING	15100 - 15600 (a) Broadcasting	(a) See note "L"
15600 - 15800 BROADCASTING [1]	15600 - 16360 FIXED	15600 - 16360 (a) Fixed	(a) 53% of the frequency channels in the band are vacant.
15800 - 16100 FIXED			
16100 - 16200 FIXED Radiolocation			
16200 - 16360 FIXED			
16360 - 17410 MARITIME MOBILE	16360 - 17410 MARITIME MOBILE	16360 - 17410 (a) Maritime mobile	(a) See note "B"

[1] The band 15600 - 15800 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

kHz
17410 - 18900

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
17410 - 17480 FIXED	17410 - 17550 FIXED	17410 - 17550 (a) Fixed	(a) 96% of the frequency channels in the band are vacant.
17480 - 17550 BROADCASTING [1]			
17550 - 17900 BROADCASTING	17550 - 17900 BROADCASTING	17550 - 17900 (a) Broadcasting	(a) See note "L"
17900 - 17970 AERONAUTICAL MOBILE (R)	17900 - 18030 AERONAUTICAL MOBILE	17900 - 18030 (a) Aeronautical mobile	(a) See note "B"
17970 - 18030 AERONAUTICAL MOBILE (OR)			
18030 - 18052 FIXED	18030 - 18068 FIXED	18030 - 18068 (a) Fixed	(a) 86% of the frequency channels in the band are vacant.
18052 - 18068 FIXED Space research			
18068 - 18168 AMATEUR AMATEUR-SATELLITE	18068 - 18168 AMATEUR AMATEUR-SATELLITE	18068 - 18168 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
18168 - 18780 FIXED Mobile except aeronautical mobile	18168 - 18780 FIXED	18168 - 18780 (a) Fixed	(a) 78% of the frequency channels in the band are vacant.
18780 - 18900 MARITIME MOBILE	18780 - 18900 MARITIME MOBILE	18780 - 18900 (a) Maritime mobile	(a) See note "B"

[1] The band 17480 - 17550 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

kHz
18900 - 21924

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
18900 - 19020 BROADCASTING [1]	18900 - 19680 FIXED	18900 - 19680 (a) Fixed	(a) 98% of the frequency channels in the band are vacant.
19020 - 19680 FIXED			
19680 - 19800 MARITIME MOBILE	19680 - 19800 MARITIME MOBILE	19680 - 19800 (a) Maritime mobile	(a) See note "B"
19800 - 19990 FIXED	19800 - 19990 FIXED	19800 - 19990 (a) Fixed	(a) 97% of the frequency channels in the band are vacant.
19990 - 19995 STANDARD FREQUENCY AND TIME SIGNAL Space research	19990 - 20010 STANDARD FREQUENCY AND TIME SIGNAL (SFT)	19990 - 20010 (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
19995 - 20010 STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)			
20010 - 21000 FIXED Mobile	20010 - 21000 FIXED	20010 - 21000 (a) Fixed	(a) 78% of the frequency channels in the band are vacant.
21000 - 21450 AMATEUR AMATEUR-SATELLITE	21000 - 21450 AMATEUR AMATEUR-SATELLITE	21000 - 21450 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
21450 - 21850 BROADCASTING	21450 - 21850 BROADCASTING	21450 - 21850 (a) Broadcasting	(a) See note "L"
21850 - 21870 FIXED	21850 - 21924 FIXED	21850 - 21924	See note "K"
21870 - 21924 FIXED [2]			

[1] The band 18900 - 19020 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located.

[2] The band 21870 - 21924 kHz is used by the fixed service for provision of services related to aircraft flight safety.

kHz
21924 - 23350

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
21924 - 22000 AERONAUTICAL MOBILE (R)	21924 - 22000 AERONAUTICAL MOBILE	21924 - 22000 (a) Aeronautical mobile	(a) See note "B"
22000 - 22855 MARITIME MOBILE	22000 - 22855 MARITIME MOBILE	22000 - 22855 (a) Maritime mobile	(a) See note "B"
22855 - 23000 FIXED	22855 - 23200 FIXED	22855 - 23200 (a) Fixed	(a) 78% of the frequency channels in the band are vacant.
23000 - 23200 FIXED Mobile except aeronautical mobile (R)			
23200 - 23350 FIXED AERONAUTICAL MOBILE (OR)	23200 - 23350 TO BE PLANNED	23200 - 23350	See note "I"

kHz
23350 - 25070

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
23350 - 24000 FIXED MOBILE except aeronautical mobile	23350 - 24890 FIXED	23350 - 24890 (a) Fixed	(a) 80% of the frequency channels in the band are vacant.
24000 - 24450 FIXED LAND MOBILE			
24450 - 24600 FIXED LAND MOBILE Radiolocation			
24600 - 24890 FIXED LAND MOBILE			
24890 - 24990 AMATEUR AMATEUR-SATELLITE	24890 - 24990 AMATEUR AMATEUR-SATELLITE	24890 - 24990 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
24990 - 25005 STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)	24990 - 25010 STANDARD FREQUENCY AND TIME SIGNAL (SFT)	24990 - 25010 (a) Standard Frequency and Time Signal (SFT)	(a) See note "K"
25005 - 25010 STANDARD FREQUENCY AND TIME SIGNAL Space research			
25010 - 25070 FIXED MOBILE except aeronautical mobile	25010 - 25070 FIXED	25010 - 25070	See note "K"

kHz
25070 - 26175

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
25070 - 25210 MARITIME MOBILE	25070 - 25210 MARITIME MOBILE	25070 - 25210 (a) Maritime mobile	(a) See note "B"
25210 - 25550 FIXED MOBILE except aeronautical mobile	25210 - 25550 FIXED	25210 - 25550	See note "K"
25550 - 25670 RADIO ASTRONOMY	25550 - 25670 RADIO ASTRONOMY	25550 - 25670 (a) Radio astronomy	(a) See note "B"
25670 - 26100 BROADCASTING	25670 - 26100 BROADCASTING	25670 - 26100 (a) Broadcasting	(a) See note "L"
26100 - 26175 MARITIME MOBILE	26100 - 26175 MARITIME MOBILE	26100 - 26175 (a) Maritime mobile	(a) See note "B"

kHz
26175 - 29700

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
26175 - 26200 FIXED MOBILE except aeronautical mobile	26175 - 26957 FIXED	26175 - 26957 (a) Fixed	(a) 85% of the frequency channels in the band are vacant.
26200 - 26350 FIXED MOBILE except aeronautical mobile Radiolocation			
26350 - 27500 FIXED MOBILE except aeronautical mobile [1]	26957 - 27283 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) MOBILE except aeronautical mobile	26957 - 27283 (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [2] 26960 - 27280 kHz (c) Citizens Band Radio 26960 - 27410 kHz	(a) See note "B" (b) See note "J" (c) See note "J"
	27283 - 27500 FIXED MOBILE except aeronautical mobile	27283 - 27500 (a) Citizens Band Radio 26960 - 27410 kHz	(a) See note "J"
27500 - 28000 METEOROLOGICAL AIDS FIXED MOBILE	27500 - 28000 TO BE PLANNED	27500 - 28000	See note "I"
28000 - 29700 AMATEUR AMATEUR-SATELLITE	28000 - 29700 AMATEUR AMATEUR-SATELLITE	28000 - 29700 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"

[1] The band 26957 - 27283 kHz (centre frequency 27120 kHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
29.7- 33

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
29.7 - 30.005 FIXED MOBILE	29.7 - 31.7 FIXED MOBILE	29.7 - 30.005	See note "K"
30.005 - 30.01 SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH		30.005 - 30.01 (a) Satellite Identification	(a) See note "B"
30.01 - 33 FIXED MOBILE		30.01 - 31.7	See note "K"
	31.7 - 33 LAND MOBILE	31.7 - 32.5 (a) Mobile Radio Systems (Low Power) Single-frequency simplex 12.5 kHz channel spacing 5 W erp maximum (b) Demonstration Frequency 32.125 MHz 25 kHz channel spacing 25 W erp maximum	(a) 76% of the frequency channels in the band are vacant. (b) See note "B"
		32.5 - 33 (a) On-Site Paging 25 kHz channel spacing 5 W erp maximum	(a) 45% of the frequency channels in the band are vacant.

MHz
33 - 37.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
33 - 37.5 FIXED MOBILE	33 - 36.5 FIXED LAND MOBILE	33 - 36.5 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequencies 33.14 MHz 20 mW erp maximum 36.40 MHz 20 mW erp maximum 50 kHz channel spacing (c) Telecommunications Apparatus [1] 33 - 33.28 MHz, 35.145 - 35.225 MHz, 36.26 - 36.54 MHz, 36.41 - 36.69 MHz	(a) 57% of the frequency channels in the band are vacant. (b) See note "B" (c) See note "J"
	36.5 - 37 LAND MOBILE	36.5 - 37 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequencies 36.55 MHz 20 mW erp maximum 36.70 MHz 20 mW erp maximum 36.85 MHz 20 mW erp maximum (c) Telecommunications Apparatus [1] 36.26 - 36.54 MHz, 36.41 - 36.69 MHz, 36.71 - 36.99 MHz, 36.96 - 37.24 MHz	(a) See note "K" (b) See note "B" (c) See note "J"
	37 - 37.5 FIXED LAND MOBILE	37 - 37.5 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequency 37.10 MHz 20 mW erp maximum (c) Telecommunications Apparatus [1] 36.96 - 37.24 MHz	(a) See note "K" (b) See note "B" (c) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
37.5 - 45.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
37.5 - 38.25 FIXED MOBILE Radio astronomy	37.5 - 40.66 FIXED LAND MOBILE	37.5 - 40.66 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 89% of the frequency channels in the band are vacant.
38.25 - 39.5 FIXED MOBILE			
39.5 - 39.986 FIXED MOBILE RADIOLOCATION			
39.986 - 40 FIXED MOBILE RADIOLOCATION Space research			
40 - 40.02 FIXED MOBILE Space research			
40.02 - 40.98 FIXED MOBILE [1]	40.66 - 40.7 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	40.66 - 40.7 (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [2] (c) Wireless Microphone Frequency 40.68 MHz 20 mW erp maximum	(a) See note "B" (b) See note "J" (c) See note "B"
40.98 - 41.015 FIXED MOBILE Space research	40.7 - 45.5 FIXED LAND MOBILE	40.7 - 45.5 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequencies 42.89 MHz 20 mW erp maximum 44.87 MHz 20 mW erp maximum (c) Telecommunications Apparatus [2] 42.75 - 43.03 MHz, 43.71 - 44.49 MHz, 44.73 - 45.01 MHz (d) Cordless Helmet Communication Frequency 42.975 MHz	(a) 98% of the frequency channels in the band are vacant. (b) See note "B"
41.015 - 45.5 FIXED MOBILE			(c) See note "J" (d) See note "B"

[1] The band 40.66 - 40.70 MHz (centre frequency 40.68 MHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
45.5 - 50

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
45.5 - 47 FIXED MOBILE	45.5 - 47 LAND MOBILE	45.5 - 47 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Telecommunications Apparatus [1] 46.6 - 46.98 MHz	(a) 70% of the frequency channels in the band are vacant. (b) See note "J"
47 - 50 FIXED MOBILE BROADCASTING	47 - 48 FIXED LAND MOBILE	47 - 48 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequency 47.27 MHz 20 mW erp maximum (c) Telecommunications Apparatus [1] 47.13 - 47.41 MHz, 47.43 - 47.56 MHz	(a) 95% of the frequency channels in the band are vacant. (b) See note "B" (c) See note "J"
	48 - 50 LAND MOBILE	48 - 50 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Telecommunications Apparatus [1] 48.75 - 50 MHz	(a) 80% of the frequency channels in the band are vacant. (b) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
50 - 54

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
50 - 54 AMATEUR	50 - 51.5 AMATEUR	50 - 51.5 (a) Amateur	(a) See note "B"
	51.5 - 52.85 AMATEUR FIXED LAND MOBILE	51.5 - 52.85 (a) Government (b) Amateur 52.025 - 52.11 MHz	(a) See note "C" (b) See note "B"
	52.85 - 54 LAND MOBILE	52.85 - 54 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 76% of the frequency channels in the band are vacant.

MHz
54 - 70

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
54 - 68 FIXED MOBILE BROADCASTING	54 - 70 LAND MOBILE	54 - 66 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Wireless Microphone Frequency (Audio Aids Common Frequency) 55.5 MHz 20 mW erp maximum (c) Demonstration Frequency 55.6 MHz 25 kHz channel spacing 25 W erp maximum	(a) 92% of the frequency channels in the band are vacant. (b) See note "B" (c) See note "B"
		66 - 67.5 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 57% of the frequency channels in the band are vacant.
		67.5 - 70 (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 72.3 - 74.8 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 55% of the frequency channels in the band are vacant.
68 - 70 FIXED MOBILE			

MHz
70 - 76.7

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
70 - 74.8 FIXED MOBILE	70 - 71.5 FIXED LAND MOBILE	70 - 72.3 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Open Channel Frequencies (MHz), limited to Mobiles/Portables only 70.0500 70.0625 70.0750 70.0875 70.1000 70.1125 70.1250 12.5 kHz channel spacing 25 W erp maximum (c) Telecommunications Apparatus [1] 72 - 72.02 MHz, 72.12 - 72.14 MHz, 72.16 - 72.22 MHz, 72.26 - 72.28 MHz	(a) 33% of the frequency channels in the band are vacant. (b) See note "B"
	71.5 - 74.8 LAND MOBILE		(c) See note "J"
			72.3 - 74.8 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 67.5 - 70 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Demonstration Frequency 72.4 MHz 12.5 kHz channel spacing 25 W erp maximum
74.8 - 75.2 AERONAUTICAL RADIONAVIGATION	74.8 - 75.2 AERONAUTICAL RADIONAVIGATION	74.8 - 75.2 (a) Aeronautical radionavigation	(a) See note "C"
75.2 - 76.7 FIXED MOBILE	75.2 - 76.7 FIXED LAND MOBILE	75.2 - 76.7 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 15% of the frequency channels in the band are vacant.

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
76.7 - 87

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
76.7 - 87 FIXED MOBILE	76.7 - 84 LAND MOBILE	76.7 - 78.7 (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 81.2 - 83.2 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 70% of the frequency channels in the band are vacant.
		78.7 - 79.5 (a) Hill Top Repeater Two-frequency simplex (hilltop transmit) paired with 83.2 - 84 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 64% of the frequency channels in the band are vacant.
		79.5 - 80.55 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 89% of the frequency channels in the band are vacant.
		80.55 - 81.2 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 69% of the frequency channels in the band are vacant.
		81.2 - 83.2 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 76.7 - 78.7 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 70% of the frequency channels in the band are vacant.
		83.2 - 84 (a) Hill Top Repeater Two-frequency simplex (hilltop receive) paired with 78.7 - 79.5 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 64% of the frequency channels in the band are vacant.
	84 - 87 FIXED LAND MOBILE	84 - 87 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 99% of the frequency channels in the band are vacant.

MHz
87 - 108

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p>87 - 100 FIXED MOBILE BROADCASTING</p>	<p>87 - 108 BROADCASTING</p>	<p>87 - 108 (a) FM Sound Broadcasting</p>	<p>(a) See note "D"</p>
<p>100 - 108 BROADCASTING</p>			

MHz
108 - 137

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
108 - 117.975 AERONAUTICAL RADIONAVIGATION [1]	108 - 117.975 AERONAUTICAL RADIONAVIGATION	108 - 117.975 (a) Aeronautical radionavigation	(a) See note "C"
117.975 - 137 AERONAUTICAL MOBILE (R)	117.975 - 137 AERONAUTICAL MOBILE	117.975 - 137 (a) Aeronautical mobile (b) Search and Rescue (121.5 MHz)	(a) 93% of the frequency channels in the band are vacant. (b) See note "B"

[1] The band 108 - 117.975 MHz is also allocated to the aeronautical mobile (R) service on a primary basis, limited to systems operating in accordance with recognised international aeronautical standards.

MHz
137 - 138

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p>137 - 137.025 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)</p>	<p>137 - 138 METEOROLOGICAL-SATELLITE (space-to-Earth)</p>	<p>137 - 138 (a) Meteorological-satellite</p>	<p>(a) See note "B"</p>
<p>137.025 - 137.175 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) Mobile except aeronautical mobile (R)</p>			
<p>137.175 - 137.825 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)</p>			
<p>137.825 - 138 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) Mobile except aeronautical mobile (R)</p>			

MHz
138 - 143

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS													
138 - 143 FIXED MOBILE Space research (space-to-Earth)	138 - 143 LAND MOBILE	138 - 142 (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 150.75 - 154.75 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 150.75 - 154.75 MHz 12.5 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) <table style="margin-left: 40px; border-collapse: collapse;"> <tr> <td>151.4000 / 138.6500</td> <td>152.3625 / 139.6125</td> <td>152.3875 / 139.6375</td> </tr> <tr> <td>153.0125 / 140.2625</td> <td>153.3625 / 140.6125</td> <td>153.3750 / 140.6250</td> </tr> <tr> <td>153.4125 / 140.6625</td> <td>153.4750 / 140.7250</td> <td>153.5500 / 140.8000</td> </tr> <tr> <td>153.6250 / 140.8750</td> <td>153.8125 / 141.0625</td> <td>153.9000 / 141.1500</td> </tr> </table>	151.4000 / 138.6500	152.3625 / 139.6125	152.3875 / 139.6375	153.0125 / 140.2625	153.3625 / 140.6125	153.3750 / 140.6250	153.4125 / 140.6625	153.4750 / 140.7250	153.5500 / 140.8000	153.6250 / 140.8750	153.8125 / 141.0625	153.9000 / 141.1500	(a) 41% of the frequency channels in the band are vacant. (b) See note "B"	
		151.4000 / 138.6500	152.3625 / 139.6125	152.3875 / 139.6375												
		153.0125 / 140.2625	153.3625 / 140.6125	153.3750 / 140.6250												
153.4125 / 140.6625	153.4750 / 140.7250	153.5500 / 140.8000														
153.6250 / 140.8750	153.8125 / 141.0625	153.9000 / 141.1500														
142 - 142.8 (a) Government	(a) See note "C"															
142.8 - 143 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 1 W erp maximum (b) Common Channel Frequencies for Portable Systems (MHz) <table style="margin-left: 40px; border-collapse: collapse;"> <tr> <td>142.8250</td> <td>142.8375</td> <td>142.8500</td> <td>142.8625</td> <td>142.8750</td> </tr> <tr> <td>142.8875</td> <td>142.9000</td> <td>142.9125</td> <td>142.9250</td> <td>142.9500</td> </tr> <tr> <td>142.9625</td> <td>142.9750</td> <td>142.9875</td> <td></td> <td></td> </tr> </table> 12.5 kHz channel spacing 1 W erp maximum	142.8250	142.8375	142.8500	142.8625	142.8750	142.8875	142.9000	142.9125	142.9250	142.9500	142.9625	142.9750	142.9875			(a) See note "B" (b) See note "B"
142.8250	142.8375	142.8500	142.8625	142.8750												
142.8875	142.9000	142.9125	142.9250	142.9500												
142.9625	142.9750	142.9875														

MHz
143 - 144

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
143 - 143.6 FIXED MOBILE Space research (space-to-Earth)	143 - 143.6 LAND MOBILE	143 - 143.6 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 148 - 148.6 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 148 - 148.6 MHz 12.5 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 143.0625 / 148.0625 143.1000 / 148.1000	(a) 64% of the frequency channels in the band are vacant. (b) See note "B"
143.6 - 143.65 FIXED MOBILE SPACE RESEARCH (space-to-Earth)	143.6 - 144 LAND MOBILE Space research (space-to-Earth)	143.6 - 143.65 (a) Space research (space-to-Earth)	(a) See note "B"
143.65 - 144 FIXED MOBILE Space research (space-to-Earth)		143.65 - 144 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 1 W erp maximum (b) Common Channel Frequencies for Portable Systems (MHz) 143.8375 143.8750 143.9125 143.9250 143.9375 143.9625 143.9875 12.5 kHz channel spacing 1 W erp maximum	(a) 17% of the frequency channels in the band are vacant. (b) See note "B"

MHz
144 - 148.6

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
144 - 146 AMATEUR AMATEUR-SATELLITE	144 - 146 AMATEUR AMATEUR-SATELLITE	144 - 146 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
146 - 148 AMATEUR FIXED MOBILE	146 - 149.9 LAND MOBILE	146 - 148 (a) Government	(a) See note "C"
148 - 148.6 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) [1]		148 - 148.6 (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 143 - 143.6 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 143 - 143.6 MHz 12.5 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 143.0625 / 148.0625 143.1000 / 148.1000	(a) 64% of the frequency channels in the band are vacant. (b) See note "B"

[1] The band 148 - 149.9 MHz is also allocated to the space operation (Earth-to-space) service on a primary basis.

MHz
148.6 - 150.05

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
148.6 - 149.9 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) [1]	148.6 - 149.9 LAND MOBILE	148.6 - 148.65 (a) Common Channel Frequencies for Portable Systems (MHz) 148.6125 Digital modulation 12.5 kHz channel spacing 1 W erp maximum	(a) See note "B"
		148.65 - 149.9 (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 154.75 - 156 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Open Channel Frequencies (MHz), limited to Mobiles/Portables only 149.3375 149.3500 149.3625 149.3750 149.3875 149.4000 149.4125 149.4250 149.4375 149.4500 149.4625 149.4750 149.4875 149.5375 149.5500 12.5 kHz channel spacing 25 W erp maximum (c) Common Channel Frequencies for Portable Systems (MHz) 149.0250 149.0375 149.0500 149.2750 149.3000 149.3125 149.3250 149.5000 149.5250 149.7625 149.7750 149.7875 12.5 kHz channel spacing 1 W erp maximum	(a) 50% of the frequency channels in the band are vacant. (b) See note "B" (c) See note "B"
* 149.9 - 150.05 MOBILE-SATELLITE (Earth-to-space)	149.9 - 150.05 TO BE PLANNED	149.9 - 150.05	See note "I"

[1] The band 148 - 149.9 MHz is also allocated to the space operation (Earth-to-space) service on a primary basis.

MHz
150.05 - 158

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS												
150.05 - 156.4875 FIXED MOBILE	150.05 - 156 LAND MOBILE	150.05 - 150.75 (a) Government	(a) See note "C"												
		150.75 - 154.75 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 138 - 142 MHz 12.5 kHz channel spacing, 25 W erp maximum (b) Mobile Radio Systems On-site repeater systems paired with 138 - 142 MHz 12.5 kHz channel spacing , 1W erp maximum Frequencies :- Base transmit / Base receive (MHz) <table style="margin-left: 40px; border: none;"> <tr> <td>151.4000 / 138.6500</td> <td>152.3625 / 139.6125</td> <td>152.3875 / 139.6375</td> </tr> <tr> <td>153.0125 / 140.2625</td> <td>153.3625 / 140.6125</td> <td>153.3750 / 140.6250</td> </tr> <tr> <td>153.4125 / 140.6625</td> <td>153.4750 / 140.7250</td> <td>153.5500 / 140.8000</td> </tr> <tr> <td>153.6250 / 140.8750</td> <td>153.8125 / 141.0625</td> <td>153.9000 / 141.1500</td> </tr> </table>	151.4000 / 138.6500	152.3625 / 139.6125	152.3875 / 139.6375	153.0125 / 140.2625	153.3625 / 140.6125	153.3750 / 140.6250	153.4125 / 140.6625	153.4750 / 140.7250	153.5500 / 140.8000	153.6250 / 140.8750	153.8125 / 141.0625	153.9000 / 141.1500	(a) 41% of the frequency channels in the band are vacant. (b) See note "B"
		151.4000 / 138.6500	152.3625 / 139.6125	152.3875 / 139.6375											
153.0125 / 140.2625	153.3625 / 140.6125	153.3750 / 140.6250													
153.4125 / 140.6625	153.4750 / 140.7250	153.5500 / 140.8000													
153.6250 / 140.8750	153.8125 / 141.0625	153.9000 / 141.1500													
154.75 - 156 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 148.65 - 149.9 MHz 12.5 kHz channel spacing, 25 W erp maximum (b) Demonstration frequency (155.9 MHz) 12.5 kHz channel spacing, 25 W erp maximum	(a) 50% of the frequency channels in the band are vacant. (b) See note "B"														
156.4875 - 156.5625 MARITIME MOBILE (distress and calling via DSC)	156 - 158 MARITIME MOBILE	156 - 157.45 (a) Hague Plan 25 kHz channel spacing 25 W erp maximum	(a) See note "B"												
156.5625 - 156.7625 FIXED MOBILE															
156.7625 - 156.7875 MARITIME MOBILE Mobile-satellite (Earth-to-space)															
156.7875 - 156.8125 MARITIME MOBILE (distress and calling)															
156.8125 - 156.8375 MARITIME MOBILE Mobile-satellite (Earth-to-space)															
156.8375 - 158 FIXED MOBILE															
		157.45 - 158 (a) Maritime mobile (private channels) 25 kHz channel spacing 25 W erp maximum	(a) 40% of the frequency channels in the band are vacant.												

MHz
158 - 161.475

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
158 - 161.475 FIXED MOBILE	158 - 160.6 LAND MOBILE MARITIME MOBILE	158 - 158.825 (a) Mobile Radio Systems (marine fleet) Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum (b) Maritime mobile (private channels) 25 kHz channel spacing 25 W erp maximum	(a)&(b) 65% of the frequency channels in the band are vacant.
		158.825 - 159.3875	See note "K"
		159.3875 - 160.6 (a) Mobile Radio Systems (marine fleet) Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 59% of the frequency channels in the band are vacant.
	160.6 - 161.475 MARITIME MOBILE	160.6 - 160.975 (a) Hague Plan 25 kHz channel spacing 25 W erp maximum	(a) See note "B"
		160.975 - 161.475	See note "K"

MHz
161.475 - 163

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
161.475 - 161.9375 FIXED MOBILE	161.475 - 161.9375 MARITIME MOBILE	161.475 - 162.05 (a) Hague Plan 25 kHz channel spacing 25 W erp maximum (b) Maritime mobile-satellite 161.9375 - 161.9625 MHz 161.9875 - 162.0125 MHz	(a)&(b) See note "B"
* 161.9375 - 161.9625 FIXED MOBILE Maritime mobile-satellite (Earth-to-space) [1]	161.9375 - 161.9625 MARITIME MOBILE Maritime mobile-satellite (Earth-to-space)		
161.9625 - 161.9875 MARITIME MOBILE Aeronautical mobile (OR) Mobile-satellite (Earth-to-space)	161.9625 - 161.9875 MARITIME MOBILE		
* 161.9875 - 162.0125 FIXED MOBILE Maritime mobile-satellite (Earth-to-space) [1]	161.9875 - 162.0125 MARITIME MOBILE Maritime mobile-satellite (Earth-to-space)		
162.0125 - 162.0375 MARITIME MOBILE Aeronautical mobile (OR) Mobile-satellite (Earth-to-space)	162.0125 - 163 MARITIME MOBILE		
162.0375 - 163 FIXED MOBILE			

[1] Use of the frequency bands 161.9375 - 161.9625 MHz and 161.9875 - 162.0125 MHz by the maritime mobile-satellite (Earth-to-space) service is limited to systems which operate in accordance with Appendix 18 of the Radio Regulations.

MHz
163 - 174

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
163 - 174 FIXED MOBILE	163 - 174 LAND MOBILE	163 - 165 (a) Government	(a) See note "C"
		165 - 167.5 (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 169.5 - 172 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 75% of the frequency channels in the band are vacant.
		167.5 - 168.5 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 47% of the frequency channels in the band are vacant.
		168.5 - 169.5 (a) Mobile Radio Systems Single-frequency simplex 12.5 kHz channel spacing 25 W erp maximum	(a) 76% of the frequency channels in the band are vacant.
		169.5 - 172 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 165 - 167.5 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 75% of the frequency channels in the band are vacant.
		172 - 173 (a) Public Paging 25 kHz channel spacing 25 W erp maximum	(a) 67% of the frequency channels in the band are vacant.
		173 - 174 (a) Government (b) Telecommunications Apparatus [1] 173.96 - 174.24 MHz	(a) See note "C" (b) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
174 - 184

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
174 - 184 FIXED MOBILE BROADCASTING	174 - 184 FIXED LAND MOBILE	174 - 175 (a) Wireless Microphones 75 kHz channel spacing 20 mW erp maximum (b) Telecommunications Apparatus [1] 173.96 - 174.24 MHz	(a) See note "B" (b) See note "J"
		175 - 175.5 (a) Common Channel Frequencies for Portable Systems (MHz) 175.3750 175.3875 175.4000 175.4125 175.4250 175.4375 175.4500 175.4625 175.4750 175.4875 12.5 kHz channel spacing 1 W erp maximum	(a) See note "B"
		175.5 - 176.5 (a) Fixed Paired with 180.5 - 181.5 MHz 25 kHz channel spacing	(a) See note "G"
		176.5 - 182.5 (a) Community Repeater Two-frequency simplex (repeater transmit) paired with 191.5 - 197.5 MHz 12.5 kHz channel spacing 25 W erp maximum (b) Fixed 180.5 - 181.5 MHz paired with 175.5 - 176.5 MHz 25 kHz channel spacing (c) Demonstration Frequency 179.7875 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 84% of the frequency channels in the band are vacant. (b) See note "G" (c) See note "B"
		182.5 - 184	See note "K"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
184 - 235

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
184 - 223 FIXED MOBILE BROADCASTING	184 - 197.5 FIXED LAND MOBILE	184 - 191.5 (a) Low Power Telemetry Systems (b) Studio Wireless Intercommunication Service 184 - 185.4 MHz (c) Telecommunications Apparatus 187.5 - 188 MHz [1]	(a) See note "B" (b) See note "B" (c) See note "J"
		191.5 - 197.5 (a) Community Repeater Two-frequency simplex (repeater receive) paired with 176.5 - 182.5 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 84% of the frequency channels in the band are vacant.
	197.5 - 215 TO BE PLANNED	197.5 - 215	See note "I"
	215 - 216 FIXED MOBILE	215 - 216 (a) Studio and Outside Broadcast (OB) Links	(a) 77% of the frequency channels in the band are vacant.
	216 - 223 BROADCASTING FIXED MOBILE	216 - 223	See note "K"
223 - 230 FIXED MOBILE BROADCASTING AERONAUTICAL RADIONAVIGATION Radiolocation	223 - 235 FIXED MOBILE	223 - 235 (a) Mobile Radio Systems Two-frequency simplex 226.5 - 227.4875 MHz paired with 233.5 - 234.4875 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 82% of the frequency channels in the band are vacant.
230 - 235 FIXED MOBILE AERONAUTICAL RADIONAVIGATION		Single-frequency simplex 228 - 229.7375 MHz 12.5 kHz channel spacing 25 W erp maximum	

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
235 - 335.4

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
235 - 267 FIXED MOBILE	235 - 322 FIXED MOBILE	235 - 239	See note "K"
267 - 272 FIXED MOBILE Space operation (space-to-Earth) [1]		239 - 279 (a) Government (b) Search and Rescue (243 MHz) (c) Telecommunications Apparatus [2] 253.85 - 255 MHz paired with 380.2 - 381.325 MHz, 266.75 - 267.25 MHz	(a) See note "C" (b) See note "B" (c) See note "J"
272 - 273 SPACE OPERATION (space-to-Earth) FIXED MOBILE		279 - 281 (a) Public Paging 25 kHz channel spacing 100 W erp maximum	(a) 40% of the frequency channels in the band are vacant.
273 - 312 FIXED MOBILE		281 - 311.3 (a) Government	(a) See note "C"
312 - 315 FIXED MOBILE Mobile-satellite (Earth-to-space)		311.3 - 322 (a) Telecommunications Apparatus [2] 313.75 - 314.25 MHz, 314.75 - 315.25 MHz	(a) See note "J"
315 - 322 FIXED MOBILE			
322 - 328.6 FIXED MOBILE RADIO ASTRONOMY	322 - 328.6 TO BE PLANNED	322 - 328.6	See note "I"
328.6 - 335.4 AERONAUTICAL RADIONAVIGATION	328.6 - 335.4 AERONAUTICAL RADIONAVIGATION	328.6 - 335.4 (a) Aeronautical radionavigation	(a) See note "C"

[1] The band 267 - 272 MHz may be used for space telemetry on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
335.4 - 402

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
335.4 - 387 FIXED MOBILE	335.4 - 399.9 FIXED MOBILE	335.4 - 399.9 (a) Government 335.4 - 361 MHz, 366 - 381.325 MHz, 382.65 - 399.9 MHz (b) Mobile Radio Systems 361 - 366 MHz Single-frequency simplex 25 kHz channel spacing (c) Mobile Radio Systems 381.325 - 382.65 MHz Single-frequency simplex 25 kHz channel spacing (d) Telecommunications Apparatus [1] 380.2 - 381.325 MHz paired with 253.85 - 255 MHz	(a) See note "C" (b) 95% of the frequency channels in the band are vacant. (c) 50% of the frequency channels in the band are vacant. (d) See note "J"
387 - 390 FIXED MOBILE Mobile-satellite (space-to-Earth)			
390 - 399.9 FIXED MOBILE			
* 399.9 - 400.05 MOBILE-SATELLITE (Earth-to-space)	399.9 - 400.05 TO BE PLANNED	399.9 - 400.05	See note "I"
400.05 - 400.15 STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)	400.05 - 400.15 STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE	400.05 - 400.15 (a) Standard frequency and time signal-satellite	(a) See note "K"
400.15 - 401 METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Space operation (space-to-Earth)	400.15 - 401 METEOROLOGICAL AIDS	400.15 - 402 (a) Meteorological aids (Radiosonde)	(a) See note "C"
401 - 402 METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
402 - 430

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
402 - 403 METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile	402 - 403 METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Mobile except aeronautical mobile	402 - 406 (a) Meteorological aids (Radiosonde) (b) Medical Implant Communication System 402 - 405 MHz	(a) See note "C" (b) See note "J"
403 - 406 METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile	403 - 405 METEOROLOGICAL AIDS Mobile except aeronautical mobile		
	405 - 406 METEOROLOGICAL AIDS		
406 - 406.1 MOBILE-SATELLITE (Earth-to-space)	406 - 406.1 MOBILE-SATELLITE (Earth-to-space)	406 - 406.1 (a) Emergency Position Indicating Radio Beacon (EPIRB)	(a) See note "B"
406.1 - 410 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY	406.1 - 430 FIXED LAND MOBILE	406.1 - 430 (a) Government (b) Telecommunications Apparatus [1] 409.74 - 410 MHz	(a) See note "C" (b) See note "J"
410 - 420 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space)			
420 - 430 FIXED MOBILE except aeronautical mobile Radiolocation			

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
430 - 458.85

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
430 - 432 RADIOLOCATION Amateur	430 - 440 RADIOLOCATION Amateur	430 - 440 (a) Amateur 430 - 431 MHz, 435 - 440 MHz (b) Amateur-satellite 435 - 438 MHz (c) Short Range Device 433 - 434.79 MHz	(a) See note "B"
432 - 438 RADIOLOCATION Amateur Earth exploration-satellite (active) [1]			(b) See note "B"
438 - 440 RADIOLOCATION Amateur			(c) See note "J"
440 - 450 FIXED MOBILE except aeronautical mobile Radiolocation	440 - 458.85 LAND MOBILE	440 - 450 (a) Mobile Radio Systems Two-frequency simplex 447 - 450 MHz (base transmit) paired with 440 - 443 MHz 12.5 kHz/25 kHz channel spacing Single-frequency simplex 443 - 447 MHz 12.5 kHz/25 kHz channel spacing (b) Mobile Radio Systems On-site repeater systems 440 - 442 MHz paired with 448 - 450 MHz 12.5 kHz/25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 440.0250 / 448.1250 440.0500 / 448.1500 440.1250 / 448.2250 440.2500 / 448.3500 440.4750 / 448.6750 448.1500 / 440.0500 448.3500 / 440.2500 448.7750 / 440.6750 449.1250 / 441.1250	(a) 59% of the frequency channels in the band are vacant.
450 - 458.85 FIXED MOBILE [2]			(b) See note "B"
		450 - 458.85 (a) Mobile Radio Systems Single-frequency simplex 25 kHz channel spacing [2]	(a) 82% of the frequency channels in the band are vacant.

[1] Amateur-satellite service may operate in 435 - 438 MHz subject to not causing harmful interference to other services operating in accordance with this Table.

[2] Use of the frequency bands 457.5125 - 457.5875 MHz and 467.5125 - 467.5875 MHz by the maritime mobile service is limited to on-board communication stations. The characteristics of the equipment and the channelling arrangement shall be in accordance with Recommendation ITU-R M.1174-3.

MHz
458.85 - 460

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
458.85 - 460 FIXED MOBILE	458.85 - 460 LAND MOBILE	458.85 - 459 (a) On-site Paging Frequencies (MHz) :- 458.850 458.875 458.900 458.925 458.950 458.975 25 kHz channel spacing 2 W erp maximum	(a) See note "G"
		459 - 459.5 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 464 - 464.5 MHz 25 kHz channel spacing (b) Mobile Radio Systems On-site repeater systems paired with 464 - 464.5 MHz 25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 459.3250 / 464.3250 459.4000 / 464.4000 459.4250 / 464.4250 459.4750 / 464.4750	(a) 30% of the frequency channels in the band are vacant. (b) See note "B"
		459.5 - 460 (a) Government	(a) See note "C"

MHz
460 - 465

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
460 - 465 FIXED MOBILE Meteorological-satellite (space-to-Earth)	460 - 465 LAND MOBILE	460 - 464 (a) Mobile Radio Systems Single-frequency simplex 25 kHz channel spacing (b) Common Channel Frequencies for Portable Systems (MHz) 460.850 462.850 462.925 463.100 463.375 463.400 25 kHz channel spacing 1 W erp maximum 460.625 Digital modulation 12.5 kHz channel spacing 1 W erp maximum	(a) 39% of the frequency channels in the band are vacant. (b) See note "B"
		464 - 465 (a) Mobile Radio Systems Two-frequency simplex 464 - 464.5 MHz (base receive) paired with 459 - 459.5 MHz 25 kHz channel spacing Single-frequency simplex 25 kHz channel spacing (b) Mobile Radio Systems On-site repeater systems 464 - 464.5 MHz paired with 459 - 459.5 MHz 25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 459.3250 / 464.3250 459.4000 / 464.4000 459.4250 / 464.4250 459.4750 / 464.4750	(a) 30% of the frequency channels in the band are vacant. (b) See note "B"

MHz
465 - 470

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
465 - 470 FIXED MOBILE Meteorological-satellite (space-to-Earth) [1]	465 - 470 LAND MOBILE	465 - 465.5 (a) Mobile Radio Systems Two-frequency simplex (base receive) paired with 469.5 - 470 MHz 25 kHz channel spacing (b) Mobile Radio Systems On-site repeater systems paired with 469 - 469.5 MHz 25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 469.1250 / 465.1250 469.1750 / 465.1750 469.2000 / 465.2000 469.3750 / 465.3750 (c) Demonstration Frequency (465.5 MHz) 25 kHz channel spacing 25 W erp maximum	(a) 5% of the frequency channels in the band are vacant. (b) See note "B" (c) See note "B"
		465.5 - 469.5 (a) Mobile Radio Systems 25 kHz channel spacing [1] (b) Mobile Radio Systems On-site repeater systems 469 - 469.5 MHz paired with 465 - 465.5 MHz 25 kHz channel spacing 1 W erp maximum Frequencies :- Base transmit / Base receive (MHz) 469.1250 / 465.1250 469.1750 / 465.1750 469.2000 / 465.2000 469.3750 / 465.3750	(a) 35% of the frequency channels in the band are vacant. (b) See note "B"
		469.5 - 470 (a) Mobile Radio Systems Two-frequency simplex (base transmit) paired with 465 - 465.5 MHz 25 kHz channel spacing	(a) 5% of the frequency channels in the band are vacant.

[1] Use of the frequency bands 457.5125 - 457.5875 MHz and 467.5125 - 467.5875 MHz by the maritime mobile service is limited to on-board communication stations. The characteristics of the equipment and the channelling arrangement shall be in accordance with Recommendation ITU-R M.1174-3.

MHz
470 - 806

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
470 - 585 FIXED MOBILE BROADCASTING	470 - 678 BROADCASTING	470 - 806 (a) Television Broadcasting except 678 - 686 MHz Transmission standard: PAL-I (analogue format) and National Standard GB20600-2006 (digital format) 8 MHz channel spacing (b) UHF Wireless Microphone 479 - 565 MHz 20 mW erp maximum Bandwidth 330 kHz (c) Broadcast-type Mobile TV Services 678 - 686 MHz	(a) See note "D"
585 - 610 FIXED MOBILE BROADCASTING RADIONAVIGATION			(b) See note "B"
610 - 806 FIXED MOBILE BROADCASTING	678 - 686 BROADCASTING MOBILE		(c) See note "E"
	686 - 798 BROADCASTING		
	798 - 806 BROADCASTING MOBILE		

MHz
806 - 837.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
806 - 837.5 FIXED MOBILE BROADCASTING [1]	806 - 837.5 LAND MOBILE	806 - 818 (a) Conventional or Trunked Mobile Radio System & Mobile Data Systems 806 - 818 MHz (repeater receive) paired with 851 - 863 MHz 25 kHz channel spacing 100 W erp maximum	(a) 26% of the frequency channels in the band are vacant.
		818 - 819.1 (a) Cross-Border Trunked Radio Systems 818 - 819.1 MHz (repeater receive) paired with 863 - 864.1 MHz 25 kHz channel spacing 100 W erp maximum	(a) 54% of the frequency channels in the band are vacant.
		819.1 - 825 (a) Telecommunications Apparatus [2] 819.1 - 823.1 MHz (b) Two-Way Paging 823.7 - 824 MHz (base receive) paired with 868.7 - 869 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) See note "J" (b) 33% of the frequency channels in the band are vacant.
		825 - 832.5 (a) Public Mobile Telecommunications Services 825 - 832.5 MHz (base receive) paired with 870 - 877.5 MHz (CDMA2000)	(a) See note "E"
		832.5 - 837.5 (a) Public Mobile Telecommunications Services 832.5 - 837.5 MHz (base receive) paired with 877.5 - 882.5 MHz	(a) See note "E"

[1] The band 806 - 890 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
837.5 - 870

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
837.5 - 870 FIXED MOBILE BROADCASTING [1]	837.5 - 870 LAND MOBILE	837.5 - 851	See note "K"
		851 - 863 (a) Conventional or Trunked Mobile Radio Systems & Mobile Data Systems 851 - 863 MHz (repeater transmit) paired with 806 - 818 MHz 25 kHz channel spacing 100 W erp maximum	(a) 26% of the frequency channels in the band are vacant.
		863 - 864.1 (a) Cross-Border Trunked Radio System 863 - 864.1 MHz (repeater transmit) paired with 818 - 819.1 MHz 25 kHz channel spacing 100 W erp maximum	(a) 54% of the frequency channels in the band are vacant.
		864.1 - 868.1 (a) Telecommunications Apparatus [2] 864.1 - 868.1 MHz 865 - 868 MHz	(a) See note "J"
		868.1 - 870 (a) Two-Way Paging 868.7 - 869 MHz (base transmit) paired with 823.7 - 824 MHz 12.5 kHz channel spacing 25 W erp maximum	(a) 33% of the frequency channels in the band are vacant.

[1] The band 806 - 890 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
870 - 925

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
870 - 890 FIXED MOBILE BROADCASTING [1]	870 - 925 LAND MOBILE	870 - 877.5 (a) Public Mobile Telecommunications Services 870 - 877.5 MHz (base transmit) paired with 825 - 832.5 MHz (CDMA2000)	(a) See note "E"
		877.5 - 885 (a) Public Mobile Telecommunications Services 877.5 - 882.5 MHz (base transmit) paired with 832.5 - 837.5 MHz (b) Government 882.5 - 885 MHz	(a) See note "E" (b) See note "C"
		885 - 890 (a) Public Mobile Telecommunications Services 885 - 890 MHz (base receive) paired with 930-935 MHz	(a) See note "E"
890 - 925 FIXED MOBILE BROADCASTING Radiolocation		890 - 915 (a) Public Mobile Telecommunications Services 890 - 915 MHz (base receive) paired with 935 - 960 MHz	(a) See note "E"
		915 - 925 (a) Mobile 915 - 919.5 MHz (b) Telecommunications Apparatus [2] 919.5 - 920 MHz 920 - 925 MHz	(a) 50% of the frequency channels in the band are vacant. (b) See note "J"

[1] The band 806 - 890 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
925 - 960

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
925 - 942 FIXED MOBILE BROADCASTING Radiolocation	925 - 960 LAND MOBILE	925 - 930 (a) Government 927.5 - 930 MHz	(a) See note "C"
		930 - 935 (a) Public Mobile Telecommunications Services 930 - 935 MHz (base transmit) paired with 885 - 890 MHz	(a) See note "E"
		935 - 960 (a) Public Mobile Telecommunications Services 935 - 960 MHz (base transmit) paired with 890 - 915 MHz	(a) See note "E"
942 - 960 FIXED MOBILE BROADCASTING [1]			

[1] The band 942 - 960 MHz is also allocated to the mobile-satellite, except aeronautical mobile-satellite (R), service on a primary basis.

MHz
960 - 1260

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
<p>* 960 - 1164 AERONAUTICAL MOBILE (R) [1] AERONAUTICAL RADIONAVIGATION [2]</p>	<p>960 - 1087.7 AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION</p>	<p>960 - 1164 (a) Aeronautical radionavigation (b) Aeronautical mobile (c) Aeronautical mobile-satellite 1087.7 - 1092.3 MHz</p>	<p>(a) See note "C" (b)&(c) See note "B"</p>
	<p>1087.7 - 1092.3 AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION AERONAUTICAL MOBILE-SATELLITE (Earth-to-space)</p>		
	<p>1092.3 - 1164 AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION</p>		
<p>1164 - 1215 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) [3]</p>	<p>1164 - 1215 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space)</p>	<p>1164 - 1215 (a) Aeronautical radionavigation</p>	<p>(a) See note "C"</p>
<p>1215 - 1240 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) SPACE RESEARCH (active)</p>	<p>1215 - 1260 RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth)</p>	<p>1215 - 1260 (a) Radiolocation</p>	<p>(a) See note "B"</p>
<p>1240 - 1260 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) SPACE RESEARCH (active) Amateur</p>			

- [1] The use of the frequency band 960 - 1164 MHz by the aeronautical mobile (R) service is limited to systems that operate in accordance with recognised international aeronautical standards. Such use shall be in accordance with Resolution 417 (Rev.WRC-15) of the Radio Regulations.
- [3] Stations in the radionavigation-satellite service in the band 1164 - 1215 MHz shall operate in accordance with the provisions of Resolution 609 (Rev.WRC-07) of the Radio Regulations and shall not claim protection from stations in the aeronautical radionavigation service in the band 960 - 1215 MHz.

- [2] The frequency band 1087.7 - 1092.3 MHz is also allocated to the aeronautical mobile-satellite (R) (Earth-to-space) service on a primary basis, limited to the space station reception of Automatic Dependent Surveillance-Broadcast (ADS-B) emissions from aircraft transmitters that operate in accordance with recognised international aeronautical standards. Stations operating in the aeronautical mobile-satellite (R) service shall not claim protection from stations operating in the aeronautical radionavigation service. Resolution 425 (WRC-15) of the Radio Regulations shall apply.

MHz
1260 - 1400

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1260 - 1300 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) SPACE RESEARCH (active) Amateur [1]	1260 - 1300 RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth)	1260 - 1300 (a) Radiolocation	(a) See note "B"
1300 - 1350 AERONAUTICAL RADIONAVIGATION RADIOLOCATION RADIONAVIGATION-SATELLITE (Earth-to-space)	1300 - 1350 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space)	1300 - 1350 (a) Aeronautical radionavigation	(a) See note "C"
1350 - 1400 RADIOLOCATION	1350 - 1400 RADIOLOCATION	1350 - 1400 (a) Radiolocation	(a) See note "B"

[1] Amateur-satellite service may operate in the band 1260 - 1270 MHz subject to not causing harmful interference to other services operating in accordance with this Table. The use of the band 1260 - 1270 MHz by the amateur-satellite service is limited to Earth-to-space direction.

MHz
1400 - 1525

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1400 - 1427 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	1400 - 1427 ALL EMISSIONS PROHIBITED	1400 - 1427 (a) All emissions prohibited	(a) See note "A"
1427 - 1429 SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile	1427 - 1429 TO BE PLANNED	1427 - 1429	See note "I"
1429 - 1452 FIXED MOBILE	1429 - 1466 FIXED	1429 - 1525 (a) Fixed 1429 - 1466 MHz 1480 - 1518 MHz (b) Broadcasting and Mobile 1466 - 1480 MHz (c) Telecommunications Apparatus [3] 1518 - 1559 MHz	(a) 39% of the frequency channels in the band are vacant. (b) See note "K" (c) See note "J"
1452 - 1492 FIXED MOBILE BROADCASTING BROADCASTING-SATELLITE	1466 - 1480 BROADCASTING MOBILE		
1492 - 1518 FIXED MOBILE	1480 - 1518 FIXED		
1518 - 1525 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) [2]	1518 - 1525 FIXED MOBILE-SATELLITE (space-to-Earth)		

[1] All emissions in the band 1400 - 1427 MHz are prohibited.

[2] The use of the band 1518 - 1525 MHz by the mobile-satellite service is subject to coordination under No. 9.11A of the Radio Regulations. In the band 1518 - 1525 MHz, stations in the mobile-satellite service shall not claim protection from stations in the fixed service.

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
1525 - 1535

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1525 - 1530 SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Mobile	1525 - 1530 FIXED MOBILE-SATELLITE (space-to-Earth)	1525 - 1530 (a) Fixed (b) Telecommunications Apparatus [2] 1518 - 1559 MHz	(a) 28% of the frequency channels in the band are vacant. (b) See note "J"
1530 - 1535 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) [1] Earth exploration-satellite Fixed Mobile	1530 - 1535 MOBILE-SATELLITE (space-to-Earth)	1530 - 1535 (a) Telecommunications Apparatus [2] 1518 - 1559 MHz	(a) See note "J"

[1] Mobile-satellite systems shall not cause unacceptable interference to, or claim protection from, distress, urgency and safety communications of the Global Maritime Distress and Safety System (GMDSS).

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
1535 - 1613.8

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1535 - 1559 MOBILE-SATELLITE (space-to-Earth) [1]	1535 - 1559 MOBILE-SATELLITE (space-to-Earth)	1535 - 1559 (a) Telecommunications Apparatus [3] 1518 - 1559 MHz	(a) See note "J"
1559 - 1610 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space)	1559 - 1610 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)	1559 - 1610 (a) Radionavigation-satellite	(a) See note "B"
1610 - 1610.6 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Radiodetermination-satellite (Earth-to-space) [2]	1610 - 1613.8 MOBILE-SATELLITE (Earth-to-space)	1610 - 1613.8 (a) Telecommunications Apparatus [3] 1610 - 1660.5 MHz	(a) See note "J"
1610.6 - 1613.8 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION Radiodetermination-satellite (Earth-to-space) [2]			

[1] Mobile-satellite systems shall not cause unacceptable interference to, or claim protection from, distress, urgency and safety communications of the Global Maritime Distress and Safety System (GMDSS).

[2] The band 1610 - 1626.5 MHz is also allocated to the aeronautical mobile-satellite (R) service on a primary basis.

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
1613.8 - 1668

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1613.8 - 1626.5 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Mobile-satellite (space-to-Earth) Radiodetermination-satellite (Earth-to-space) [1]	1613.8 - 1626.5 MOBILE-SATELLITE (Earth-to-space) Mobile-satellite (space-to-Earth)	1613.8 - 1626.5 (a) Telecommunications Apparatus [3] 1613.8 - 1626.5 MHz 1610 - 1660.5 MHz	(a) See note "J"
1626.5 - 1660 MOBILE-SATELLITE (Earth-to-space) [2]	1626.5 - 1660.5 MOBILE-SATELLITE (Earth-to-space)	1626.5 - 1660.5 (a) Telecommunications Apparatus [3] 1610 - 1660.5 MHz	(a) See note "J"
1660 - 1660.5 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY			
1660.5 - 1668 RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	1660.5 - 1668 RADIO ASTRONOMY	1660.5 - 1668 (a) Radio astronomy	(a) See note "B"

[1] The band 1610 - 1626.5 MHz is also allocated to the aeronautical mobile-satellite (R) service on a primary basis.

[2] Use of the band 1645.5-1646.5 MHz by the mobile-satellite service is limited to distress and safety communications.

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
1668 - 1700

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1668 - 1668.4 MOBILE-SATELLITE (Earth-to-space) [1] RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	1668 - 1668.4 RADIO ASTRONOMY MOBILE-SATELLITE (Earth-to-space)	1668 - 1668.4 (a) Radio astronomy (b) Telecommunications Apparatus [2] 1668 - 1675 MHz	(a) See note "B" (b) See note "J"
1668.4 - 1670 METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) [1] RADIO ASTRONOMY	1668.4 - 1670 MOBILE-SATELLITE (Earth-to-space)	1668.4 - 1675 (a) Telecommunications Apparatus [2] 1668 - 1675 MHz	(a) See note "J"
1670 - 1675 METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (Earth-to-space) [1]	1670 - 1675 MOBILE-SATELLITE (Earth-to-space)		
1675 - 1690 METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	1675 - 1700 METEOROLOGICAL-SATELLITE (space-to-Earth)	1675 - 1700 (a) Meteorological-satellite	(a) See note "B"
1690 - 1700 METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth)			

[1] The use of the band 1668 -1675 MHz by the mobile-satellite service is subject to coordination under No. 9.11A of the Radio Regulations.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
1700 - 2110

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
1700 - 1710 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	1700 - 1710 METEOROLOGICAL-SATELLITE (space-to-Earth)	1700 - 1710 (a) Meteorological-satellite	(a) See note "B"
1710 - 1885 FIXED MOBILE [1]	1710 - 1980 FIXED MOBILE	1710 - 2110 (a) Public Mobile Telecommunications Services 1710 - 1785 MHz (base receive) paired with 1805 - 1880 MHz (b) Government 1785 - 1805 MHz (c) Telecommunications Apparatus [3] 1880 - 1900 MHz, 1980 - 2010 MHz (d) Public Mobile Telecommunications Services 1920.3 - 1979.7 MHz (base receive) paired with 2110.3 - 2169.7 MHz (e) Electronic News Gathering (ENG)/Outside Broadcast (OB) Links 2055 - 2095 MHz	(a) See note "E"
1885 - 1980 FIXED MOBILE [2]			(b) See note "C"
1980 - 2010 FIXED MOBILE [2] MOBILE-SATELLITE (Earth-to-space)	(c) See note "J"		
2010 - 2025 FIXED MOBILE [2]	(d) See note "E"		
2025 - 2110 SPACE OPERATION (Earth-to-space) (space-to-space) EARTH EXPLORATION-SATELLITE (Earth-to-space) (space-to-space) FIXED MOBILE SPACE RESEARCH (Earth-to-space) (space-to-space)	(e) See note "F"		
2010 - 2025 FIXED MOBILE [2]	2010 - 2110 FIXED MOBILE		25% of the frequency channels are vacant.

[1] ITU identified the band 1710 -1885 MHz, or portion of the band, for use by administrations wishing to implement International Mobile Telecommunications (IMT).

[2] The band 1885 - 2025 MHz is intended for use, on a worldwide basis, by administrations wishing to implement International Mobile Telecommunications (IMT).

[3] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
2110 - 2300

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
2110 - 2120 FIXED MOBILE [1] SPACE RESEARCH (deep space) (Earth-to-space)	2110 - 2170 FIXED MOBILE	2110 - 2170 (a) Public Mobile Telecommunications Services 2110.3 - 2169.7 MHz (base transmit) paired with 1920.3 - 1979.7 MHz	(a) See note "E"
2120 - 2160 FIXED MOBILE [1]			
2160 - 2170 FIXED MOBILE [1]			
2170 - 2200 FIXED MOBILE [1] MOBILE-SATELLITE (space-to-Earth)	2170 - 2200 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth)	2170 - 2200 (a) Telecommunications Apparatus [2]	(a) See note "J"
2200 - 2290 SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space) FIXED MOBILE SPACE RESEARCH (space-to-Earth) (space-to-space)	2200 - 2290 FIXED MOBILE	2200 - 2290 (a) Electronic News Gathering (ENG)/Outside Broadcast (OB) Links	(a) 33% of the frequency channels in the band are vacant.
2290 - 2300 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)	2290 - 2300 FIXED	2290 - 2300	See note "K"

[1] The band 2110 - 2200 MHz is intended for use, on a worldwide basis, by administrations wishing to implement International Mobile Telecommunications (IMT).

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
2300 - 2655

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
2300 - 2450 FIXED MOBILE [1] RADIOLOCATION Amateur [2][3]	2300 - 2400 FIXED MOBILE	2300 - 2400 (a) Broadband Wireless Access (BWA) 2300 - 2390 MHz	(a) See note "E"
2450 - 2483.5 FIXED MOBILE RADIOLOCATION [2]	2400 - 2483.5 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	2400 - 2483.5 (a) Industrial, Scientific and Medical (ISM) Equipment (b) Telecommunications Apparatus [4] (c) Amateur-satellite 2400 - 2450 MHz	(a) See note "B" (b) See note "J" (c) See note "B"
2483.5 - 2500 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) RADIOLOCATION RADIODETERMINATION-SATELLITE (space-to-Earth) [2]	2483.5 - 2500 MOBILE-SATELLITE (space-to-Earth)	2483.5 - 2500 (a) Mobile-satellite (b) Telecommunications Apparatus [4]	(a) See note "B" (b) See note "J"
2500 - 2520 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile [1] MOBILE-SATELLITE (space-to-Earth)	2500 - 2655 FIXED MOBILE	2500 - 2655 (a) Broadband Wireless Access (BWA) 2500 - 2570 MHz (base receive) paired with 2620 - 2690 MHz (b) Government 2575 - 2615 MHz	(a) See note "E" (b) See note "C"
2520 - 2535 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile [1] BROADCASTING-SATELLITE			
2535 - 2655 FIXED MOBILE except aeronautical mobile [1] BROADCASTING-SATELLITE			

[1] ITU identified the bands 2300 - 2400 MHz and 2500 - 2690 MHz, or portion of the bands, for use by administrations wishing to implement International Mobile Telecommunications (IMT).

[2] The band 2400 - 2500 MHz (centre frequency 2450 MHz) is also designated for industrial, scientific and medical (ISM) applications.

[3] Amateur-satellite service may operate in 2400 - 2450 MHz subject to not causing harmful interference to other services operating in accordance with this Table.

[4] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
2655 - 3300

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
2655 - 2670 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile [1] BROADCASTING-SATELLITE Earth exploration-satellite (passive) Radio astronomy Space research (passive)	2655 - 2690 FIXED MOBILE	2655 - 2690 (a) Broadband Wireless Access (BWA) 2620 - 2690 MHz (base transmit) paired with 2500 - 2570 MHz	(a) See note "E"
2670 - 2690 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile [1] MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (passive) Radio astronomy Space research (passive)			
2690 - 2700 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [2]	2690 - 2700 ALL EMISSIONS PROHIBITED	2690 - 2700 (a) All emissions prohibited	(a) See note "A"
2700 - 2900 AERONAUTICAL RADIONAVIGATION Radiolocation	2700 - 2900 AERONAUTICAL RADIONAVIGATION METEOROLOGICAL AIDS	2700 - 2900 (a) Meteorological aids	(a) See note "C"
2900 - 3100 RADIONAVIGATION RADIOLOCATION [3]	2900 - 3300 RADIOLOCATION	2900 - 3300 (a) Radiolocation	(a) See note "B"
3100 - 3300 RADIOLOCATION Earth exploration-satellite (active) Space research (active)			

[1] ITU identified the band 2500 - 2690 MHz, or portion of the band, for use by administrations wishing to implement International Mobile Telecommunications (IMT).

[2] All emissions in the band 2690 - 2700 MHz are prohibited.

[3] In the band 2900 -3100 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the radionavigation service.

MHz
3300 - 4800

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
3300 - 3400 RADIOLOCATION Amateur [1]	3300 - 3400 RADIOLOCATION MOBILE	3300 - 3400 (a) Radiolocation	(a) See note "B"
3400 - 3500 FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile Radiolocation [2]	3400 - 3700 FIXED-SATELLITE (space-to-Earth)	3400 - 3700 (a) Fixed-satellite	(a) See note "B"
3500 - 3700 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation			
3700 - 4200 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	3700 - 4200 FIXED FIXED-SATELLITE (space-to-Earth)	3700 - 4200 (a) Fixed-satellite	(a) See note "B"
* 4200 - 4400 AERONAUTICAL MOBILE (R) [3] AERONAUTICAL RADIONAVIGATION	4200 - 4400 AERONAUTICAL MOBILE AERONAUTICAL RADIONAVIGATION	4200 - 4400 (a) Aeronautical mobile (b) Aeronautical radionavigation (c) Short Range Device (Ultra-Wideband) 4200 - 4800 MHz	(a) See note "B" (b) See note "C" (c) See note "J"
4400 - 4500 FIXED MOBILE	4400 - 4500 FIXED	4400 - 4800 (a) Fixed # (b) Short Range Device (Ultra-Wideband) 4200 - 4800 MHz	(a) 55% of the frequency channels in the band 4400 - 4940 MHz are vacant. (b) See note "J"
4500 - 4800 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	4500 - 4800 FIXED FIXED-SATELLITE (space-to-Earth)		

[1] In China, the frequency band 3300 - 3400 MHz is also allocated to the fixed and mobile services on a primary basis.

[2] Amateur-satellite service may operate in 3400 - 3410 MHz subject to not causing harmful interference to other services operating in accordance with this Table.

[3] Use of the frequency band 4200 - 4400 MHz by stations in the aeronautical mobile (R) service is reserved exclusively for wireless avionics intra-communication systems that operate in accordance with recognised international aeronautical standards. Such use shall be in accordance with Resolution 424 (WRC-15) of the Radio Regulations.

MHz
4800 - 5250

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
4800 - 4990 FIXED MOBILE Radio astronomy	4800 - 4830 FIXED	4800 - 4940 (a) Fixed #	(a) 55% of the frequency channels in the band 4400 - 4940 MHz are vacant.
	4830 - 4990 FIXED MOBILE		
4990 - 5000 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive)	4990 - 5000 RADIO ASTRONOMY	4990 - 5150	See note "K"
5000 - 5010 AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space)	5000 - 5010 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space)		
5010 - 5030 AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)(space-to-space)	5010 - 5030 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)		
5030 - 5091 AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION	5030 - 5091 AERONAUTICAL RADIONAVIGATION		
* 5091 - 5150 FIXED-SATELLITE (Earth-to-space) [1] AERONAUTICAL MOBILE AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION	5091 - 5150 AERONAUTICAL RADIONAVIGATION		
5150 - 5250 AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile [2][3]	5150 - 5250 AERONAUTICAL RADIONAVIGATION MOBILE except aeronautical mobile		

[1] The allocation to the fixed-satellite (Earth-to-space) service is limited to feeder links of non-geostationary satellite systems in the mobile-satellite service.

[2] The use of the bands 5150 - 5350 MHz and 5470 - 5725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution 229 (Rev.WRC-12) of the Radio Regulations.

[3] In the band 5150 - 5250 MHz, stations in the mobile service shall not claim protection from earth stations in the fixed-satellite service.

[4] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
5250 - 5470

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
5250 - 5255 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH MOBILE except aeronautical mobile [1][2]	5250 - 5350 RADIOLOCATION MOBILE except aeronautical mobile	5250 - 5350 (a) Telecommunications Apparatus [4] 5150 - 5350 MHz	(a) See note "J"
5255 - 5350 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) MOBILE except aeronautical mobile [1][2]			
5350 - 5460 EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) AERONAUTICAL RADIONAVIGATION RADIOLOCATION [3]	5350 - 5470 AERONAUTICAL RADIONAVIGATION	5350 - 5470	See note "C"
5460 - 5470 RADIONAVIGATION EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION [3]			

[1] The use of the bands 5150 - 5350 MHz and 5470 - 5725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution 229 (Rev.WRC-12) of the Radio Regulations.

[2] In the band 5250 - 5350 MHz, stations in the mobile service shall not claim protection from the radiolocation, the Earth exploration-satellite (active) and the space research (active) service.

[3] In the band 5350 - 5470 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the aeronautical radionavigation service.

[4] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
5470 - 5850

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
5470 - 5570 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile [1] EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION	5470 - 5725 RADIOLOCATION MOBILE except aeronautical mobile	5470 - 5725 (a) Radiolocation (b) Amateur-satellite 5650 - 5670 MHz (c) Telecommunications Apparatus [5]	(a) See note "B" (b) See note "B" (c) See note "J"
5570 - 5650 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile [1] RADIOLOCATION			
5650 - 5725 RADIOLOCATION MOBILE except aeronautical mobile [1] Amateur [2] Space research (deep space) [3]			
5725 - 5830 RADIOLOCATION Amateur [3] [4]	5725 - 5850 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) MOBILE Amateur	5725 - 5850 (a) Industrial, Scientific and Medical (ISM) Equipment (b) Mobile (c) Amateur (d) Telecommunications Apparatus [5]	(a) See note "B" (b) See note "B" (c) See note "B" (d) See note "J"
5830 - 5850 RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) [3] [4]			

[1] The use of the bands 5150 - 5350 MHz and 5470 - 5725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution 229 (Rev.WRC-12) of the Radio Regulations.

[2] Amateur-satellite service may operate in 5650 - 5670 MHz subject to not causing harmful interference to other services operating in accordance with this Table. The use of the band 5650 - 5670 MHz by the amateur-satellite service is limited to Earth-to-space direction.

[3] In China, the frequency band 5650 - 5850 MHz is also allocated to the fixed and mobile services on a primary basis.

[4] The band 5725 - 5875 MHz (centre frequency 5800 MHz) is also designated for industrial, scientific and medical (ISM) applications.

[5] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

MHz
5850 - 7075

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
5850 - 5925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Radiolocation [1]	5850 - 5875 FIXED FIXED-SATELLITE (Earth-to-space) INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	5850 - 5875 (a) Fixed (b) Fixed-satellite	(a) See note "B" (b) See note "B"
		5875 - 7075 FIXED FIXED-SATELLITE (Earth-to-space)	5875 - 5950 (a) Fixed-satellite
5925 - 6700 FIXED FIXED-SATELLITE (Earth-to-space) [2][3] MOBILE		5950 - 6425 (a) Fixed-satellite (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "B" (b) See note "J"
		6425 - 7075 (a) Fixed # 6440 - 7100 MHz (b) Fixed-satellite (c) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "G" (b) See note "B" (c) See note "J"
6700 - 7075 FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) MOBILE			

[1] The band 5725 - 5875 MHz (centre frequency 5800 MHz) is also designated for industrial, scientific and medical (ISM) applications.

[2] In the band 5925 - 6425 MHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution 902 (WRC-03) of the Radio Regulations.

[3] In the band 5925 - 6425 MHz, earth stations located on board vessels and communicating with space stations of the fixed-satellite service may employ transmit antennas with minimum diameter of 1.2 m and operate without prior agreement of any administration if located at least 330 km away from the low-water mark as officially recognised by the coastal State. All other provisions of Resolution 902 (WRC-03) of the Radio Regulations shall apply.

MHz
7075 - 7250

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
7075 - 7145 FIXED MOBILE	7075 - 7250 FIXED MOBILE	7075 - 7250 (a) Fixed # 6440 - 7100 MHz (b) Outside Broadcast (OB) Links (c) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "G" (b) 71% of the frequency channels in the band 7100 - 7421 MHz are vacant. (c) See note "J"
7145 - 7190 FIXED MOBILE SPACE RESEARCH (Earth-to-space)			
* 7190 - 7235 EARTH EXPLORATION-SATELLITE (Earth-to-space) [1][2] FIXED MOBILE SPACE RESEARCH (Earth-to-space)			
* 7235 - 7250 EARTH EXPLORATION-SATELLITE (Earth-to-space) [1] FIXED MOBILE			

[1] The use of the band 7190 - 7250 MHz (Earth-to-space) by the earth-exploration satellite service shall be limited to tracking, telemetry and command for the operation of spacecraft. Space stations operating in the earth exploration-satellite (Earth-to-space) service in the band 7190 - 7250 MHz shall not claim protection from existing and future stations in the fixed and mobile services.

[2] Space stations on the geostationary orbit operating in the earth exploration-satellite (Earth-to-space) service in the band 7190 - 7235 MHz shall not claim protection from existing and future stations of the space research service.

MHz
7250 - 7900

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
7250 - 7300 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE [1]	7250 - 7375 FIXED MOBILE	7250 - 7421 (a) Outside Broadcast (OB) Links (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) 71% of the frequency channels in the band 7100 - 7421 MHz are vacant. (b) See note "J"
7300 - 7375 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile [1]			
* 7375 - 7450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth) [2]	7375 - 7750 FIXED MOBILE MARITIME MOBILE-SATELLITE (space-to-Earth)	7421 - 7722 (a) Fixed # (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "G" (b) See note "J"
* 7450 - 7550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) [3] MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth) [2]			
* 7550 - 7750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth) [2]			
7750 - 7900 FIXED METEOROLOGICAL-SATELLITE [4] (space-to-Earth) MOBILE except aeronautical mobile	7750 - 7900 FIXED	7722 - 7900 (a) Fixed (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) 16% of the frequency channels in the band are vacant. (b) See note "J"

- [1] The band 7250 - 7375 MHz is also allocated to the mobile-satellite (space-to-Earth) service on a primary basis.
- [2] The use of the band 7375 - 7750 MHz by the maritime mobile-satellite service is limited to geostationary-satellite networks. In this band, earth stations in the maritime mobile-satellite service shall not claim protection from, nor constrain the use and development of, stations in the fixed and mobile, except aeronautical mobile, services.

- [3] The use of the band 7450 - 7550 MHz by the meteorological-satellite (space-to-Earth) service is limited to geostationary satellite systems.
- [4] The use of the band 7750 - 7900 MHz by the meteorological-satellite (space-to-Earth) service is limited to non-geostationary satellite systems.

MHz
7900 - 8750

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS	
7900 - 8025 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE [1]	7900 - 8025 FIXED	7900 - 8025 (a) Fixed 7900 - 8000 MHz (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) 40% of the frequency channels in the band are vacant. (b) See note "J"	
8025 - 8175 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	8025 - 8400 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED	8025 - 8275 (a) Earth exploration-satellite (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz	(a) See note "B" (b) See note "J"	
8175 - 8215 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) MOBILE		8275 - 8400 (a) Earth exploration-satellite (b) Fixed # (c) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz		(a) See note "B" (b) See note "G" (c) See note "J"
8215 - 8400 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE		8400 - 8500 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth)		8400 - 8500 (a) Fixed # (b) Short Range Device (Ultra-Wideband) 6000 - 8500 MHz
8500 - 8550 RADIOLOCATION	8500 - 8750 RADIOLOCATION	8500 - 8750 (a) Radiolocation	(a) See note "B"	
8550 - 8650 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)				
8650 - 8750 RADIOLOCATION				

[1] The band 7900 - 8025 MHz is also allocated to the mobile-satellite (Earth-to-space) service on a primary basis.

MHz
8750 - 9800

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
8750 - 8850 RADIOLOCATION AERONAUTICAL RADIONAVIGATION	8750 - 8850 AERONAUTICAL RADIONAVIGATION	8750 - 8850	See note "C"
8850 - 9000 RADIOLOCATION MARITIME RADIONAVIGATION	8850 - 9000 MARITIME RADIONAVIGATION	8850 - 9000	See note "C"
9000 - 9200 AERONAUTICAL RADIONAVIGATION RADIOLOCATION	9000 - 9200 AERONAUTICAL RADIONAVIGATION RADIOLOCATION	9000 - 9200 (a) Government	(a) See note "C"
* 9200 - 9300 EARTH EXPLORATION-SATELLITE (active) [1] RADIOLOCATION MARITIME RADIONAVIGATION [2]	9200 - 9300 MARITIME RADIONAVIGATION	9200 - 9300	See note "C"
9300 - 9800 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active)	9300 - 9800 RADIOLOCATION RADIONAVIGATION	9300 - 9800 (a) Radiolocation (b) Radionavigation	(a) See note "B" (b) See note "C"

[1] The use of the band 9200 - 9300 MHz by the earth exploration-satellite (active) service is limited to systems requiring necessary bandwidth greater than 600 MHz that cannot be fully accommodated within the band 9300 - 9900 MHz. Stations operating in the earth exploration-satellite (active) service shall comply with Recommendations ITU-R RS.2065-0 and RS.2066-0.

[2] Stations in the earth exploration-satellite (active) service shall not cause harmful interference to, or claim protection from, stations of the maritime radionavigation and radiolocation services in the band 9200 - 9300 MHz.

MHz
9800 - 10450

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
9800 - 9900 RADIOLOCATION Earth exploration-satellite (active) Space research (active) Fixed	9800 - 10150 TO BE PLANNED	9800 - 10150	See note "I"
* 9900 - 10000 EARTH EXPLORATION-SATELLITE (active) [1] RADIOLOCATION Fixed [2][3]			
* 10000 - 10400 EARTH EXPLORATION-SATELLITE (active) [1] FIXED MOBILE RADIOLOCATION Amateur [2][3]			
	10150 - 10300 FIXED	10150 - 10300 (a) Fixed #	(a) 90% of the frequency channels in the band are vacant.
	10300 - 10450 TO BE PLANNED	10300 - 10450	See note "I"
10400 - 10450 FIXED MOBILE RADIOLOCATION Amateur			

[1] The use of the frequency bands 9900 - 10400 MHz by the earth exploration-satellite (active) service is limited to systems requiring necessary bandwidth greater than 600 MHz that cannot be fully accommodated within the frequency band 9300 - 9900 MHz. Stations operating in the earth exploration-satellite (active) service shall comply with Recommendations ITU-R RS.2065-0 and RS.2066-0.

[2] Stations in the earth exploration-satellite (active) service shall not cause harmful interference to, or claim protection from stations of the radionavigation and radiolocation services in the band 9900 - 10000 MHz and the radiolocation service in the band 10 - 10.4 GHz.

[3] The band 9975 - 10025 MHz is also allocated to the meteorological-satellite service on a secondary basis for use by weather radars.

GHz
10.45 - 12.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
10.45 - 10.5 RADIOLOCATION Amateur Amateur-satellite	10.45 - 10.5 RADIOLOCATION Amateur Amateur-satellite	10.45 - 10.5 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
10.5 - 10.55 FIXED MOBILE RADIOLOCATION	10.5 - 10.68 FIXED RADIOLOCATION	10.5 - 10.68 (a) Radiolocation (b) Fixed #	(a) See note "B" (b) 92% of the frequency channels in the band are vacant.
10.55 - 10.6 FIXED MOBILE except aeronautical mobile Radiolocation			
10.6 - 10.68 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation			
10.68 - 10.7 [1] EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)	10.68 - 10.7 ALL EMISSIONS PROHIBITED	10.68 - 10.7 (a) All emissions prohibited	(a) See note "A"
10.7 - 11.7 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	10.7 - 11.7 FIXED FIXED-SATELLITE (space-to-Earth)	10.7 - 11.7 (a) Fixed #	(a) 25% of the frequency channels in the band are vacant.
11.7 - 12.2 [2][3] FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE	11.7 - 12.2 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE	11.7 - 12.2 (a) Outside Broadcast (OB) Links	(a) See note "K"
12.2 - 12.5 [3] FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile BROADCASTING	12.2 - 12.5 FIXED-SATELLITE (space-to-Earth)	12.2 - 12.5 (a) Fixed-satellite	(a) See note "B"

[1] All emissions in the band 10.68 - 10.7 GHz are prohibited.

[2] The band 11.7 - 12.2 GHz is also allocated to the fixed-satellite (space-to-Earth) service on a primary basis, limited to non-geostationary systems.

[3] In the band 11.7 - 12.5 GHz, the fixed, fixed-satellite, mobile except aeronautical mobile, and broadcasting services, shall not cause harmful interference to, or claim protection from, broadcasting-satellite stations.

GHz
12.5 - 14

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
12.5 - 12.75 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile BROADCASTING-SATELLITE	12.5 - 12.75 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	12.5 - 13.25 (a) Fixed # (b) Outside Broadcast (OB) Links (c) Fixed-satellite	(a)&(b) 40% of the frequency channels in the band are vacant. (c) See note "B"
12.75 - 13.25 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Space research (deep space) (space-to-Earth)	12.75 - 13.25 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE		
13.25 - 13.4 EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION SPACE RESEARCH (active)	13.25 - 13.4 AERONAUTICAL RADIONAVIGATION	13.25 - 13.4	See note "C"
13.4 - 13.75 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH Standard frequency and time signal-satellite (Earth-to-space)	13.4 - 13.75 RADIOLOCATION	13.4 - 13.75	See note "K"
13.75 - 14 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Standard frequency and time signal-satellite (Earth-to-space) Space research Earth exploration-satellite	13.75 - 14 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION	13.75 - 14	See note "K"

GHz
14 - 14.47

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
14 - 14.25 FIXED-SATELLITE (Earth-to-space) [1] RADIONAVIGATION Mobile-satellite (Earth-to-space) Space research [2]	14 - 14.4 FIXED-SATELLITE (Earth-to-space) Mobile-satellite (Earth-to-space)	14 - 14.4 (a) Fixed-satellite (b) Mobile-satellite	(a)&(b) See note "B"
14.25 - 14.3 FIXED-SATELLITE (Earth-to-space) [1] RADIONAVIGATION Mobile-satellite (Earth-to-space) Space research [2]			
14.3 - 14.4 FIXED FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) Radionavigation-satellite [2]			
14.4 - 14.47 FIXED FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) Space research (space-to-Earth) [2]	14.4 - 14.47 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Mobile-satellite (Earth-to-space)	14.4 - 14.47 (a) Fixed # (b) Outside Broadcast (OB) Links (c) Mobile-satellite	(a)&(b) 46% of the frequency channels in the band 14.4 - 15.35 GHz are vacant. (c) See note "B"

[1] In the band 14 - 14.5 GHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution 902 (WRC-03) of the Radio Regulations.

[2] In the band 14 - 14.5 GHz, aircraft earth stations in the secondary aeronautical mobile-satellite service may also communicate with space stations in the fixed-satellite service.

GHz
14.47 - 15.7

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
14.47 - 14.5 FIXED FIXED-SATELLITE (Earth-to-space) [1] MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) Radio astronomy [2]	14.47 - 14.5 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Mobile-satellite (Earth-to-space)	14.47 - 14.5 (a) Fixed # (b) Outside Broadcast (OB) Links (c) Mobile-satellite	(a)&(b) 46% of the frequency channels in the band 14.4 - 15.35 GHz are vacant. (c) See note "B"
14.5 - 14.8 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Space research	14.5 - 14.8 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	14.5 - 15.35 (a) Fixed # (b) Outside Broadcast (OB) Links (c) Fixed-satellite 14.5 - 14.8 GHz	(a)&(b) 46% of the frequency channels in the band 14.4 - 15.35 GHz are vacant. (c) See note "B"
14.8 - 15.35 FIXED MOBILE Space research	14.8 - 15.35 FIXED MOBILE		
15.35 - 15.4 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [3]	15.35 - 15.4 ALL EMISSIONS PROHIBITED	15.35 - 15.4 (a) All emissions prohibited	(a) See note "A"
15.4 - 15.43 RADIOLOCATION AERONAUTICAL RADIONAVIGATION	15.4 - 15.7 AERONAUTICAL RADIONAVIGATION	15.4 - 15.7	See note "C"
15.43 - 15.63 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION AERONAUTICAL RADIONAVIGATION			
15.63 - 15.7 RADIOLOCATION AERONAUTICAL RADIONAVIGATION			

[1] In the band 14 - 14.5 GHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution 902 (WRC-03) of the Radio Regulations.

[3] All emissions in the band 15.35 - 15.4 GHz are prohibited.

[2] In the band 14 - 14.5 GHz, aircraft earth stations in the secondary aeronautical mobile-satellite service may also communicate with space stations in the fixed-satellite service.

GHz
15.7 - 18.4

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
15.7 - 16.6 RADIOLOCATION	15.7 - 17.3 RADIOLOCATION	15.7 - 17.3 (a) Radiolocation	(a) See note "B"
16.6 - 17.1 RADIOLOCATION Space research (deep space) (Earth-to-space)			
17.1 - 17.2 RADIOLOCATION			
17.2 - 17.3 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)			
17.3 - 17.7 FIXED-SATELLITE (Earth-to-space) Radiolocation	17.3 - 17.7 FIXED-SATELLITE (Earth-to-space)	17.3 - 17.7	See note "K"
17.7 - 18.1 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) MOBILE	17.7 - 18.4 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space)	17.7 - 18.4 (a) Fixed # 17.74125 - 18.12625 GHz (b) Fixed (Microwave Multipoint Distribution Systems (MMDS)) 18.14 - 18.74475 GHz	(a) 69% of the frequency channels in the band are vacant. (b) See note "E"
18.1 - 18.4 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) MOBILE [1]			

[1] The band 18.1 - 18.4 GHz is also allocated to the meteorological-satellite (space-to-Earth) service on a primary basis.

GHz
18.4 - 21.2

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
18.4 - 18.6 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	18.4 - 18.8 FIXED FIXED-SATELLITE (space-to-Earth)	18.4 - 18.8 (a) Fixed (Microwave Multipoint Distribution Systems (MMDS)) 18.14 - 18.74475 GHz	(a) See note "E"
18.6 - 18.8 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Space research (passive)			
18.8 - 19.3 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	18.8 - 19.3 FIXED FIXED-SATELLITE (space-to-Earth)	18.8 - 19.7 (a) Fixed # 18.75125 - 19.13625 GHz (b) Fixed-satellite (c) Fixed (Microwave Multipoint Distribution System (MMDS)) (d) Telecommunications Apparatus [2] 18.82 - 18.87 GHz	(a) 69% of the frequency channels in the band are vacant. (b) See note "B" (c) See note "K" (d) See note "J"
19.3 - 19.7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) MOBILE	19.3 - 19.7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space)		
19.7 - 20.1 FIXED-SATELLITE (space-to-Earth) [1] Mobile-satellite (space-to-Earth)	19.7 - 21.2 FIXED-SATELLITE (space-to-Earth)	19.7 - 21.2 (a) Fixed-satellite	(a) See note "B"
20.1 - 20.2 FIXED-SATELLITE (space-to-Earth) [1] MOBILE-SATELLITE (space-to-Earth)			
20.2 - 21.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth)			

[1] The operation of earth stations in motion communicating with the fixed-satellite service is subject to Resolution 156 (WRC-15) of the Radio Regulations.

[2] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

GHz
21.2 - 23.6

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
21.2 - 21.4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)	21.2 - 21.4 FIXED	21.2 - 23.6 (a) Fixed # 21.2 - 21.4 GHz, 22 - 23.6 GHz	(a) 44% of the frequency channels in the band are vacant.
21.4 - 22 FIXED MOBILE BROADCASTING-SATELLITE	21.4 - 22 BROADCASTING-SATELLITE		
22 - 22.21 FIXED MOBILE except aeronautical mobile	22 - 23.6 FIXED		
22.21 - 22.5 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE-RESEARCH (passive)			
22.5 - 22.55 FIXED MOBILE			
22.55 - 23.15 FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (Earth-to-space)			
23.15 - 23.55 FIXED INTER-SATELLITE MOBILE			
23.55 - 23.6 FIXED MOBILE			

GHz
23.6 - 24.75

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
23.6 - 24 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	23.6 - 24 ALL EMISSIONS PROHIBITED	23.6 - 24 (a) All emissions prohibited	(a) See note "A"
24 - 24.05 AMATEUR AMATEUR-SATELLITE [2]	24 - 24.05 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) Amateur	24 - 24.05 (a) Industrial, Scientific and Medical (ISM) Equipment (b) Amateur	(a)&(b) See note "B"
24.05 - 24.25 RADIOLOCATION Amateur Earth exploration-satellite (active) [2]	24.05 - 24.25 RADIOLOCATION INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) Amateur	24.05 - 24.25 (a) Industrial, Scientific and Medical (ISM) Equipment (b) Radiolocation (c) Amateur	(a),(b)&(c) See note "B"
24.25 - 24.45 RADIONAVIGATION FIXED MOBILE	24.25 - 24.65 RADIONAVIGATION FIXED MOBILE	24.25 - 24.75	See note "K"
24.45 - 24.65 FIXED INTER-SATELLITE MOBILE RADIONAVIGATION			
24.65 - 24.75 FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE			

[1] All emissions in the band 23.6 - 24 GHz are prohibited.

[2] The band 24 - 24.25 GHz (centre frequency 24.125 GHz) is also designated for industrial, scientific and medical (ISM) applications. Radiocommunications services operating within this band must accept harmful interference which may be caused by these applications.

GHz
24.75 - 28.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
24.75 - 25.25 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	24.75 - 25.25 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	24.75 - 28.35 (a) Large Scale Public Mobile Services 26.55 - 27.75 GHz	See note "E"
25.25 - 25.5 FIXED INTER-SATELLITE MOBILE Standard frequency and time signal-satellite (Earth-to-space)	25.25 - 27 FIXED MOBILE		
25.5 - 27 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (space-to-Earth) Standard frequency and time signal-satellite (Earth-to-space)			
27 - 27.5 FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE MOBILE	27 - 28.35 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE		
27.5 - 28.5 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE			
	28.35 - 28.5 FIXED-SATELLITE (Earth-to-space)	28.35 - 28.5	See note "K"

GHz
28.5 - 31.3

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS					
28.5 - 29.5 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Earth exploration-satellite (Earth-to-space)	28.5 - 29.1 FIXED-SATELLITE (Earth-to-space)	28.5 - 29.1	See note "K"					
	29.1 - 29.25 FIXED FIXED-SATELLITE (Earth-to-space)	29.1 - 29.25 (a) Local Wireless Fixed Telecommunications Network Services (LWFTNS)	(a) See note "K"					
	29.25 - 30 FIXED-SATELLITE (Earth-to-space)	29.25 - 30	See note "K"					
29.5 - 29.9 FIXED-SATELLITE (Earth-to-space) [1] Earth exploration-satellite (Earth-to-space) Mobile-satellite (Earth-to-space)	29.25 - 30 FIXED-SATELLITE (Earth-to-space)	29.25 - 30	See note "K"					
29.9 - 30 FIXED-SATELLITE (Earth-to-space) [1] MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space)				30 - 31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth)	30 - 31 FIXED-SATELLITE (Earth-to-space)	30 - 31	See note "K"	31 - 31.3 FIXED MOBILE Standard frequency and time signal-satellite (space-to-Earth) Space research
30 - 31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth)	30 - 31 FIXED-SATELLITE (Earth-to-space)	30 - 31	See note "K"					
31 - 31.3 FIXED MOBILE Standard frequency and time signal-satellite (space-to-Earth) Space research	31 - 31.3 FIXED	31 - 31.3 (a) Local Wireless Fixed Telecommunication Network Services (LWFTNS)	(a) See note "K"					

[1] The operation of earth stations in motion communicating with the fixed-satellite service is subject to Resolution 156 (WRC-15) of the Radio Regulations.

GHz
31.3 - 34.2

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
31.3 - 31.5 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	31.3 - 31.5 ALL EMISSIONS PROHIBITED	31.3 - 31.5 (a) All emissions prohibited	(a) See note "A"
31.5 - 31.8 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	31.5 - 33 TO BE PLANNED	31.5 - 33	See note "I"
31.8 - 32 FIXED RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth)			
32 - 32.3 FIXED RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth)			
32.3 - 33 FIXED INTER-SATELLITE RADIONAVIGATION			
33 - 33.4 FIXED RADIONAVIGATION	33 - 33.4 RADIONAVIGATION	33 - 33.4	See note "K"
33.4 - 34.2 RADIOLOCATION	33.4 - 34.2 RADIOLOCATION	33.4 - 34.2 (a) Radiolocation	(a) See note "B"

[1] All emissions in the band 31.3 - 31.5 GHz are prohibited.

GHz
34.2 - 38

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
34.2 - 34.7 RADIOLOCATION SPACE RESEARCH (deep space) (Earth-to-space)	34.2 - 35.2 RADIOLOCATION	34.2 - 35.2 (a) Radiolocation	(a) See note "B"
34.7 - 35.2 RADIOLOCATION Space research			
35.2 - 35.5 METEOROLOGICAL AIDS RADIOLOCATION	35.2 - 37 TO BE PLANNED	35.2 - 37	See note "I"
35.5 - 36 METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)			
36 - 37 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			
37 - 37.5 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth)	37 - 38 FIXED	37 - 38 (a) Fixed #	(a) 66% of the frequency channels in the band 37 - 39.5 GHz are vacant.
37.5 - 38 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) Earth exploration-satellite (space-to-Earth)			

GHz
38 - 42.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
38 - 39.5 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Earth exploration-satellite (space-to-Earth)	38 - 39.5 FIXED	38 - 39.5 (a) Fixed #	(a) 66% of the frequency channels in the band 37 - 39.5 GHz are vacant.
39.5 - 40 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite (space-to-Earth)	39.5 - 42.5 TO BE PLANNED	39.5 - 42.5	See note "I"
40 - 40.5 EARTH EXPLORATION-SATELLITE (Earth-to-space) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (Earth-to-space) Earth exploration-satellite (space-to-Earth)			
40.5 - 42.5 FIXED FIXED-SATELLITE (space-to-Earth) BROADCASTING BROADCASTING-SATELLITE Mobile			

GHz
42.5 - 54.25

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
42.5 - 43.5 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile RADIO ASTRONOMY	42.5 - 47 TO BE PLANNED	42.5 - 47	See note "I"
43.5 - 47 MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE			
47 - 47.2 AMATEUR AMATEUR-SATELLITE	47 - 47.2 AMATEUR AMATEUR-SATELLITE	47 - 47.2 (a) Amateur (b) Amateur-satellite	(a)&(b) See note "B"
47.2 - 50.2 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE [1]	47.2 - 50.2 TO BE PLANNED	47.2 - 50.2	See note "I"
50.2 - 50.4 EARTH EXPLORATION-SATELLITE (passive) SPACE-RESEARCH (passive) [2]	50.2 - 50.4 ALL EMISSIONS PROHIBITED	50.2 - 50.4 (a) All emissions prohibited	(a) See note "A"
50.4 - 51.4 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Mobile-satellite (Earth-to-space)	50.4 - 51.15 FIXED	50.4 - 51.15	See note "K"
51.4 - 52.6 FIXED MOBILE	51.15 - 52.6 TO BE PLANNED	51.15 - 52.6	See note "I"
52.6 - 54.25 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) [3]			
52.6 - 54.25 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) [3]	52.6 - 54.25 ALL EMISSIONS PROHIBITED	52.6 - 54.25 (a) All emissions prohibited	(a) See note "A"

[1] The band 48.94 - 49.04 GHz is also allocated to the radio astronomy service on a primary basis.

[2] All emissions in the band 50.2 - 50.4 GHz are prohibited.

[3] All emissions in the band 52.6 - 54.25 GHz are prohibited.

GHz
54.25 - 59

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
54.25 - 55.78 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE-RESEARCH (passive)	54.25 - 57 TO BE PLANNED	54.25 - 57	See note "I"
55.78 - 56.9 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive)			
56.9 - 57 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive)			
57 - 58.2 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive)	57 - 59 FIXED MOBILE	57 - 59 (a) 60 GHz Device 57 - 66 GHz	(a) See note "J"
58.2 - 59 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			

GHz
59 - 71

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
59 - 59.3 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE RADIOLOCATION SPACE RESEARCH (passive)	59 - 61 FIXED MOBILE	59 - 66 (a) 60 GHz Device 57 - 66 GHz (b) Industrial, Scientific and Medical (ISM) Equipment 61 - 61.5 GHz	(a) See note "J" (b) See note "B"
59.3 - 64 FIXED INTER-SATELLITE MOBILE RADIOLOCATION [1]	61 - 61.5 FIXED MOBILE RADIOLOCATION INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)		
64 - 65 FIXED INTER-SATELLITE MOBILE except aeronautical mobile	64 - 66 FIXED MOBILE except aeronautical mobile		
65 - 66 EARTH EXPLORATION-SATELLITE FIXED INTER-SATELLITE MOBILE except aeronautical mobile SPACE RESEARCH			
66 - 71 INTER-SATELLITE MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	66 - 71 TO BE PLANNED	66 - 71	See note "I"

[1] The band 61 - 61.5 GHz (centre frequency 61.25 GHz) is designated for industrial, scientific and medical (ISM) applications.

GHz
71 - 78

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
71 - 74 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)	71 - 76 TO BE PLANNED	71 - 76	See note "I"
74 - 75.5 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE BROADCASTING BROADCASTING-SATELLITE Space research (space-to-Earth)			
75.5 - 76 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE BROADCASTING BROADCASTING-SATELLITE Space research (space-to-Earth)			
76 - 77.5 RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth)	76 - 77.5 RADIOLOCATION Amateur Amateur-satellite	76 - 77.5 (a) 79 GHz Automotive Radar 77 - 81 GHz (b) Amateur (c) Amateur-satellite (d) Telecommunications Apparatus [1] 76 - 77 GHz	(a) See note "J" (b)&(c) See note "B" (d) See note "J"
* 77.5 - 78 AMATEUR AMATEUR-SATELLITE RADIOLOCATION [2] Radio astronomy Space research (space-to-Earth)	77.5 - 78 AMATEUR AMATEUR-SATELLITE RADIOLOCATION	77.5 - 78 (a) Amateur (b) Amateur-satellite (c) 79 GHz Automotive Radar 77 - 81 GHz	(a)&(b) See note "B" (c) See note "J"

[1] Details are given in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.

[2] The use of the band 77.5 - 78 GHz by the radiolocation service shall be limited to short-range radar for ground-based applications, including automotive radars. The technical characteristics of these radars are provided in the most recent version of Recommendation ITU-R M.2057. The provisions of No. 4.10 of the Radio Regulations do not apply.

GHz
78 - 86

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
78 - 79 RADIOLOCATION Amateur Amateur-satellite Radio astronomy Space research (space-to-Earth)	78 - 81 RADIOLOCATION Amateur Amateur-satellite	78 - 81 (a) 79 GHz Automotive Radar 77 - 81 GHz (b) Amateur (c) Amateur-satellite	(a) See note "J" (b)&(c) See note "B"
79 - 81 RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth)			
81 - 84 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY Space research (space-to-Earth)	81 - 86 TO BE PLANNED	81 - 86	See note "I"
84 - 86 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY			

GHz
86 - 102

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
86 - 92 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	86 - 92 ALL EMISSIONS PROHIBITED	86 - 92 (a) All emissions prohibited	(a) See note "A"
92 - 94 FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION	92 - 100 TO BE PLANNED	92 - 100	See note "I"
94 - 94.1 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) Radio astronomy			
94.1 - 95 FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION			
95 - 100 FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE			
100 - 102 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	100 - 102 ALL EMISSIONS PROHIBITED	100 - 102 (a) All emissions prohibited	(a) See note "A"

[1] All emissions in the bands 86 - 92 GHz and 100 - 102 GHz are prohibited.

GHz
102 - 114.25

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
102 - 105 FIXED MOBILE RADIO ASTRONOMY	102 - 109.5 TO BE PLANNED	102 - 109.5	See note "I"
105 - 109.5 FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive)			
109.5 - 111.8 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	109.5 - 111.8 ALL EMISSIONS PROHIBITED	109.5 - 111.8 (a) All emissions prohibited	(a) See note "A"
111.8 - 114.25 FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive)	111.8 - 114.25 TO BE PLANNED	111.8 - 114.25	See note "I"

[1] All emissions in the band 109.5 - 111.8 GHz are prohibited.

GHz
114.25 - 126

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
114.25 - 116 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	114.25 - 116 ALL EMISSIONS PROHIBITED	114.25 - 116 (a) All emissions prohibited	(a) See note "A"
116 - 119.98 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)	116 - 122 TO BE PLANNED	116 - 122	See note "I"
119.98 - 120.02 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)			
120.02 - 122.25 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive) [2]			
122.25 - 123 FIXED INTER-SATELLITE MOBILE Amateur [2]	122 - 123 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	122 - 123 (a) Industrial, Scientific and Medical (ISM) Equipment	(a) See note "B"
123 - 126 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) RADIONAVIGATION RADIONAVIGATION-SATELLITE Radio astronomy	123 - 126 TO BE PLANNED	123 - 126	See note "I"

[1] All emissions in the band 114.25 - 116 GHz are prohibited.

[2] The band 122 - 123 GHz (centre frequency 122.5 GHz) is designated for industrial, scientific and medical (ISM) applications.

GHz
126 - 148.5

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
126 - 130 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) RADIONAVIGATION RADIONAVIGATION-SATELLITE Radio astronomy	126 - 148.5 TO BE PLANNED	126 - 148.5	See note "I"
130 - 134 EARTH EXPLORATION-SATELLITE (active) FIXED INTER-SATELLITE MOBILE RADIO ASTRONOMY			
134 - 136 AMATEUR AMATEUR-SATELLITE Radio astronomy			
136 - 141 RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite			
141 - 148.5 FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION			

GHz
148.5 - 168

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
148.5 - 151.5 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	148.5 - 151.5 ALL EMISSIONS PROHIBITED	148.5 - 151.5 (a) All emissions prohibited	(a) See note "A"
151.5 - 155.5 FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION	151.5 - 164 TO BE PLANNED	151.5 - 164	See note "I"
155.5 - 158.5 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive)			
158.5 - 164 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)			
164 - 167 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	164 - 167 ALL EMISSIONS PROHIBITED	164 - 167 (a) All emissions prohibited	(a) See note "A"
167 - 168 FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE	167 - 168 TO BE PLANNED	167 - 168	See note "I"

[1] All emissions in the bands 148.5 - 151.5 GHz and 164 - 167 GHz are prohibited.

GHz
168 - 190

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
168 - 170 FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE	168 - 182 TO BE PLANNED	168 - 182	See note "I"
170 - 174.5 FIXED FIXED-SATELLITE (space-to-Earth) INTER-SATELLITE MOBILE			
174.5 - 174.8 FIXED INTER-SATELLITE MOBILE			
174.8 - 182 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)			
182 - 185 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	182 - 185 ALL EMISSIONS PROHIBITED	182 - 185 (a) All emissions prohibited	(a) See note "A"
185 - 190 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE SPACE RESEARCH (passive)	185 - 190 TO BE PLANNED	185 - 190	See note "I"

[1] All emissions in the bands 182 - 185 GHz are prohibited.

GHz
190 - 200

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
190 - 191.8 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) [1]	190 - 191.8 ALL EMISSIONS PROHIBITED	190 - 191.8 (a) All emissions prohibited	(a) See note "A"
191.8 - 200 FIXED INTER-SATELLITE MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	191.8 - 200 TO BE PLANNED	191.8 - 200	See note "I"

[1] All emissions in the bands 190 - 191.8 GHz are prohibited.

GHz
200 - 232

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
200 - 209 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	200 - 209 ALL EMISSIONS PROHIBITED	200 - 209 (a) All emissions prohibited	(a) See note "A"
209 - 217 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY	209 - 226 TO BE PLANNED	209 - 226	See note "I"
217 - 226 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive)			
226 - 231.5 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [1]	226 - 231.5 ALL EMISSIONS PROHIBITED	226 - 231.5 (a) All emissions prohibited	(a) See note "A"
231.5 - 232 FIXED MOBILE Radiolocation	231.5 - 232 TO BE PLANNED	231.5 - 232	See note "I"

[1] All emissions in the bands 200 - 209 GHz and 226 - 231.5 GHz are prohibited.

GHz
232 - 241

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
232 - 235 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation	232 - 241 TO BE PLANNED	232 - 241	See note "I"
235 - 238 EARTH EXPLORATION-SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) SPACE RESEARCH (passive)			
238 - 240 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE			
240 - 241 FIXED MOBILE RADIOLOCATION			

GHz
241 - 3000

REGION 3 ALLOCATION	HONG KONG ALLOCATION	BAND PLAN AND EXISTING UTILISATION	REMARKS
241 - 248 RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite [1]	241 - 244 TO BE PLANNED	241 - 244	See note "I"
	244 - 246 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM)	244 - 246 (a) Industrial, Scientific and Medical (ISM) Equipment	(a) See note "B"
	246 - 250 TO BE PLANNED	246 - 250	See note "I"
248 - 250 AMATEUR AMATEUR-SATELLITE Radio astronomy			
250 - 252 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) [2]	250 - 252 ALL EMISSIONS PROHIBITED	250 - 252 (a) All emissions prohibited	(a) See note "A"
252 - 265 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY RADIONAVIGATION RADIONAVIGATION-SATELLITE	252 - 3000 TO BE PLANNED	252 - 3000	See note "I"
265 - 275 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY			
275 - 3000 (Not allocated)			

[1] The band 244 - 246 GHz (centre frequency 245 GHz) is designated for industrial, scientific and medical (ISM) applications.

[2] All emissions in the bands 250 - 252 GHz are prohibited.

ANNEX I

REVISION OF

REGION 3 ALLOCATIONS

REGION 3 ALLOCATION REVISION

before WRC-15 decisions in force

after WRC-15 decisions in force

5275 - 5450 kHz

<p>5275 - 5450 FIXED MOBILE except aeronautical mobile</p>

<p>5275 - 5351.5 FIXED MOBILE except aeronautical mobile</p>
<p>5351.5 - 5366.5 FIXED MOBILE except aeronautical mobile Amateur</p>
<p>5366.5 - 5450 FIXED MOBILE except aeronautical mobile</p>

149.9 - 150.05 MHz

<p>149.9 - 150.05 MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION-SATELLITE</p>

<p>149.9 - 150.05 MOBILE-SATELLITE (Earth-to-space)</p>

156.8375 - 162.0125 MHz

<p>156.8375 - 161.9625 FIXED MOBILE</p>
<p>161.9625 - 161.9875 MARITIME MOBILE Aeronautical mobile (OR) Mobile-satellite (Earth-to-space)</p>
<p>161.9875 - 162.0125 FIXED MOBILE</p>

<p>156.8375 - 161.9375 FIXED MOBILE</p>
<p>161.9375 - 161.9625 FIXED MOBILE Maritime mobile-satellite (Earth-to-space)</p>
<p>161.9625 - 161.9875 MARITIME MOBILE Aeronautical mobile (OR) Mobile-satellite (Earth-to-space)</p>
<p>161.9875 - 162.0125 FIXED MOBILE Maritime mobile-satellite (Earth-to-space)</p>

399.9 - 400.05 MHz

<p>399.9 - 400.05 MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION-SATELLITE</p>

<p>399.9 - 400.05 MOBILE-SATELLITE (Earth-to-space)</p>

REGION 3 ALLOCATION REVISION

before WRC-15 decisions in force

after WRC-15 decisions in force

960 - 1164 MHz

<p>960 - 1164 AERONAUTICAL MOBILE (R) AERONAUTICAL RADIONAVIGATION</p>

<p>960 - 1164 AERONAUTICAL MOBILE (R) AERONAUTICAL RADIONAVIGATION Note Note: The band 1087.7 - 1092.3 MHz is also allocated to the aeronautical mobile-satellite (R) service (Earth-to-space) on a primary basis.</p>

4200 - 4400 MHz

<p>4200 - 4400 AERONAUTICAL RADIONAVIGATION</p>

<p>4200 - 4400 AERONAUTICAL MOBILE (R) AERONAUTICAL RADIONAVIGATION</p>

5091 - 5150 MHz

<p>5091 - 5150 AERONAUTICAL MOBILE AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION</p>

<p>5091 - 5150 FIXED-SATELLITE (Earth-to-space) AERONAUTICAL MOBILE AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION</p>

7145 - 7250 MHz

<p>7145 - 7235 FIXED MOBILE SPACE RESEARCH (Earth-to-space)</p>
<p>7235 - 7250 FIXED MOBILE</p>

<p>7145 - 7190 FIXED MOBILE SPACE RESEARCH (deep space) (Earth-to-space)</p>
<p>7190 - 7235 EARTH EXPLORATION-SATELLITE (Earth-to-space) FIXED MOBILE SPACE RESEARCH (Earth-to-space)</p>
<p>7235 - 7250 EARTH EXPLORATION-SATELLITE (Earth-to-space) FIXED MOBILE</p>

REGION 3 ALLOCATION REVISION

before WRC-15 decisions in force

after WRC-15 decisions in force

7300 - 7750 MHz

<p>7300 - 7450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile</p>
<p>7450 - 7550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile</p>
<p>7550 - 7750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile</p>

<p>7300 - 7375 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile</p>
<p>7375 - 7450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth)</p>
<p>7450 - 7550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth)</p>
<p>7550 - 7750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MARITIME MOBILE-SATELLITE (space-to-Earth)</p>

9200 - 9300 MHz

<p>9200 - 9300 RADIOLOCATION MARITIME RADIONAVIGATION</p>

<p>9200 - 9300 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION MARITIME RADIONAVIGATION</p>

REGION 3 ALLOCATION REVISION

before WRC-15 decisions in force

after WRC-15 decisions in force

9900 - 10000 MHz

<p>9900 - 10000 RADIOLOCATION Fixed</p>

<p>9900 - 10000 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION Fixed</p>

10 - 10.45 GHz

<p>10 - 10.45 FIXED MOBILE RADIOLOCATION Amateur</p>

<p>10 - 10.4 EARTH EXPLORATION-SATELLITE (active) FIXED MOBILE RADIOLOCATION Amateur</p>
<p>10.4 - 10.45 FIXED MOBILE RADIOLOCATION Amateur</p>

77.5 - 78 GHz

<p>77.5 - 78 AMATEUR AMATEUR-SATELLITE Radio astronomy Space research (space-to-Earth)</p>

<p>77.5 - 78 AMATEUR AMATEUR-SATELLITE RADIOLOCATION Radio astronomy Space research (space-to-Earth)</p>

ANNEX II

CHANNEL ARRANGEMENTS FOR

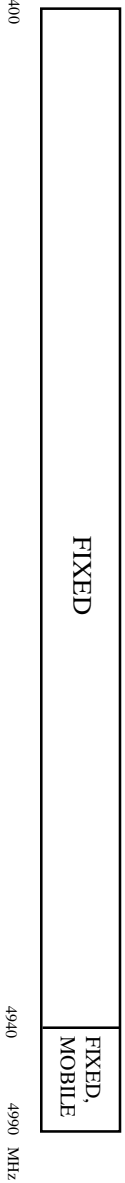
FIXED SERVICE

4.4 - 4.99 GHz

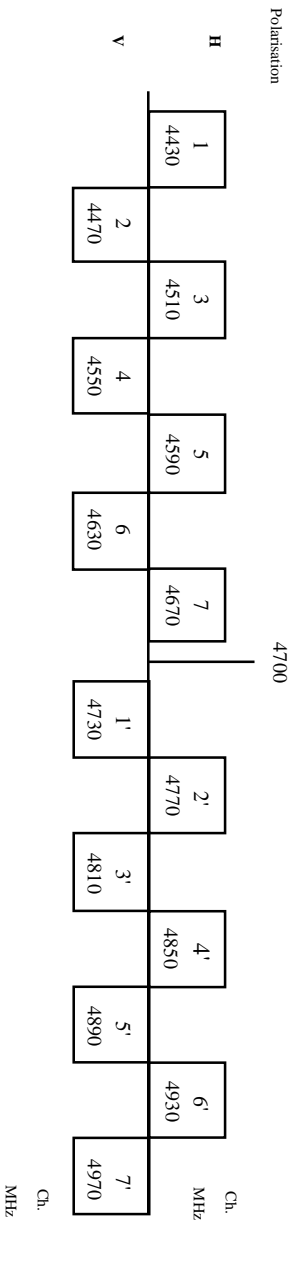
RR Allocation



HK Allocation



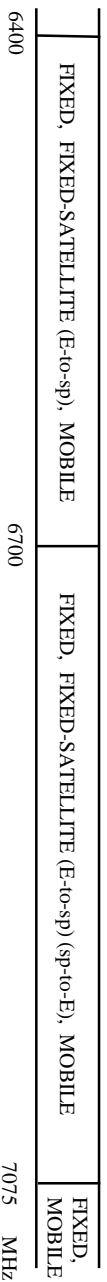
Channel Arrangement (ch. width 40 MHz)



6.4 - 7.1 GHz

(Rec. ITU-R F.384-11)

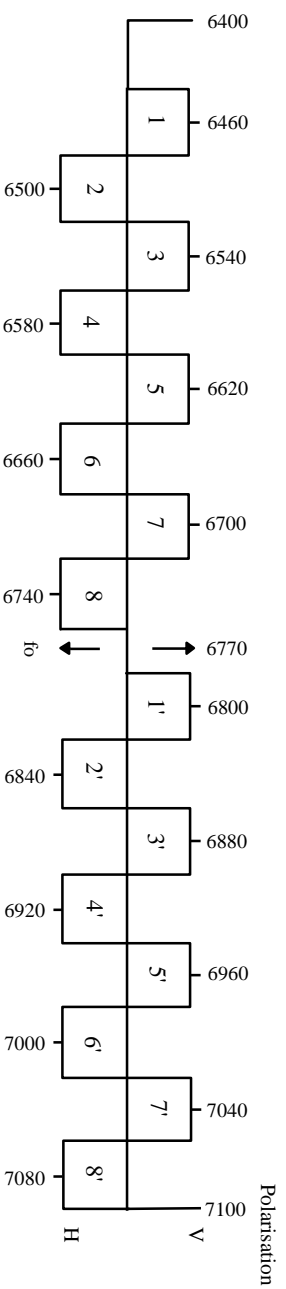
RR Allocation



HK Allocation



Channel Arrangement (ch. width 40 MHz)



7.42 - 7.75 GHz

(Rec. ITU-R F.385-10)

RR Allocation

FIXED, FIXED-SATELLITE (sp-to-E), MOBILE except aero, mobile	FIXED-SATELLITE (sp-to-E), MOBILE except aero, mobile, MARITIME MOBILE-SATELLITE (sp-to-E)	FIXED, FIXED-SAT. (sp-to-E), MET-SAT (sp-to-E), MOBILE except aero, mobile, MARITIME MOBILE-SATELLITE (sp-to-E)	FIXED, FIXED-SATELLITE (sp-to-E), MOBILE except aeronautical mobile
--------------------------------------------------------------------	--------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------

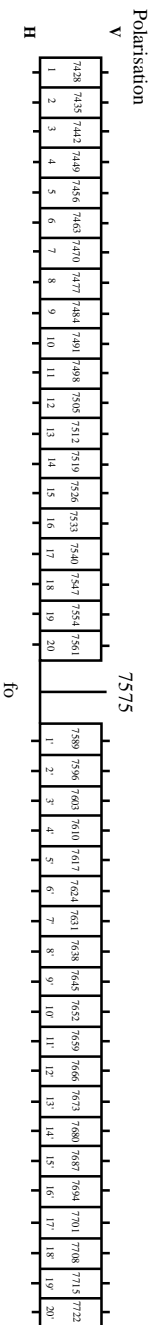
7300 7375 7450 7550 7750 MHz

HK Allocation

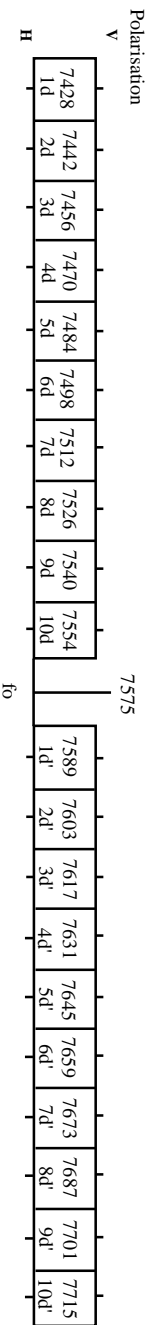
FIXED, MOBILE

7300 7750 MHz

Channel Arrangement (ch. width 7 MHz)



Channel Arrangement (ch. width 14 MHz)



8.275 - 8.500 GHz

RR Allocation

EARTH EXPLORATION-SATELLITE (sp-to-E) FIXED, FIXED-SATELLITE (E-to-sp), MOBILE	FIXED, MOBILE except aeronautical mobile, SPACE RESEARCH (sp-to-E)
-----------------------------------------------------------------------------------	-----------------------------------------------------------------------

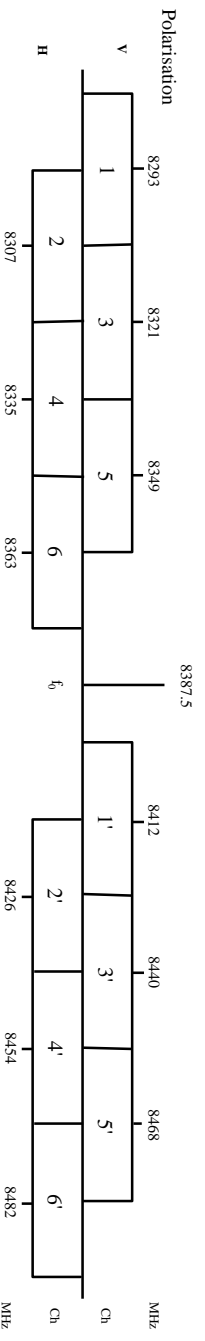
8275 8400 8500 MHz

HK Allocation

EARTH EXPLORATION-SATELLITE (sp-to-E), FIXED	FIXED
----------------------------------------------	-------

8275 8400 8500 MHz

Channel arrangement (ch. width 28 MHz)



10.15 - 10.3 GHz

RR Allocation



10.15

10.3 GHz

HK Allocation

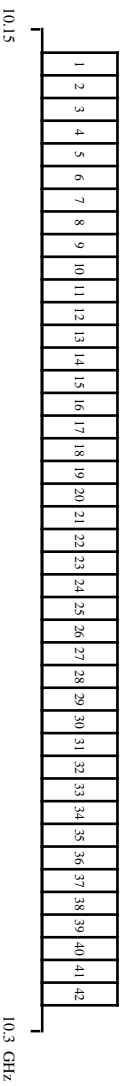


10.15

10.3 GHz

Paired Channels (CEPT/ERC Rec. 12-05E)

Channel Arrangement in Lower Block (ch. width 3.5 MHz)



10.5 - 10.68 GHz

RR Allocation

FIXED, MOBILE, RADIOLOCATION	FIXED, MOBILE except aero. mobile, Radiolocation	EARTH EXPLORATION-SATELLITE (passive), FIXED, MOBILE except aeronautical mobile, RADIO ASTRONOMY, SPACE RESEARCH (passive), Radiolocation
------------------------------	--------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------

10.5

10.55

10.6

10.68 GHz

HK Allocation



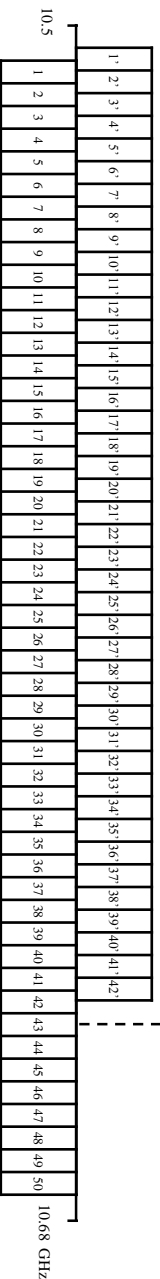
10.5

10.65

10.68 GHz

Paired Channels (CEPT/ERC Rec. 12-05E)

Channel Arrangement in Upper Block (ch. width 3.5 MHz)



Interleaved SFX Channels (Rec. ITU-R F.747-1)

Channel Arrangement (ch. width 3.5 MHz)

Paired Channels (CEPT/ERC Rec. 12-05E)
 $f_m = 10.14875 + 3.5n$ MHz
 $f_n = 10.49875 + 3.5n$ MHz
 $n = 1, 2, \dots, 42$

Interleaved SFX Channels (Rec. ITU-R F.747-1)
 $f_m = 10.5005 + 3.5m$ MHz
 $m = 1, 2, \dots, 50$

10.7 - 11.7 GHz

(Rec. ITU-R F.387-12)

RR Allocation

FIXED, FIXED-SATELLITE (sp-to-E), MOBILE except aeronautical mobile

10.7

11.7 GHz

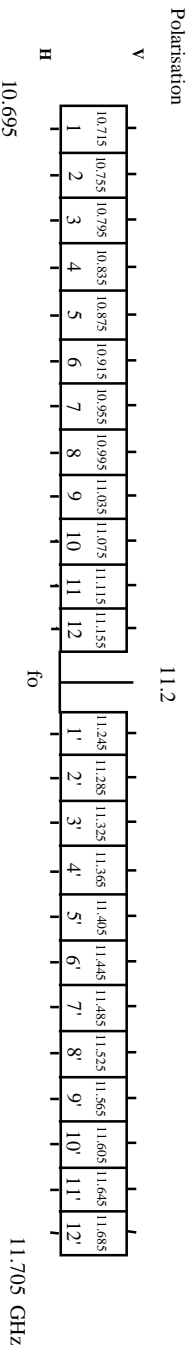
HK Allocation

FIXED, FIXED-SATELLITE (sp-to-E)

10.7

11.7 GHz

Channel Arrangement (ch. width 40 MHz)



12.75 - 13.25 GHz

(Rec. ITU-R F.497-7)

RR Allocation

FIXED, FIXED-SATELLITE (E-to-sp), MOBILE, Space research (deep space)(sp-to-E)

12.75

13.25 GHz

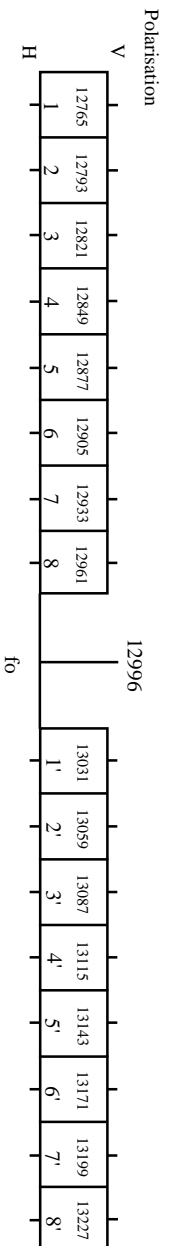
HK Allocation

FIXED, FIXED-SATELLITE (E-to-sp), MOBILE

12.75

13.25 GHz

Channel Arrangement (ch. width 28 MHz)



14.4 - 15.35 GHz

(Rec. ITU-R F.636-4)

RR Allocation

14.4	14.47	14.50	14.80	15.35 GHz
FIXED, FIXED-SAT. (E-to-sp), MOBILE except aeri, mobile, Mobile-satellite (E-to-sp), Space research (sp-to-E)	FIXED, FIXED-SAT. (E-to-sp), MOBILE except aeri, mobile, Mobile-satellite (E-to-sp), Radio astronomy	FIXED, FIXED-SATELLITE (E-to-sp), MOBILE, Space research	FIXED, MOBILE, Space research	

not to scale

HK Allocation

14.4	14.50	14.80	15.35 GHz
FIXED, FIXED-SATELLITE (E-to-sp), Mobile-satellite (E-to-sp)	FIXED, FIXED-SATELLITE (E-to-sp), MOBILE	FIXED, MOBILE	

Channel Arrangement (ch. width 28 MHz)

14.417	14.445	14.473	14.501	14.529	14.557	14.585	14.613	14.641	14.669	14.697	14.725	14.753	14.781	14.809	14.837	14.872	14.907	14.935	14.963	14.991	15.019	15.047	15.075	15.103	15.131	15.159	15.187	15.215	15.243	15.271	15.299	15.327
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'

15.341 GHz

17.7 - 19.7 GHz

(Rec. ITU-R F.595-10)

RR Allocation

17.7	18.4	18.6	18.8	19.3	19.7 GHz
FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp), MOBILE	FIXED, FIXED-SATELLITE (sp-to-E), MOBILE	EXPERIMENTATION-SATELLITE (sp-to-E), FIXED, FIXED-SATELLITE (sp-to-E), MOBILE except aeronautical mobile Space Research (aeri-sp)	FIXED, FIXED-SATELLITE (sp-to-E), MOBILE	FIXED, FIXED-SATELLITE (sp-to-E) SATELLITE (E-to-sp), MOBILE	

HK Allocation

17.7	18.4	19.3	19.7 GHz
FIXED, FIXED-SATELLITE (sp-to-E) (E-to-sp)	FIXED, FIXED-SATELLITE (sp-to-E)	FIXED, FIXED-SATELLITE (sp-to-E) SATELLITE (E-to-sp)	

Channel Arrangement (ch. width 27.5 MHz)

17.7550	17.7825	17.8100	17.8375	17.8650	17.8925	17.9200	17.9475	17.9750	18.0025	18.0300	18.0575	18.0850	18.1125	18.1400	18.1675	18.1950	18.2225	18.2500	18.2775	18.3050	18.3325	18.3600	18.3875	18.4150	18.4425	18.4700	18.4975	18.5250	18.5525	18.5800	18.6075	18.6350	18.6625	18.6900	18.7175	18.7450	18.7725	18.8000	18.8275	18.8550	18.8825	18.9100	18.9375	18.9650	18.9925	19.0200	19.0475	19.0750	19.1025	19.1300	19.1575	19.1850	19.2125	19.2400	19.2675	19.2950	19.3225	19.3500	19.3775	19.4050	19.4325	19.4600	19.4875	19.5150	19.5425	19.5700	19.5975	19.6250	19.6525	19.6800	19.7075	19.7350	19.7625	19.7900	19.8175	19.8450	19.8725	19.9000	19.9275	19.9550	19.9825	20.0100	20.0375	20.0650	20.0925	20.1200	20.1475	20.1750	20.2025	20.2300	20.2575	20.2850	20.3125	20.3400	20.3675	20.3950	20.4225	20.4500	20.4775	20.5050	20.5325	20.5600	20.5875	20.6150	20.6425	20.6700	20.6975	20.7250	20.7525	20.7800	20.8075	20.8350	20.8625	20.8900	20.9175	20.9450	20.9725	21.0000	21.0275	21.0550	21.0825	21.1100	21.1375	21.1650	21.1925	21.2200	21.2475	21.2750	21.3025	21.3300	21.3575	21.3850	21.4125	21.4400	21.4675	21.4950	21.5225	21.5500	21.5775	21.6050	21.6325	21.6600	21.6875	21.7150	21.7425	21.7700	21.7975	21.8250	21.8525	21.8800	21.9075	21.9350	21.9625	21.9900	22.0175	22.0450	22.0725	22.1000	22.1275	22.1550	22.1825	22.2100	22.2375	22.2650	22.2925	22.3200	22.3475	22.3750	22.4025	22.4300	22.4575	22.4850	22.5125	22.5400	22.5675	22.5950	22.6225	22.6500	22.6775	22.7050	22.7325	22.7600	22.7875	22.8150	22.8425	22.8700	22.8975	22.9250	22.9525	22.9800	23.0075	23.0350	23.0625	23.0900	23.1175	23.1450	23.1725	23.2000	23.2275	23.2550	23.2825	23.3100	23.3375	23.3650	23.3925	23.4200	23.4475	23.4750	23.5025	23.5300	23.5575	23.5850	23.6125	23.6400	23.6675	23.6950	23.7225	23.7500	23.7775	23.8050	23.8325	23.8600	23.8875	23.9150	23.9425	23.9700	24.0000	24.0300	24.0600	24.0900	24.1200	24.1500	24.1800	24.2100	24.2400	24.2700	24.3000	24.3300	24.3600	24.3900	24.4200	24.4500	24.4800	24.5100	24.5400	24.5700	24.6000	24.6300	24.6600	24.6900	24.7200	24.7500	24.7800	24.8100	24.8400	24.8700	24.9000	24.9300	24.9600	24.9900	25.0200	25.0500	25.0800	25.1100	25.1400	25.1700	25.2000	25.2300	25.2600	25.2900	25.3200	25.3500	25.3800	25.4100	25.4400	25.4700	25.5000	25.5300	25.5600	25.5900	25.6200	25.6500	25.6800	25.7100	25.7400	25.7700	25.8000	25.8300	25.8600	25.8900	25.9200	25.9500	25.9800	26.0100	26.0400	26.0700	26.1000	26.1300	26.1600	26.1900	26.2200	26.2500	26.2800	26.3100	26.3400	26.3700	26.4000	26.4300	26.4600	26.4900	26.5200	26.5500	26.5800	26.6100	26.6400	26.6700	26.7000	26.7300	26.7600	26.7900	26.8200	26.8500	26.8800	26.9100	26.9400	26.9700	27.0000	27.0300	27.0600	27.0900	27.1200	27.1500	27.1800	27.2100	27.2400	27.2700	27.3000	27.3300	27.3600	27.3900	27.4200	27.4500	27.4800	27.5100	27.5400	27.5700	27.6000	27.6300	27.6600	27.6900	27.7200	27.7500	27.7800	27.8100	27.8400	27.8700	27.9000	27.9300	27.9600	27.9900	28.0200	28.0500	28.0800	28.1100	28.1400	28.1700	28.2000	28.2300	28.2600	28.2900	28.3200	28.3500	28.3800	28.4100	28.4400	28.4700	28.5000	28.5300	28.5600	28.5900	28.6200	28.6500	28.6800	28.7100	28.7400	28.7700	28.8000	28.8300	28.8600	28.8900	28.9200	28.9500	28.9800	29.0100	29.0400	29.0700	29.1000	29.1300	29.1600	29.1900	29.2200	29.2500	29.2800	29.3100	29.3400	29.3700	29.4000	29.4300	29.4600	29.4900	29.5200	29.5500	29.5800	29.6100	29.6400	29.6700	29.7000	29.7300	29.7600	29.7900	29.8200	29.8500	29.8800	29.9100	29.9400	29.9700	30.0000
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21 - 23 GHz

(Rec. ITU-R F.637-4)

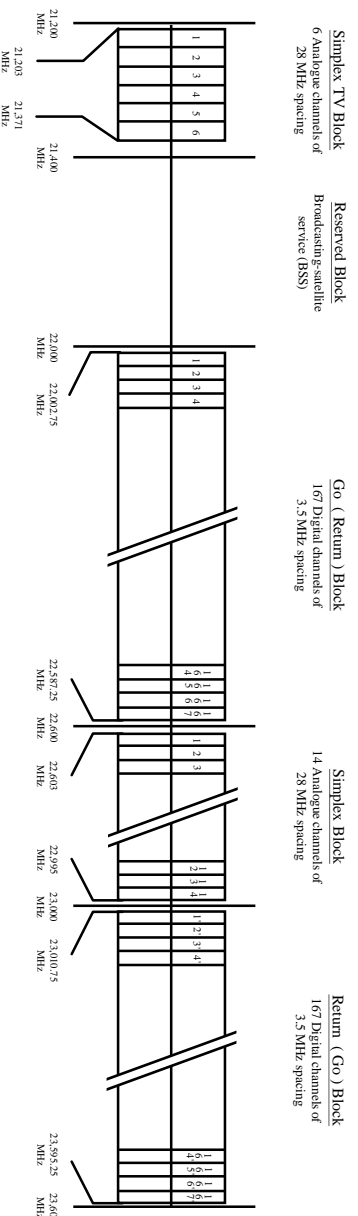
RR Allocation

21.2	21.4	22.0	22.21	22.5	22.55	23.15	23.55	23.6 GHz
EARTH EXPLORATION-SATELLITE (passive), FIXED, MOBILE, SPACE RESEARCH (passive)	FIXED, MOBILE, BROADCASTING-SATELLITE	FIXED, MOBILE (except aeronautical mobile)	EARTH EXPLORATION-SAT (passive), FIXED, MOBILE (except RADIOM ASTRONOMY, SPACE-RESEARCH (passive))	FIXED, MOBILE	FIXED, INTER-SATELLITE, MOBILE, SPACE RESEARCH (E-10-sp)	FIXED, INTER-SATELLITE, MOBILE	FIXED, MOBILE	

HK Allocation

FIXED	BROADCASTING-SATELLITE	FIXED
21.2	21.4	22.0
23.6 GHz		

Frequency Blocks



Annex II-6

Assignment of 3.5 MHz channels	$f_m = 22.001 + 3.5m$ (MHz) $m = 1, 2, 3, \dots, 167$	$f_m' = 23.009 + 3.5m$ (MHz) $m = 1, 2, 3, \dots, 167$	
Assignment of 7 MHz channels	$f_n = 22.004.5 + 7n$ (MHz) $n = 1, 2, 3, \dots, 83$	$f_n' = 23.012.5 + 7n$ (MHz) $n = 1, 2, 3, \dots, 83$	
Assignment of 14 MHz channels	$f_p = 22.001 + 14p$ (MHz) $p = 1, 2, 3, \dots, 41$	$f_p' = 23.009 + 14p$ (MHz) $p = 1, 2, 3, \dots, 41$	
Assignment of 28 MHz channels	$f_s = 21.189 + 28s$ $s = 1, 2, \dots, 6$	$f_t = 22.589 + 28t$ $t = 1, 2, \dots, 14$	$f_q' = 23.002 + 28q$ (MHz) $q = 1, 2, 3, \dots, 20$

38 GHz

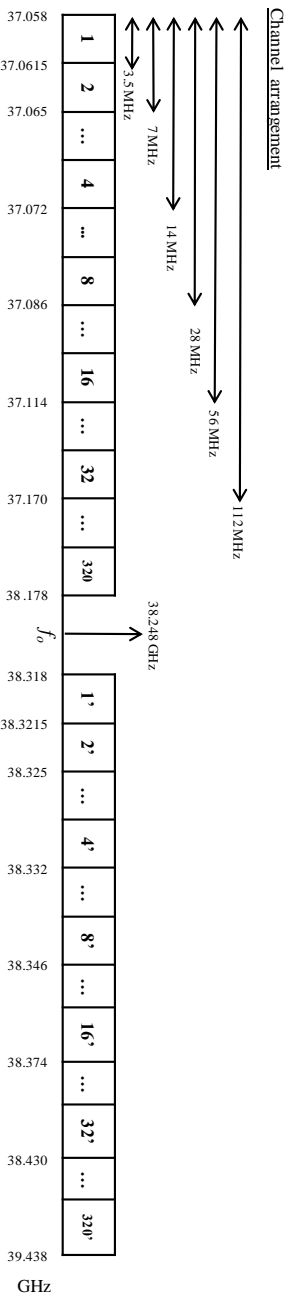
(Rec. ITU-R F.749-3)

RR Allocation

37	37.5	38	39.5 GHz
FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth)	FIXED SATELLITE (space-to-Earth) MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) Earth exploration-satellite (space-to-Earth)	FIXED SATELLITE (space-to-Earth) MOBILE Earth exploration-satellite (space-to-Earth)	

HK Allocation

37	37.5	38	39.5 GHz
<div style="border: 1px solid black; padding: 10px; display: inline-block;"> FIXED </div>			



Annex II-7

Centre Frequency (MHz)	
Assignment of 3.5 MHz channels	$f_n = f_o - 1191.75 + 3.5n$ where $n=1, 2, 3, \dots, 320$
Assignment of 7 MHz channels	$f_n = f_o - 1193.5 + 7n$ where $n=1, 2, 3, \dots, 160$
Assignment of 14 MHz channels	$f_n = f_o - 1197 + 14n$ where $n=1, 2, 3, \dots, 80$
Assignment of 28 MHz channels	$f_n = f_o - 1204 + 28n$ where $n=1, 2, 3, \dots, 40$
Assignment of 56 MHz channels	$f_n = f_o - 1218 + 56n$ where $n=1, 2, 3, \dots, 20$
Assignment of 112 MHz channels	$f_n = f_o - 1246 + 112n$ where $n=1, 2, 3, \dots, 10$
	$f'_n = f_o + 68.25 + 3.5n$ where $n=1, 2, 3, \dots, 320$
	$f'_n = f_o + 66.5 + 7n$ where $n=1, 2, 3, \dots, 160$
	$f'_n = f_o + 63 + 14n$ where $n=1, 2, 3, \dots, 80$
	$f'_n = f_o + 56 + 28n$ where $n=1, 2, 3, \dots, 40$
	$f'_n = f_o + 42 + 56n$ where $n=1, 2, 3, \dots, 20$
	$f'_n = f_o + 14 + 112n$ where $n=1, 2, 3, \dots, 10$

$$f_o = 38\,248$$